

testo 565i Intelligent Vacuum Pump

Introducing the latest evolution in vacuum pumps: the testo 565i. This innovative device offers fully automatic evacuation as part of the testo smart ecosystem, redefining efficiency and convenience.

- ✓ Auto-stop function when target vacuum reached
- ✓ Self-starting vacuum hold test
- ✓ A2L / A2 / A3 certified
- ✓ Links to testo smart manifolds and probes
- ✓ One app for everything: Configure, monitor and manage with the testo Smart App
- ✓ 30m Bluetooth



257102 Testo 565i 7cfm 240v Vacuum Pump 410.00

257202 Testo 565i 10cfm 240v Vacuum Pump 565.00

Refco COMBI condensate pump



The Refco COMBI is engineered for systems ranging from 1.75kW to 35kW. It features a digital water sensor, a universal voltage range, and a configurable flow rate, making the COMBI possibly the most powerful and quietest condensate pump available today.

- ✓ Diagnostic LEDs
- ✓ Guarantee period begins only after commissioning
- ✓ Digital Water Sensor for maximum reliability
- ✓ Swiss build quality

	Lift	Head	Flow	1-4	5+
256506 Combi	3 m	20m	42 l/h	100.24	90.22

Elco Fan Motors

Quality Elco fan motors with a wide range of mounting options.

Individual boxed to prevent wear & tear in the van



- ✓ 2 x base mount options set at 26mm & 19 mm
- ✓ 4 x extended casing bolts
- ✓ 3 x M4 bolt fixings front and back with blanking plugs

		1-9	10+
194305	5 w	13.72	12.35
194505	7 w	15.41	13.87
156205	10 w	15.30	13.77
194805	16 w	19.12	17.21
156405	18 w	19.36	17.42
156105	25 w	22.08	19.87
156305	34 w	23.34	21.01

P3



P6



P12



P17



P32



P40



P42



P64



P79



Remco Sole Official
UK Distribution partner



Useful Information



01273 455530



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Delivery is free on most orders over £75*
Carriage on orders under £75 is only £8.50
Next day before 12.00 pm is only £19.50**
* UK mainland excl Scottish highlands.

** Excluding pallets

For Scottish highlands & offshore islands
please check cost when ordering



Trade Counter:
Unit 4, Harbour Way,
Shoreham By Sea,
West Sussex BN43 5HG



Useful Information

All prices exclude vat. Prices are correct
at time of printing but may be subject to
change please check when ordering.
We also publish a regularly updated digital
version of this brochure on our web site.
Scan here for latest digital version.



All orders are subject to our standard
terms and conditions full details available
upon request. E & O E
Specifications may be subject to change by
manufacturers

Refrigerants

Refrigerant	Fill / Kg
92301 R134A	12 325.98
92401 R134A	60 1237.88
136601 R290	5 173.53
134301 R32	9 231.56
133901 R404A Virgin	9 379.36
134601 R404A Reclaimed	9 725.00
121701 R407C	11.5 355.60
134101 R407F Performax LT	11 556.46
109101 R410A	10 292.60
115201 R417A Isceon MO59	11.5 753.75
108901 R417A Isceon MO59	56 3291.23
127101 R422A Isceon MO79	10.5 819.00
127001 R422D Isceon MO29	11 929.15
94001 R437 Isceon MO49 plus	12 589.90
94101 R437 Isceon MO49 plus	58 2475.54
127201 R438A Isceon MO99	11.5 694.51
134001 R448A Solstice N40	10 480.91
133701 R449a Opteon XP40	10 477.12
133801 R452a Opteon XP44	10 709.80

Due to volatility of the market refrigerant prices may vary please check when ordering.

HC Refrigerants

HC refrigerants
and connectors



106001 R600 Refrigerant 420 g	13.25
126001 R290L Refrigerant 370g	16.76
164802 Bottle stand and valve	36.32
32406 Can connector valve	20.83
125102 scale & stand	65.65

Gas Bottle Connector

Cylinder connectors
bottle to 1/4" flare



84701 Bottle connector Brass Std	12.57
163806 R32 Bottle connector	21.06
84801 Washer for brass connector	0.69

Glycols

MonoPropylene is generally
considered to be food safe.

MonoEthylene is generally
used in industrial applications



91106 MonoPropylene MPG 25 lt	312.97
91206 MonoEthylene MEG 25 lt	169.00

Automotive PAG oils

PAG refrigerant oil as
used in automotive R134a
systems, 250 ml cans



50106 PAG ISO 46	10.58
40906 PAG ISO 100	10.58
50006 PAG ISO 150	9.50

Refrigerant Oils



Suniso mineral oils

14906 3GS ISO 32 4 lt	39.77
18306 4GS ISO 68 4 lt	42.78
18406 5GS ISO 100 4 lt	29.79

Emkarate Polyol Ester oils (POE)

126506 RL 22 H ISO 22 5 lt	123.37
126606 RL 32 H ISO 32 1 lt	23.35
35206 RL 32 H ISO 32 5 lt	145.57

Maneurop

107004 White 2 lt	160P	73.79
60306 Scroll 2 lt	160SZ	276.93
59006 Ester 2 lt	106PZ	160.68

Other

51906 Zeroil 5 lt	150TD	24.95
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Mistral Heat Load Calculation Software

Get access to the full suite
of industry leading heat load
calculation and equipment
balancing software for under
£19 per month. The annual
subscription includes ALL the
mistral calculation programs for
a Year including free updates
for up to 20 employees.



MISUB 1 Year Subscription	225.00
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Cylinder Rental

Cylinders are supplied on
6 months free loan and we
make no outright charge for
late return*. Deposit of £75
is payable by non account
customers.

*Please ask for full terms & conditions

Service Report Pads

HVAC report pads especially for the Refrigeration & Air conditioning trade. Helps you present a professional image and your customer to comply with the new F-Gas record keeping requirements.

Each pad has 50 2 part NCR serial numbered sheets

118906	Breakdown Report	14.33
119106	Installation Report	14.33
119006	Commissioning	14.76
119206	A/C Service Report	14.76
127906	Refrig Service Report	14.76
127506	Pipe Strength Joint	14.33
126806	Refrigerant Tracking	14.76
127806	Parts Request Form	14.33

F - Gas labelling

Our F Gas compliance pack is designed to help you and your customers comply with the FGAS labelling and leak testing requirements. Pack consists
20 x Oil Resistant system charge detail labels
30 x Oil Resistant system Leak tested labels
1 x Fine tip Indelible Marker pen

This unit contains fluorinated greenhouse gases
 Refrigerant
 Name / Recycled / Recharge: **R**
 GWP Potential: **1**
 Total Refrigerant Charge: **1** kg
 Equivalent CO₂ Weight: **1** tonnes

REFRIGERANT
 LEAK TEST COMPLETED
 DATE / COMPANY / INITIALS
SEEK: 100-000-0000-0000-0000



107806	F- Gas compliance pack	10.90
160302	Charge detail labels pack 25	4.95
160402	Leak tested labels pack 25	4.95

Refrigerant ID Labels



129106	pack 10 R22	8.56
129206	pack 10 R134	8.57
129506	pack 10 R404a	8.57
129406	pack 10 R410a	8.58
129306	pack 10 R407c	8.58
167406	pack 10 R407F	6.50
167206	pack 10 R448a / N40	6.50
167306	pack 10 R449a / XP40	6.50
167106	pack 10 R452a XP44	6.50

Hazard labels 100mm self adhesive

113906	Corrosive	0.75
114006	Non-Flammable	0.75
114106	Flammable	0.75

Copper Tube



Soft Copper in 15m coils	1-4	5+
43301 1/4 x 15m	33.28	23.30
43901 3/8 x 15m	58.68	41.08
44201 1/2 x 15m	80.16	56.11
44501 5/8 x 15m	113.46	79.42
44801 3/4 x 15m	152.03	106.42
45101 7/8 x 15m	178.59	125.01



Half Hard 3m Lengths	1-19	20+
92901 3/8 x 3m	12.04	8.43
45201 1/2 x 3m	18.26	12.78
45401 5/8 x 3m	23.20	16.24
45601 3/4 x 3m	30.76	21.53
45801 7/8 x 3m	42.91	30.04
46001 1 1/8 x 3m	56.01	39.21
46201 1 3/8 x 3m	75.69	52.98
46401 1 5/8 x 3m	89.98	62.99

Sizes can be mixed for qty break

Welding Rod



Copper to Copper Rod 1Kg packs

21302	Per rod	0.95
21302/1kg	1kg approx 48 rods	42.50



Silweld 2 (2% silver content) Copper - copper rod

137302	Silweld 2 1Kg pack	78.88
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Full range of welding materials on Page 70

Pre Insulated Flexible Refrigerant Lines



Made in the UK to the highest standards FlexFast thermoplastic refrigerant lines offer an excellent solution to applications where a flexible connection is needed. Suitable or most refrigerants including R410a Safe working pressure of 650 psi / 45 bar

Standard sizes

143406	FlexFast 1/4 x 3m	30.69
143806	FlexFast 3/8 x 3m	40.88
144206	FlexFast 1/2 x 3m	52.12
144606	FlexFast 5/8 x 3m	59.62

Custom Made Lines

FlexFast lines can be made up to almost any length with a wide range of fittings in one off or batch quantity's - call for details

Copper Tube & Insulation

Insulation

Kaiflex ST Insulation



15m rolls

9mm wall	1-9	10+
135601 1/4 x 15m roll	12.10	8.47
135701 3/8 x 15m roll	13.00	9.10
135801 1/2 x 15m roll	13.08	9.16
135901 5/8 x 15m roll	13.24	9.27
136101 3/4 x 15m roll	16.70	11.69
136201 7/8 x 15m roll	17.24	12.07
136301 1 1/8 x 15m roll	18.57	13.00

13mm wall

128601	1/4 x 15m roll	16.23	11.36
128701	3/8 x 15m roll	17.02	11.91
128801	1/2 x 15m roll	17.35	12.14
128901	5/8 x 15m roll	17.65	12.35
129001	3/4 x 15m roll	19.90	13.93
135401	7/8 x 15m roll	18.18	12.73
136401	1 1/8 x 15m roll	25.92	18.14

Armaflex Class O



15m rolls

9mm wall	1-9	10+
124101 1/4 x 15m roll	24.14	16.90
124201 3/8 x 15m roll	26.00	18.20
124301 1/2 x 15m roll	25.98	18.19
124401 5/8 x 15m roll	28.52	19.96

13mm wall

121801	1/4 x 15m roll	32.46	22.72
121901	3/8 x 15m roll	33.88	23.72
122001	1/2 x 15m roll	35.24	24.67
122101	5/8 x 15m roll	38.03	26.62
123901	3/4 x 15m roll	46.85	32.80

Armaflex Insulation Class O



13mm wall

123001	1/4 x 2m	6.56	3.28
88101	3/8 x 2m	6.88	3.44
87701	1/2 x 2m	3.91	1.96
87801	5/8 x 2m	6.94	3.47
87901	3/4 x 2m	8.07	4.04
88001	7/8 x 2m	8.70	4.35
90401	1 1/8 x 2m	11.24	5.62
90501	1 3/8 x 2m	11.23	5.62
90601	1 5/8 x 2m	7.56	3.78



83901	Armaflex glue & brush 250ml	21.98
78207	Foam Tape 30ft (9m)	9.08
136001	Kaiflex Tape 15m class O	17.08
106101	Armaflex Foam tape 15m	46.91
114506	Diversitech Cork Tape 30ft	15.80

Next day delivery FREE* on orders over £75

S R W

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Line Fittings

Copper Fittings

Straight Couplers



		1-19	20+
11801	1/4	1.06	0.95
11901	3/8	1.09	0.98
12001	1/2	1.08	0.97
12101	5/8	1.09	0.98
12201	3/4	1.08	0.97
12301	7/8	1.04	0.94
12401	1 1/8	2.12	1.91
12501	1 3/8	3.19	2.87

90° Short Radius Elbows



	size	1-19	20+
23401	1/4	2.10	1.89
23501	3/8	2.12	1.91
23601	1/2	2.12	1.91
23701	5/8	2.15	1.94
23801	3/4	3.44	3.10
23901	7/8	3.41	3.07
24001	1 1/8	4.56	4.10
24101	1 3/8	4.60	4.14

90° Long Radius Elbows



	size	1-19	20+
25901	1/4	3.17	2.85
26001	3/8	3.17	2.85
26101	1/2	3.42	3.08
26201	5/8	3.21	2.89
26301	3/4	3.44	3.10
26401	7/8	4.26	3.83
26501	1 1/8	8.51	7.66
26601	1 3/8	14.87	13.38

Copper Tees



		1-19	20+
30401	1/4	4.26	3.83
30601	3/8	5.31	4.78
30701	1/2	3.39	3.05
30801	5/8	1.40	1.26
30901	3/4	10.30	9.27
31001	7/8	8.50	7.65
31101	1 1/8	7.99	7.19
31201	1 3/8	17.16	15.44

Reducing Sockets Female / Female (pipe - pipe)



	Female / Female	1-19	20+
17001	1/4 x 1/8	3.00	2.70
17101	3/8 x 1/4	3.00	2.70
17201	1/2 x 3/8	1.00	0.90
17401	5/8 x 1/2	1.00	0.90
17701	3/4 x 5/8	2.99	2.69
18001	7/8 x 3/4	2.00	1.80
18101	7/8 x 5/8	2.00	1.80
18801	1 3/8 x 1 1/8	4.99	4.49

Flare Fittings

Flare Nuts



		1-19	20+
701	1/4	1.06	0.95
901	3/8	2.41	2.17
1001	1/2	3.64	3.28
1101	5/8	4.82	4.34
1201	3/4	12.71	11.44
1301	7/8	16.02	14.42

Reducing Flare Nuts

1701	1/4 to 3/8	7.00	6.30
1801	3/8 to 1/2	6.98	6.28

Flare Unions



		1-19	20+
4601	1/4	3.33	3.00
4701	3/8	3.63	3.27
4801	1/2	6.06	5.45
4901	5/8	8.22	7.40
5001	3/4	24.22	21.80

Reducing Unions



5101	3/8 flare	x	1/4 flare	5.00
5301	1/2 flare	x	1/4 flare	8.02
5401	1/2 flare	x	3/8 flare	8.02
5501	5/8 flare	x	1/2 flare	13.99

Half Unions Flare- MPT



3301	1/4 flare	x	1/8 mpt	5.01
3401	1/4 flare	x	1/4 mpt	3.43
3501	1/4 flare	x	3/8 mpt	3.00
4301	5/8 flare	x	3/4 mpt	10.31

Connectors



5701	1/4 flare	x	1/8 fpt	3.00
5801	1/4 flare	x	1/4 fpt	3.00
5901	1/4 flare	x	3/8 fpt	16.00

Fuseable Plugs



65401	1/8 mpt	75 °C	19.88
65501	1/4 mpt	75 °C	21.02
65601	3/8 mpt	75 °C	24.96

Reducing Sockets Male / Female (fitting - pipe)



	Male / Female	1-19	20+
13301	1/2 x 3/8	2.01	1.81
13401	1/2 x 1/4	2.01	1.81
13501	5/8 x 1/2	1.00	0.90
13601	5/8 x 3/8	1.00	0.90
13701	3/4 x 5/8	2.98	2.68
14101	7/8 x 5/8	2.00	1.80
14201	7/8 x 1/2	2.00	1.80
14301	1 1/8 x 7/8	8.27	7.44

Nylog Thread Sealant

An amazing compound for sealing refrigeration gaskets and threads.



The industries first and only "REFRIGERATION GRADE" gasket / thread sealant and assembly lubricant.

181302 Nylog 30ml thread sealant 9.78

Sight Glass



Sight Glasses Male / Male

63806	HMI 1MM2	1/4	10.86
63906	HMI 1MM3	3/8	11.92
84106	HMI 1MM4	1/2	13.36
84206	HMI 1MM5	5/8	13.99



Male / Female Models

119501	HMI 1FM2	1/4	10.07
64006	HMI 1FM3	3/8	22.50
119601	HMI 1FM4	1/2	11.68



Solder Models

68501	HMI 1TT2	1/4	15.22
121301	HMI 1TT3	3/8	13.00
121201	HMI 1TT4	1/2	19.04

Vibration Eliminators



59901	1/4	25.37
60001	3/8	28.99
60101	1/2	30.60
60201	5/8	36.62
60401	3/4	35.27
60501	7/8	33.20
60601	1 1/8	49.78
60701	1 3/8	78.22
60801	1 5/8	74.05

① Avoid Hot Work Permits



Lokring system for leak free no welding connections ideal for areas where hot works permits are required see page 73 for details

Sanhua Solenoid Valves



Flare	port		
145605	1/4	3 mm flare	21.52
145705	3/8	8 mm flare	23.96
145805	1/2	10 mm flare	38.43
145905	5/8	15 mm flare	45.21
Solder			
146105	1/4	3 mm solder	19.55
146205	3/8	8 mm solder	29.19
146305	1/2	10 mm solder	40.30
146405	5/8	15 mm solder	49.06

Sanhua Valve Coil



146705	240 vac with Din plug	17.31
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Saginomiya Solenoid Valves

High quality valves complete with coil and mounting bracket



price includes 240v coil		
38405	SEV-502 BXF 1/4 flare	36.90
38505	SEV-603 BXF 3/8 flare	40.70

Parker Solenoid Valves



Flare	port mm		
98105	1/4	3 flare	52.00
98205	3/8	8 flare	84.65
71505	1/2	10 flare	96.00
70105	5/8	15 flare	126.00

Solder			
98305	1/4	3 solder	63.00
81605	3/8	8 solder	93.00
98405	1/2	10 solder	96.00
98605	5/8	15 solder	145.00
98705	3/4	18 solder	208.00
98805	7/8	18 solder	259.00
98905	1 1/8	18 solder	280.00

Parker Valve Coils



110005	240 vac RT14	28.79
99005	110 vac RT14	21.00
71005	24 vac RT14	21.00

Solenoid valve testing magnets can be used to test or over-ride valve operation



96701	Standard	16.27
108201	Large - 18mm ø	16.27

Danfoss Expansion Valves



119205	R134	Int	TN2	67.81
119305	R134	Ext	TEN2	105.37
118405	R22	Int	TX2	82.37
118505	R22	Ext	TEX2	166.60
119005	R404	Int	TS2	67.81
119105	R404	Ext	TES2	105.37
150705	R407A/F	Int	T-2	67.81
150905	R407A/F	Ext	TE-2	107.42
124005	R407c	Int	TZ2	83.47
123905	R407c	Ext	TEZ2	105.37
150205	R448/449A	Int	T-2	67.81
150405	R448/449A	Ext	TE-2	107.42
117305	Capsule	0		26.15
117405	Capsule	1		26.15
117505	Capsule	2		26.15
117605	Capsule	3		26.15
117705	Capsule	4		26.90
117805	Capsule	5		31.16
117905	Capsule	6		34.39

Solder Models

117005	R134	TN2	Int	67.81
117105	R134	TEN2	Ext	107.42
134805	R404	TS2	Ext	67.81
124505	R404	TES2	Ext	107.42
150805	R407A/F	TE-2	Ext	105.37
150605	R407A/F	T-2	Int	67.81
150505	R448/449A	TE-2	Ext	105.37
150305	R448/449A	T-2	Int	67.81
125005	1/4	adaptor		24.82
125105	3/8	adaptor		28.41
124605	Capsule	1		26.90
124705	Capsule	2		26.90
124805	Capsule	3		26.90
124905	Capsule	4		26.90



146805	R134a	Int	Flare	43.14
146905	R134a	Ext	Flare	49.60
147205	R404A	Int	Flare	41.36
147305	R404A	Ext	Flare	60.91
148005	R407A/F	Int	Flare	57.00
148105	R407A/F	Ext	Flare	50.94

148805	Sanhua Capsule	0X	10.72
148905	Sanhua Capsule	0	10.72
149005	Sanhua Capsule	1	10.72
149105	Sanhua Capsule	2	10.72
149205	Sanhua Capsule	3	10.72
149305	Sanhua Capsule	4	10.72
149405	Sanhua Capsule	5	10.72
149505	Sanhua Capsule	6	10.72

Filter Driers



Flare Models

model	size	1-11	12+
152205	DMH-032F	1/4	7.60 6.46
152605	DMH-052F	1/4	10.73 9.12
153005	DMH-082F	1/4	13.30 11.30
152405	DMH-033F	3/8	10.40 8.84
152805	DMH-053F	3/8	11.08 9.42
153205	DMH-083F	3/8	13.98 11.88
153605	DMH-163F	3/8	15.36 13.06
154205	DMH-303F	3/8	27.40 23.29
153405	DMH-084F	1/2	14.62 12.43
153805	DMH-164F	1/2	14.89 12.66
154405	DMH-304F	1/2	27.74 23.58
154605	DMH-304F	1/2	0.00 0.00
154005	DMH-165F	5/8	17.09 14.53
154805	DMH-305F	5/8	28.95 24.61

Solder Models

model	size	1-11	12+
152305	DMH-032S	1/4	7.60 6.46
152705	DMH-052S	1/4	10.73 9.12
153105	DMH-082S	1/4	13.30 11.30
152505	DMH-033S	3/8	10.40 8.84
152905	DMH-053S	3/8	11.08 9.42
153305	DMH-083S	3/8	13.98 11.88
153705	DMH-163S	3/8	15.36 13.06
154305	DMH-303S	3/8	27.40 23.29
154505	DMH-084S	1/2	14.21 12.08
153905	DMH-164S	1/2	15.35 13.05
154705	DMH-304S	1/2	27.74 23.58
154105	DMH-165S	5/8	17.09 14.53
154905	DMH-305S	5/8	28.95 24.61
155005	DMH-306S	3/4	29.93 25.44
155105	DMH-307S	7/8	40.46 34.39
155205	DMH-309S	1-1/8	42.53 36.15

ALCO Suction Line Driers



Suction line filter burn out driers Solder

model	size	1-11	12+
127301	ASD 28 S3	3/8	37.62 31.22
127401	ASD 28 S4	1/2	37.62 31.22
127501	ASD 35 S5	5/8	40.41 33.54
127601	ASD 45 S6	3/4	70.01 58.11
127701	ASD 45 S7	7/8	90.00 74.70
127801	ASD 50 S9	1 1/8	54.56 45.28

Drier Cores



Standard size 48 cu cores

55801	Standard	28.02
55901	High Capacity	16.92

Eliwell ColdFace Control Panels



The Coldface from Eliwell is a fully featured digital control panel with a wide range of advanced functions that still remains very simple to setup. With lots of space inside the housing including a din rail for additional contactors etc it's also easy to wire up. Customers will love the large easy to read display.

- ✓ Intuitive user interface
- ✓ Highly configurable
- ✓ Dual high-visibility display
- ✓ IP65 cover
- ✓ Plenty of space for wiring and DIN rail modules

	1-2	3+
143905 EWRC 500 NT Coldface panel	128.00	115.20
144005 EWRC 500 NT Coldface panel with MCB	139.78	125.80
Version with Isolator, Real time clock and HACCP management		
144105 EWRC 500 NT Coldface panel with MCB & Real time clock	153.68	138.31

Carel MasterCella



A very stylish and effective control panel for controlling a wide range of small refrigeration systems either air or electric defrost. Controlling all aspects of compressor, fans, defrost, alarms and lights.

Supplied with 2 probes
Optional programmable 3rd probe e.g. product or condenser
5 relays

MD33D2EN00	Comp	Def	Fan	Aux1	Aux2	1-4	5+
108905	30A	16A	8A	8A	16A	193.11	164.14

Version with Isolator, Real time clock and HACCP management

MD33D5FB00	Comp	Def	Fan	Aux1	Aux2	1-4	5+
139505	30A	16A	8A	8A	2 hp	244.49	220.04

Pego 3ph Control Panels



Compact well made control panels in white IP65 case. With full digital defrost control and large 25mm display and mains isolator.

121005	3ph 8A off cycle	398.63
125605	3ph 8A electric	519.63

Pego ECP200 Expert

Compact control panel with built in circuit breaker.

Suitable for single phase systems up to 10A Allows full control of all aspects of compressor, fans, defrost, alarms and lights.

125305	ECP200 Expert	164.46
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Eliwell ID Next



Eliwell ID Next Series

	Fan Delay	alarm	probes inc	probes	relay	power	
151205 IDNext 902 none	-	V	no	10A	12 v	53.83	
151605 IDNext 902 none	-	V	no	10A	240	49.82	
151305 IDNext 961 Off Cycle	-	V	no	12A	12 v	55.84	
151705 IDNext 961 Off Cycle	-	V	no	12A	240	51.82	
151405 IDNext 971 Time / Temp	-	B	no	12A	12 v	57.84	
151805 IDNext 971 Time / Temp	-	B	no	12A	240	62.86	
151505 IDNext 974 Time / Temp	Y	B	no	12A	12 v	70.87	
151905 IDNext 974 Time / Temp	Y	B	no	12A	240	67.87	
152005 IDNext 978 Time / Temp	Y	B	no	12A	240	77.88	

Eliwell ID Plus



Eliwell ID Plus Series 12v

	Fan Delay	alarm	probes inc	probes	relay	power	
143405 ID Plus 902 none	-	V	1	no	8A	12v	48.75
142005 ID Plus 961 Off Cycle	-	V	1	no	12A	12v	44.89
141105 ID Plus 971 Time / Time	-	B	1	no	12A	12v	56.08
141205 ID Plus 974 Time / Temp	Y	B	2	no	12A	12v	59.16

Eliwell ID Plus Series 230v

	Fan Delay	alarm	probes inc	probes	relay	power	
143505 ID Plus 902 none	-	V	1	no	8A	230	40.80
142105 ID Plus 961 Off Cycle	-	V	1	no	12A	230v	48.81
141505 ID Plus 971 Time / Time	-	B	1	no	12A	230v	52.02
141605 ID Plus 974 Time / Temp	Y	B	2	no	12A	230v	65.08
142205 ID Plus 978 Time / Temp	Y	R	2	no	10A	230v	65.27

Eliwell IC Plus Series Thermostats

	Fan Delay	alarm	probes inc	probes	relay	power	
142805 IC Plus 902 single stage	-	-	-	-	NTC/PTC	12v	57.07
142905 IC Plus 902 single stage	-	-	-	-	NTC/PTC	240v	63.12
143005 IC Plus 915 2 stage / deadband	-	-	-	-	NTC/PTC	12v	72.36
143105 IC Plus 915 2 stage / deadband	-	-	-	-	NTC/PTC	240v	75.54

Dixell XR Controls



Dixell XR Series

	Fan Delay	alarm	probes inc	probes	relay	power	
130305 XR 10 CX Thermostat	-	Y	1	Y	20A	12v	47.80
130405 XR 10 CX Thermostat	-	Y	1	Y	20A	230v	48.93
123505 XR 20 CX Off Cycle	-	Y	1	Y	20A	12v	50.86
137205 XR 20 CX Off Cycle	-	Y	1	Y	20A	230v	52.85
142405 XR 30 CX Off Cycle	-	Y	1	Y	20A	12v	54.93
142305 XR 30 CX Off Cycle	-	Y	1	Y	20A	230v	53.61
114905 XR 40 CX Time / Temp	-	Y	2	Y	20A	12v	59.05
130605 XR 40 CX Time / Temp	-	Y	2	Y	20A	240v	63.10
115005 XR 60 CX Time / Temp	Y	Y	2	Y	8A	12v	59.00
130505 XR 60 CX Time / Temp	Y	Y	2	Y	8A	240v	62.80
137105 XR 60 CX Time / Temp	Y	Y	2	Y	15A	240v	71.27
126005 XR 80 CX Milk Tank	-	Y	1	Y	20A	12v	63.09
115105 XR 172C Slave	-	-	-	-	-	12v	91.18

Trapped Personnel Alarms

Pego trapped man alarm panel fitted with siren & flashing light plus remote output and battery backup and a luminous panic button



133605 ECP-APE alarm	199.31
750505 Panic Button only	59.47

The trapped personnel alarm kit allows personnel trapped inside the cold room to call for help by pressing an emergency button.



139405 Panel Complete	348.82
151005 Panic Button only	69.50

Dixell Control Panels

The Dixell XER control panel it's a new generation of controllers suited for every type of cold room, regardless of performances or dimensions with multiple probe and digital input options



	20A	Relays 16A	8A	Probe inputs	Digital inputs	
309005 XER140P	2	1	1	2	2	175.00
309105 XER160P	2	2	2	4	2	205.00
309205 XER261P	2	2	2	4	2	335.00

Dixell XW 'Wing' Controls



130805 XW10L	Off Cycle	-	Y	1	-	20A	240v	73.73
130905 XW20L	Off Cycle	-	Y	1	-	20A	240v	73.71
131005 XW40L	Time / Temp	-	Y	2	-	20A	240v	79.98
131105 XW60L	Time / Temp	Y	Y	2	-	20A	240v	90.75

Wing Adaptor Plate



143305 adaptor plate	8.85
143605 Rocker switch Red	3.20
143705 Rocker switch Green	3.20
143805 Rocker switch Yellow	3.20

Adaptor plate and cover to fit standard 32 x 74mm controls into 185mm wide (wing) control space. With cut-outs for 2 rocker switches

Weatherproof Fascia



Plexiglass cover to suit most standard 32 x 74 mm controls

143205 Control cover	10.94
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Transformers



Transformer all models

31005 LAE / Eliwell std	5.25
93005 24/12v trans	7.41

Quick Fit Pre Programmed Electronic Controllers

Pre programmed digital controls for service replacement of all common 32 x 74mm format controllers, or as original equipment.

Dixell X-Cool / X- Freeze

Stylish pre programmed controllers from Dixell with 20A compressor relays and a -40 to +99C range.



Supply: 230v
Probes: ntc

	Comp	Def	Fan	probes	1-4	5+
145305 X-Cool	230v	20A	-	-	1	23.96 20.37
145405 X-Freeze	230v	20A	8A	5A	2	32.09 27.28

Eliwell ID Universal Range

A range of excellent value basic controllers pre programmed for most typical applications.



Supply: 230v
Probes: ntc
IDCool: 3-15C
IDChill/ Freeze: -40 - 5C

Preprogrammed for quick and easy installation, they are ready to use straight out of the box.

	Comp	Def	Fan	probes	1-4	5+
123605 IDCool	230v	12A	-	-	1	25.77 23.19
123705 IDChill/Freeze	230v	12A	8A	5A	2	33.81 30.43

Easy Cool / Easy Freeze



Easy Cool - Off cycle defrost only comes with 1 probe
Pre programmed with +3 C set point and off cycle defrost.

Easy Freeze - For all defrost modes comes with 2 probes.
Pre programmed set point -18 °C and defrost by temperature.

	Comp	Def	Fan	probes	1-4	5+
139205 Easy Cool	230v	16 A	-	-	1 x NTC	40.31 33.46
139305 Easy Freeze	230v	16 A	8 A	8 A	2 x NTC	66.26 55.00

Dixell Universal - R Electronic Control

- ✓ Advanced multi purpose universal control
- ✓ Direct connection for either 12Vac/dc or 230Vac power supply
- ✓ Easy to programme in 3 Rapid Set-Up steps
- ✓ Can control twin evaporator defrost
- ✓ Includes dead band control (with or without defrost)
- ✓ Auto probe recognition NTC/PTC
- ✓ 2 x NTC probes supplied

Advanced multi purpose universal control to replace almost any standard refrigeration control. Incredibly easy to set up with pre programmed modes to suit almost all applications



103305 Dixell Universal-R controller	67.17
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2 Channel Wall Mount Control



Universal 2 channel wall mount control selectable for Cooling or Heating 240v supply (+RS485)

134705 AC1-2W 92.35

LAE BIT 25B Control



140505 LCD 5S Display 22.50

140605 BIT25B 1S3E-A 68.47

140705 FC06 cable 5.18

Replacement Probes



Eliwell

100805 NTC 1.5m 4.42

43205 PTC 1.5m 4.40

43305 PTC 3 m 6.35

30505 NI100 3m 13.01

43005 Eliwell PT100 3m 28.98

Dixell

129705 NTC 2m W/proof 5.79

Carel

139605 NTC-10k 1.5m 9.93

134605 NTC 10k 3 m 14.97

109305 NTC 1.5m IP68 11.84

Pego

109805 NTC probe 10.51

LAE

86505 2m probe 14.08

113705 SA1000-15M 15.16

125505 SN2K-20P2 NTC 14.49

Time Clocks



General purpose 16A time clock with change over contacts 24 Hr with 15 min segments

87905 Grasslin IHT 28.74



A general purpose compact un-cased 24hr time clock

80005 Grasslin FM/1 28.18

Universal T25 Replacement



A universal replacement timer for T25 series timers. Fully adjustable to give between 2- 6 defrosts per day of 10-35 min duration. The 'EDT' is the perfect solution to T25 replacement

87005 EDT20 240v 25.24

91605 EDT10 115v 23.25



Higher current rated version of the EDT capable of switching up to 20 a resistive load

104105 EDT21 30.97

Professional Non Contact Voltage tester



The superb testo 745 for fast initial checking of any suspected fault sources. Gives Audible & visual indication, complete with built in torch

188502 Testo 745 NCV tester 29.00

Isolators



Top quality IP56 lockable isolators, plenty of space inside and multiple entry's for easy installation. Ideal for a/c units etc,

1-4 5-9 10 +

112906 20A 3 pole 16.30 13.04 12.23

113006 20A 4 pole 24.30 19.44 18.23

121306 35A 4 pole 26.83 21.46 20.12

Mini Relays



Really useful general purpose relay Ideal for use with electronic controls to carry heavier loads 30A resistive 5A conductive rating

106406 5 A relay 7.68

Contactors



20606 20A 3 pole 20.30

57206 25A 3 pole 21.88

Defrost Termination Klixon's

Bi metallic klixon's for defrost termination fan delay etc.



Defrost termination close -3 °C open +10 °C

37405 klixon 14.65

Opposite switching open -3 °C close +10 °C

37505 klixon 14.65

Solid State Delay Timer



Solid state delay timer suitable for twin compressor systems etc. adjustable from 6 secs to 8 min

87205 Delay on make 14.96

158402 Delay on Break 15.02

Capacitors

A range of general purpose start and run capacitors at sensible prices

Run Capacitors

107804	2 uf	6.95
175504	2.5 uf	5.25
96504	3 uf	5.75
175604	4 uf	5.95
96804	5 uf	6.56
175704	6 uf	6.25
97104	10 uf	7.54
176804	15 uf	8.70
101704	20 uf	11.18
143904	25 uf	12.50
144004	30 uf	14.50
143604	35 uf	13.95
143704	45 uf	16.90
130304	50 uf	18.50
85006	55 uf	21.50
143804	60 uf	21.00

Start Capacitors

176504	43-53	8.75
101304	40 - 50 uf	11.46
134906	50 - 60 uf	13.50
183704	63 - 80 uf	15.53
175804	72 - 88 uf	17.69
175904	88 - 108 uf	16.43
182304	100 - 125 uf	22.56
172304	125 - 156 uf	23.79
176604	130 - 150 uf	19.50
101604	160 - 200 uf	25.62
182204	161 - 193 uf	21.00

Capacitor Tester

Digital capacitor tester.
Gives instant read out of capacitor value.
Range 0.01 to 10,000 MFD

75302	MFD 10	85.00
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Ranco Controls**OEM Pressure switches**

A range of fixed setting pressure switches all 1/4 flt with schrader depressor & 1500mm fly leads

Hp Models

139705	261 psi auto	18.19
139805	377 psi auto	18.29
139905	377 psi manual	20.10
140005	406 psi auto	18.29
140105	406 psi manual	20.10

Lp Models

140205	7 psi	18.29
140305	10 psi	18.29
140405	25 psi	18.29

Pressure Coupler

900 mm long 1/4fl both ends

	1-24	25+
25905	Coupler	5.78 4.34

As above with core depressor for connecting to access fittings

70707	Coupler	4.95 3.71
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Pressure Controls

		1-9	10+
67105	016-H6703	LP Switch	35.96 32.36
70605	016-H6705	LP Switch man	33.48 30.13
67205	016-H6750	HP Switch	34.00 30.60
71905	016-H6751	HP Switch man	38.74 34.87
67705	017-H4701	HP/LP Switch	65.06 58.55
80605	017-H4705	HP/LP man hp	70.24 63.22

Thermostats - Air Coil Models (fixed diff)

		1-9	10+
72105	016-H6901	-18 to +13 °C	35.30 31.77
68905	016-H6902	-5 to +25 °C	66.42 59.78
72205	016-H6903	+10 +40 °C	35.30 31.77

Thermostats - Cross Ambient Bulb Models

		1-9	10+
67405	016-H6980	-18 to +13 °C	45.88 41.29
67505	016-H6981	-5 to +25 °C	34.61 31.15
67605	016-H6930	-34 to +34 °C	39.34 35.41
67305	016-H6921*	-35 to -7 °C	49.31 44.38

Mounting Brackets all models

		1-9	10+
69305	FLAT MOUNTING PLATE	3.38	3.04
69405	ANGLE MOUNTING BKT.	4.60	4.14

FlexFast Pressure Lines

Flexfast ultra flexible hoses for pressure lines etc, 4 mm i.d..
Optional depressors available for use with schrader access ports

	1-4	5+
1/4 Flare straight connectors		
137106	500 mm 8.25	7.42
137206	1000 mm 10.36	9.32
137306	1500 mm 12.52	11.27

	1-4	5+
1 x 1/4 F straight 1 x 1/4 FI 90°		
137406	500 mm 12.12	10.91
137506	1000 mm 14.50	13.05
137606	1500 mm 16.85	15.16

schrader depressor to fit above

137706	Pack of 5	5.50
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Access tees

	1-4	5+
42401		
42201		

1/4 fl tees with access fitting

42401	access tee	5.19
42201	access tee	5.61

Universal Thermostat

A general purpose -30 to +30 °C thermostat with a fixed differential

57506	F2000	12.80
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Gomax Pressure Lines

Gomax Quadra ultra flexible hoses for pressure lines etc. 4 mm ID bore

1/4 Flare straight connectors

130506	500 mm	9.00
130606	1000 mm	13.02
130706	1500 mm	14.00

1 x 1/4 F straight 1 x 1/4 FI 90°

130806	500 mm	14.00
130906	1000 mm	18.00
131006	1500 mm	19.00

Domestic & Ice Maker Spares

Service Thermostat Kits

Application	Ranco Varifix		Danfoss Kit thermostats	
Compressor Fridge	15605 VC1	10.50	14905 Kit 1	26.59
Absorption Fridge	15705 VA2	9.22	15205 Kit 4	16.15
Freezer	15805 VF3	15.39	15305 Kit 5	27.50
Push Button Fridge	15905 VP4	11.50	15005 Kit 2	17.15
Freezer Act Signal	16005 VS5	12.11	15405 Kit 6	13.76
Freezer Pas Signal	16105 VR6	12.00	15505 Kit 7	35.48
Bottle Cooler	16205 VB7	10.50	45805 Kit 8	14.41
Fridge / Freezer	16405 VT9	12.30	15105 Kit 3	14.08
Change Over stat	84505 VTD9	11.60	48905 Kit 29	12.98
Fridge Freezer 3m cap	71405 VT93	13.50		
Larder Fridge	78405 VX0	9.40		

Line Tap Valves



Supco Multi Size Bullet Valves
BPV31 fits tube 1/4, 5/16 & 3/8
BPV21 fits tube 1/2 & 5/8

	1-11	12+
120701 1/4"	5.01	4.06

Control Valve

120801 valve	14.80
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Access Fittings



Access fitting with 1/4 Copper charging stub

	1-99	100+	200+
66201	2.34	1.61	1.32

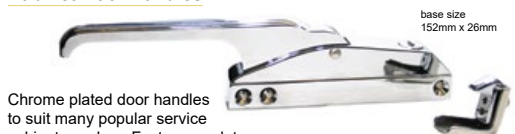


31707	1/4 flare-1/4 flare	4.21
31607	1/4 flare1/8-3/8 ods	3.18

① For a range of Solid State Compressor Electrics see p34



Cabinet Door Handles



Chrome plated door handles to suit many popular service cabinets such as Foster complete with latch and keys

Dixell Bulk Tank Controller



Combined digital compressor and agitator control plus alarm buzzer

126005 XR 80 CX 12v	63.09
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Replacement Evaporator Plates

All plates come complete with capillary lines.
Great for cabinet refurbishment.



EL1000 h 270 mm x w 356 mm

111806 EL1000	5.50
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EL2652 h 472mm x w 340mm

	1-4	5+
112406 EL2678	13.50	10.12

Submersible Water Pumps



High quality Ebara stainless steel Replacement water pumps for bulk milk tanks etc.

23706 Pump	202.75
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Adaptor kits to suit above pumps

24106 Fabdec/Fullwood	47.25
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Icematic Spares

Icematic Paddle Motor fits most N series models



	1	3-6	6+
63206	69.30	62.37	55.44

Icematic Tilt Pans



Complete tilt pan assemblies

89606	N20-N20L	57.50
134306	N25S	76.50
89706	N30-N35	77.88
89806	N40-45-50-55B1	86.61
105806	N55 -N65	123.68

Tilt pan spares



106706	Tilt Pan Arm	7.45
106806	Tilt Pan Pin Only	4.34



106906	Tilt Pan support	6.95
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107006	Tilt Pan support	7.46
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Icematic Paddle Supports and mixer blades fit most N series models

108605	support	3.95
108505	mixer blade	3.50



Icematic Bin Stat

N20-20L-30-40-50-55-65-N12S

108705	Bin stat	25.84
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Icematic Float Switch

N20-30-40-50-55-65-75-80-100

64306	float switch	33.30
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Scotsman Icemaker Spares

Water Pumps



55506 ACM35 MH40F 129.00



73406 ACM 25-85 MH30F1 99.00



17906 ACM125 MH50F 159.00



117206 ACM125 188.37



73506 ACM225 MH50 249.52



ACM35 Spray spares

107805 Spray nozzle 2.54

107905 Spray Jet 0.70

ACM Timers



108005 ACM85 99.40

108805 ACM125 86.56

109105 ACM 225 MC10-MC20 89.00



PCB Boards

107005 ACM 35 - 55 273.86

Sensors



Evap Sensor

107105 ACM 35-225 37.48

Sensors ACM 85 / 125

107505 Condenser 40.44

107605 Ambient 43.97



Ice Level Sensor

107205 Probe type 28.09



Ice Level Sensor

107705 magic eye 32.68



Evap Thermostats

63205 ACM 35 34.92

108105 ACM 85 27.50



Bin Thermostats

108405 ACM55-85-225 22.00

Ignis / Philips / Whirlpool Ice maker Spares

Cutter Grid



with integral drain fits **all models**

1-4 5-9 10+

11806 65.91 54.61 46.14

Bin Thermostat



75106 Bin Stat centre fix 21.68

Hot gas valve complete



104205 Valve complete 117.86



55906 on/off switch 13.96



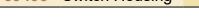
55806 wash switch 13.96



69206 Micro switch 19.17



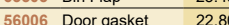
69306 Micro switch arm 16.00



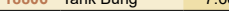
69406 Switch Housing 16.94



63505 Bin Flap 25.45



56006 Door gasket 22.80



18806 Tank Bung 7.60



63805 Transformer 85.00

Water pump



Fits all models Major / Maxi K20 K40 etc.

1-4 5-9 10+

11606 64.33 54.68 48.25

Evaporator Thermostat



Ice Thickness stat fits all models

1-4 5-9 10+

12606 21.45 18.49 13.94



Evap assemblies complete with hot gas valve (no coil)

108106 K20 Evaporator 296.72

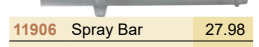
108206 K40 Evaporator 322.67



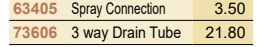
11906 Spray Bar 27.98



114306 Spray bar hose 27.98



63405 Spray Connection 3.50



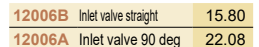
73606 3 way Drain Tube 21.80



12006B Inlet valve straight 15.80



12006A Inlet valve 90 deg 22.08



12006C Restrictor 2/3 lpm 3.07



12106 Water inlet hose 5.81



109606 Water inlet tube 9.70

Caravell Replacement



Replacement for some Caravell monoblock units

135705 RET4T18PNN001 61.54

Contardo HA Series



W26 fits all Contardo HA and SHA Range coolers
26 w motor with moulded plug

118205 W26 Motor 96.37

Contardo NDF / NCF motor



G25 25 w spider mounted motor fits: NDF-15 to NDF-58
NCF-19 to NCF-73
Also some ED/DF models

118105 G25 motor 142.82

Contardo G90 Replacement



G90 replacement fits NDF / etc 90 w motor standard fitment on Contardo: NDF-77 to NDF-190
NCF-87 to NCF-220
Also some ED/DF coolers

64706 35-4-90AG 123.64

Contardo HiTec Motor



HiTec External rotor axial fan motor as fitted on HC range Contardo coolers

62305 HiTec 236.17

96804 5uf capacitor 6.56

Craig Nichol



Replacement for Craig Nichol Ambassador cases

135805 33FS7-1 19.34

EBAC Dehumidifier Fan



Fan motors suitable for use on 'EBAC' and similar dehumidifiers 2 stud rear mount narrow casing

106305 33-4-4AF 44.37

ECO CTE Motors



Replacement motor to fit Eco CTE models

126305 CTE Motor 55.99

Electrolux Condensing Unit



Replacement fan motor for Electrolux S18/26/34 units

186006 Motor 46.58

Foster BTU Replacement



Replacement for motors such as fitted to BTU type coils
33 w 3 Stud rear mount
2550 rpm with fan hub

67805 Motor 76.50

Frigabon MUC/LUC Series



Replacement motor to fit Frigabon MUC models 45w

126405 MUC/LUC Motor 47.26

Husmann Replacement



Replacement for Husmann part number PE5889

135905 NUT6B09PUN203 21.27

Husmann Replacement



Replacement for Husmann part number PE6076

136005 NET3T18PVN003 43.07

Norpe Replacement



Replacement Norpe condenser motor

136205 33FS12-1 57.94

Replacement for Beermaster



Replacement motor suitable for Beermaster range

95706 BC Motor 84.98

Packaged Unit Fan Motor



Fan motors suitable for use on popular packaged coldroom units. 4 stud front mounted 15w ccw rotation with faston connectors

76706 33-4-15AFLS 61.44

18w Condenser Fan Motor



Suits **AS75**, **HAF 75** and many others 18w. 3.38" dia 3 stud front or guard mount with 5/16 shaft

118005 motor 69.88

79105 12" blade 18.25

125W Motors Suitable for Prestcold AS100-300

Replacement for Hubbard & Prestcold type units such as
AS100, HAF 100 AS150 units and B1, B2 condensers

4.8" dia motor with 1/2" shaft cradle or guard mounted.

33005 1 phase 151.24

33105 3 phase 137.87



79005 15" fan blade 42.99

96804 5uf capacitor 6.56

Replacement Qualitair Motor



35 w motor with 4 stud rear mount suitable as replacement condenser motor in popular Qualitair / Marstair units.

106705 1 ph Motor 126.00

Roller DLK 250mm Non EC


Standard motors for Roller DLK

76603 S2 E 250 189.00

Roller DLK 250 mm EC


88303 S2 EC 250 219.33

Roller DLK 300 mm EC


88703 S3G EC 300 D 332.75

Roller FHV non EC


76703 FHV 250 mm 189.00

76803 FHV 300 mm 234.00

Roller FHV 250 mm EC


88303 S2 EC 250 219.33

Roller FHV 300 mm EC


88403 S3G EC 300 S 332.75

Roller FHV 450 mm EC


88503 S3G EC 450 S 702.06

Russell RC129-2P


Replacement for Russell RC129-2P motor. 70w 5/16 shaft 4 stud rear mount 2 pole

136305 33TS-SO58 135.33

Russell RC429-4P


Replacement for Russell RC429-4P motor. 50w 5/16 shaft 4 stud rear mount 4 pole

136405 33FS-SO59 131.10

C6H range motor


Replacement motor suitable for C6H Range coolers 90w

126505 Motor 138.47

ECL Series 180W Motor


Replacement fan motor suitable for use on ECL180 coolers 180 w cradle mount 5/8" shaft ECL Series ECL 180

50705 1 phase 192.28

50805 3 phase 193.50

ECL Series 250W Motor


Replacement fan motor suitable for use on ECL series coolers 250 w 5/8" shaft, cradle or body mount

50905 1 phase 205.82

51005 3 phase 205.82

K Series & ECL 90W Motor


Replacement fan motor suitable for use on both K & ECL Series K Series K45 - K120 cradle ECL Series ECL 45 - 120 spider

50505 1 phase 125.82

50605 3 phase 114.15

KM Series


Replacement fan motor suitable for use on KM series coolers 200 w 12mm shaft 1 phase

136805 63FS200-1 212.25

KS series 70w Fan Motor


Replacement motor suitable for KS series cooler

129205 KS series motor 88.12

138205 Blade to suit 86.90

SUZ series Fan Motors


Replacement motor for all SUZ series coolers 7w 2 Stud rear mount 2550 rpm

32805 Motor 57.39

96705 Blade 14.55

T Series Fan Motor


Replacement motor for T series coolers T1-T6 15w 2 Stud rear mount 1350 rpm

50205 Motor 52.73

50205blade Fan blade 22.97

UCL Fan Motor


Replacement fan motor to suit UCL 35-180 series coolers. 35w 3 Stud rear mount 2550 rpm 5/16 shaft

50405 Motor 102.29

38906 Blade 19.99

Univap AC / TC Motor


Replacement motor for Univap ACH, ACM, TCH & TCM series

126605 AC /TC Motor 65.78

Univap TDM Motor


Replacement motor for Univap TDM evaporators series

160206 Univap TDM 85.18

Fan Motors

Elco Fan Motors

Elco Multi-Fit fan motors - with a wide range of fitting options and packed in individual boxes to prevent wear & tear in the service van

		1-9	10+
194305	5w	13.72	12.35
194505	7w	15.41	13.87
156205	10w	15.30	13.77
194805	16w	19.12	17.21
156405	18w	19.36	17.42
156105	25w	22.08	19.87
156305	34w	23.34	21.01



Energy Efficient Boss mount



Replacement for standard models blades up to 230 mm dia

136505	EBA12150NC0027	89.35
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Energy Efficient D / Hex shaft



Can be used with D shaft or hex mount blades up to 230 mm dia

136605	EBA12150NN0029	82.16
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Pump House Fan Motors

Pump House Multi-Fit fan motors - with a wide range of fitting options and packed in individual boxes to prevent wear & tear in the service van

		1-11	12+
163906	5 w	13.49	12.14
164006	7w	16.13	14.52
164106	10w	16.46	14.81
164206	16w	18.55	16.70
164306	18w	20.01	18.01
164406	25w	24.77	22.29
164506	34w	27.01	24.31



Universal 7w Fan Motor

7w round 3.38" dia motors with 3 stud rear & single base stud mounting



105	Condenser Model	57.42
205	Evaporator Model	69.95

Aspen Fan Speed Controls



Fan speed controls for Condensing units & air conditioners.

101905	cooling only	56.90
103905	heat pump	60.99

Ball Bearing Multi Fit Motors

Multi-Fit fan motors fitted with ball bearings to provide longer life and smother running- with a multiple fittings and packed in individual boxes.

		1-9	10+
145106	7w	19.17	17.25
147306	10w	18.46	16.61
145206	16w	19.18	17.26
145306	18w	22.83	20.55
145406	25w	26.53	23.88
145506	34w	28.02	25.22



Universal Frost Free Motors



Universal replacement fan motor for nearly all frost free applications Only one motor to carry

24606	SM998 240v	21.76
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Open Wound Fan Motors



SM 672 Universal open wound motor kit: 5/8" stack motor with:

- 3/16" x 1 1/4" shaft
- 4" CW fan blade
- 5 1/2" CCW fan blade
- multiple fixing

87405	SM 672	22.35
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Ring Mounted Fan Motors

Ring mounted sucker fan assemblies (air drawn over motor)

Size shown is **blade** diameter.

	Blade	w	
76006	154 mm	5w	24.76
76106	172 mm	5w	32.90
76206	200 mm	10w	37.55
76306	230 mm	10w	41.80
76406	254 mm	18w	52.72



Saginomiya Fan Speed Controls

Saginomiya fan speed controls for single & 3 phase fans.



Pressure sensing for accurate control. Can be set to cut off or minimum speed

R134 / 404 / 407c		
115205	1 ph 4A	118.84
115405	1 ph 6A	164.21
38005	1 ph 8A	183.48
R410		
128505	1 ph 4A	154.14
128605	1 ph 8A	213.28

Ring Mounted Fan Motors EC models

EC Ring mount Assemblies (electronically commutated 230V 50Hz)
Nominal Run Speed (RPM)
ECM (1400-2200rpm)

	Blade	Pitch	
173105	200 mm	28°	63.37
173005	200 mm	30°	56.36
173205	200 mm	34°	67.69
173505	230 mm	28°	65.58
181205	230 mm	19°	65.34



Blades & Brackets



Aluminium fan blades

109906	254 mm 19°	1.95
110006	300 mm 19°	2.25
110106	300 mm 23°	2.25
Mounting Brackets		
110306	70 mm	0.55
110406	85 mm	0.55
110506	105 mm	0.75

Axial Motors



138605	60 x 60 x 30 mm	33.07
138405	92 x 92 x 25 mm	24.54
135505	92 x 92 x 38 mm	40.37

75605	80 x 80 x 38 mm	17.05
57006	120 x 120 x 25 mm	20.87
75905	120 x 120 x 38 mm	20.87
135605	172 x 150 x 55 mm	59.19

Tangential Fan Assemblies

Note:

Size shown is the wheel length only not including the motor body.



Single Wheel Models (RH)

Blade size

97005	90 mm	32.92
97105	120 mm	51.51
68605	180 mm	42.04
97205	240 mm	46.73
97305	270 mm	46.00
79405	300 mm	58.30
97405	360 mm	61.01
127805	420 mm	70.01
127905	480 mm	93.00

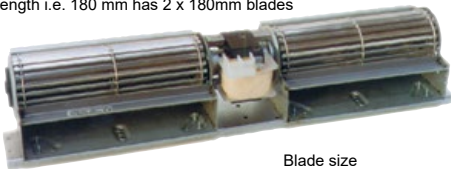


Also available - model with motor mounted on left hand side as per picture above.

Single Wheel Models LH

130005	180 mm	29.63
134205	300 mm	39.05

Double wheel tangential fan assemblies. Size shown is for the individual blade length i.e. 180 mm has 2 x 180mm blades



Blade size

68705	180 mm	75.02
97605	240 mm	80.78
97705	270 mm	86.55

97805	300 mm	94.61
127505	360 mm	103.85
127605	420 mm	97.01
127705	480 mm	105.00

12v Condenser Fan Motors

A range 12v 10 blade condenser fans suitable for a range of applications

120405	9" blade	36.30
120505	10" blade	36.30
120605	11" blade	38.50
120705	12" blade	42.35
120805	14" blade	49.50



Axial Fan / Guard Assemblies



High quality axial fan and guard assemblies for a wide range of replacement applications all models 220/240v 50hz.

All models feature terminal box on rear. Size shown is **blade** diameter

Sucker Models

Air over blade to guard

Blower Models

Air over guard to blade



Sucker models 1 phase

Blade	Speed	
167205	250 mm 4 pole	112.49
159405	300 mm 4 pole	117.36
268805	330 mm 4 pole	121.92
175305	350 mm 4 pole	122.54
159605	400 mm 4 pole	132.93
266605	450 mm 4 pole	159.64
159705	500 mm 4 pole	226.88
268305	550 mm 4 pole	223.59
160405	630 mm 6 pole	358.41

Blower Models 1 phase

Blade	Speed	
169005	250 mm 4 pole	112.49
160605	300 mm 4 pole	117.36
269005	330 mm 4 pole	121.92
175505	350 mm 4 pole	122.54
160205	400 mm 4 pole	132.93
267005	450 mm 4 pole	176.09
160305	500 mm 4 pole	226.88
268505	550 mm 4 pole	257.13
268005	630 mm 6 pole	352.94

Sucker models 3 phase

Blade	Speed	
174505	300 mm 4 pole	86.25
175705	350 mm 4 pole	122.54
176505	400 mm 4 pole	132.93
266705	450 mm 4 pole	169.74
267405	500 mm 4 pole	226.88
268105	550 mm 4 pole	223.59
160005	550 mm 6 pole	223.59
267805	630 mm 6 pole	352.94

Blower Models 3 phase

Blade	Speed	
174705	300 mm 4 pole	117.36
175905	350 mm 4 pole	122.54
176705	400 mm 4 pole	132.93
267105	450 mm 4 pole	159.64
267505	500 mm 4 pole	270.83
268405	550 mm 4 pole	223.59
160505	550 mm 6 pole	223.59
267905	630 mm 6 pole	298.74

Backward Curved Fan 1ph

Backward curved fan assemblies.

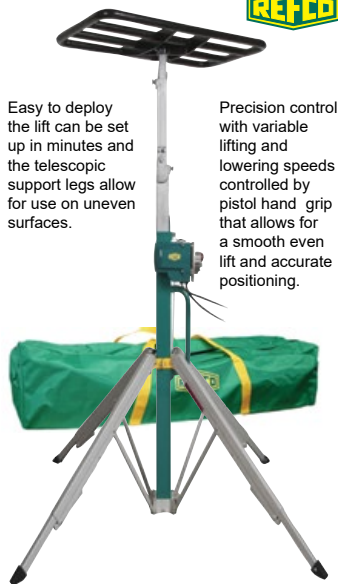
- ✓ 230v 50Hz
- ✓ 2780 rpm
- ✓ 4 tapped holes at non drive end

Blade size

168305	133 mm	62.50
168405	175 mm	73.76
173605	190 mm	87.75
173705	220 mm	89.86
173805	250 mm	115.16



Refco LFT-230 portable lift



Easy to deploy the lift can be set up in minutes and the telescopic support legs allow for use on uneven surfaces.

Precision control with variable lifting and lowering speeds controlled by pistol hand grip that allows for a smooth even lift and accurate positioning.

Super portable lift from Refco. Ideal for a multitude of site applications from lifting A/C units into place, positioning indoor units, duct work, evaporators etc.

Fine lift controls allow accurate positioning.



Compact size makes it easy to use in offices and other confined spaces.

Easy single person carry when folded away.

- ✓ Max lifting height 3m
- ✓ Max load capacity 120 Kg
- ✓ Weight lift only 20 Kg
- ✓ Weight platform 5 Kg

165902 LFT-230 Portable hoist 1275.00

Vecam Condensing Unit Guards

Condensing unit protection cages from Vecam
With electro galvanised epoxy powder coated panels these smart cages are designed to be assembled using only 4 screws.

The unique split back frame is fitted with an integral spirit level for quick install. Additional features include Name plate panel for your company sticker and pre marked holes for refrigerant lines etc.



		Height	Width	Depth	
152406	Vecam Cube guard medium	1150	1150	650	249.00

PH Security Cages

Condensing unit protection cages with unique sliding panels for easy assembly and service. Powder coated ivory finish. Guards come with panels for top, front and sides as shown

Additional base and back panels available for stand alone and raised installations.



		Height	Width	Depth	
92506	Small CG-S	750	1050	460	242.59
92606	Medium CG-M	1150	1150	650	347.01
92706	Large CG-L	1450	1150	650	393.82
100706	X-Large CG-XL	1800	1150	650	523.63
500 Series Guards		Height	Width	Depth	
145906	CG-500S	620	1050	500	201.23
146006	CG-500M	1020	1050	500	256.00
146106	CG-500L	1420	1050	500	357.79
750 Series Guards					
146206	CG-750S	950	1150	750	444.23
146306	CG-750M	1150	1150	750	503.71
146406	CG-750L	1450	1150	750	672.27

Spare Base Panel		
99306	CG-S	73.57
99406	CG-M	80.18
99506	CG-L	70.74
99606	CG-XL	74.06

Spare Base Panel		
149406	CG-500	58.98

Spare Base Panel		
149506	CG-750	90.63

Aspen A/c Unit Guards



Purpose made condensing unit guards ivory finish to help protect vulnerable air conditioning units from unwanted attention. Supplied flat packed quick and easy to fit.

		H	W	D	
127004	Small	700	1000	450	258.96
127104	Medium	1100	1100	600	345.26
127204	Large	1400	1100	600	406.92

Javac Portable Lifter



- ✓ Professional equipment to lift heavy devices
- ✓ Suitable for pipe equipment of freezing, air coolers, air conditioners, indoor machinery
- ✓ Max lifting height 3.69 m
- ✓ Max load capacity 120 Kg
- ✓ Gross Weight 33 Kg

346502 Javac Lifter 1135.00

Mobile Air Conditioners

PAC12 3.5 Kw Cooling only mobile air conditioner. Good quality reliable & quiet unit.



- ✓ LED display and remote control
- ✓ Flexible exhaust hose - 1.5m
- ✓ No pump required - self evaporating condensate.

186106 PAC-C-12 Cooling only	406.05
186206 PAC-C-12 Heat pump	535.20

Galvanised Mounting Arms

Industrial 42mm channel arms price per pair



	mm	max kg	1-4	5-9	10+
115206	450	250	30.59	27.53	24.47
115306	600	190	30.84	27.76	24.67
145806	750	150	43.02	38.72	34.42

600mm Galvanised Bracket Set

2 x 750mm uprights
2 x 600mm arms



	mm	max kg	1-4	5-9	10+
148106	600	190	51.16	46.04	40.93



Webbed cantilever arms
for extra strength price per each arm

	mm	max kg	
145606 Webbed arm	600	190	23.82
145706 Webbed arm	750	150	33.77

V9 Quick Mounting Polyamide Brackets

- ✓ New Improved 2 piece model
- ✓ 100% Rust Proof
- ✓ Capacity up to 90 Kg
- ✓ Light weight easy to carry
- ✓ Easy to fit
- ✓ Integral Spirit Level



	Load	1-9	10+
188206 V9 Quick Fit	90 Kg	35.67	28.54

Quick fit bolt-less mounting catches

151506 Quick Catch set of 4	5.19
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Vecamm Top Rail Unit Brackets

Top rail type unit brackets. Fitted with spirit level for quick easy mounting.

	Arm mm	Load kg	1-9	10+
151206	520	120	26.89	21.51
151306	600	100	28.76	23.01

New 'OF' Brackets with unique vibration reducing plastic joint cushion..

	Arm mm	Load kg	1-9	10+
151106	450	110	28.98	23.18

PH Type 2 Unit Brackets

Heavy duty brackets with top rail mounting.
Ivory powder coated finish

	Load	1-4	5-9	10+
91906	60 kg	40.56	34.76	32.45
92006	90 Kg	52.05	44.62	41.64
92106	140 Kg	64.36	55.17	51.49

PH Type 2 Heavy Duty Black Unit Brackets

	Model	Arm mm	Load kg	
190206	XL	600	250	112.36
190306	XXL	780	200	115.55
190406	XXL 3 Arm	780	200	156.90

Plastic Heat pump drain trays

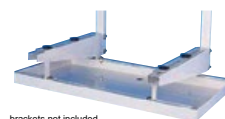
Universal plastic condensing unit drip trays
easily fit any a/c mounting bracket. 100% rustproof

		1-4	5+
74006	Small 790 x 390	56.10	36.47
74106	Large 940 x 420	61.04	39.68

Metal Heat pump drain trays

Metal drain trays for heat pump units universal fit

81906	Small 800 x 400	75.91
82006	Large 1100 x 400	82.50



brackets not included
for illustration only

Air Conditioning Install

Unit Mounting Bases



For mounting units off the ground and reducing vibration etc. (includes fixing bolts)

		1-9	10-19	20+
38406	450mm black	8.26	7.43	6.61
26906	1000mm black	22.01	19.81	17.61

500mm Low Profile Mounting Kit



Complete set of 2 x 500mm long low profile high density rubber mounting blocks with integral 42mm aluminium channel supplied with 4 'T' unit mounting bolt sets.

Ideal width for most common air conditioner outdoor units.

190106	500mm Mounting Kit	28.75
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Flexi Foot



Made from heavy duty recycled rubber each foot features a standard 41mm galvanised channel bonded to the mounting

142406	250 mm Flexi Foot	13.14
142506	400 mm Flexi Foot	15.93
142606	600 mm Flexi Foot	23.28
142706	1000 mm Flexi Foot	37.78

Flexi Foot Universal



The Flexi Foot Universal has three M10 inserts in a heavy duty recycled rubber block offering support to small pipework, cable tray and a variety of outdoor equipment.
Or used as mounting blocks for lengths of 41mm channel etc.

148406	250mm Flexi Foot Universal	16.30
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Fix It Foot



Heavyweight Anti vibration mounts with recessed aluminium channel.
Made of durable recycled rubber.

			1-9	10+
115606	Small	250 mm	15.91	14.32
115706	Medium	400 mm	20.49	18.44
115806	Large	600 mm	24.58	22.12
131106	X Large	1000mm	52.42	47.18

Fixing Packs



Fixing bolt packs (4 per pack)for use with Flexi Foot or any 41 mm channel system.

148206	Fixing Set - Spring nuts	7.30
148306	Fixing Set - T Bolts	4.54

Pack of 4 x 8mm antivibration mounts with nuts and washers.



148506	Anti Vibration mountings	15.54
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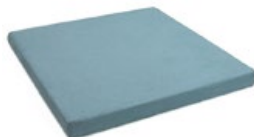
Big Foot Multi Foot



Multi Foot versatile multi-purpose support with threaded inserts. Perfect for use with channel and studding etc. Hundreds of uses also available with anti vibration mats

91506	400 x 180mm	17.48
91606	Anti vib mat small	7.33
91706	600 x 220mm	28.60
91806	Anti vib mat large	12.93

Ultralight Mounting slabs



Ultralight Slabs the lightweight durable alternative to paving slabs for unit mounting

81206	Slab 610 x 610	27.57
84606	Slab 910 x 406	38.30

EVA Anti Vibration Pads

Extreme Vibration Attenuation the latest generation in vibration dampening technology.



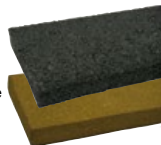
90306	50 x 50 x 23 mm	1.83
90406	76 x 76 x 23 mm	4.25
90506	100 x 100 x 23 mm	6.32
91406	150 x 150 x 23 mm	13.09

Cork Anti Vibration pads



159002	76 x 76 x 23 mm	1.66
159102	100 x 100 x 23 mm	2.68
159202	150 x 150 x 23 mm	5.77

Anti Vibration strip

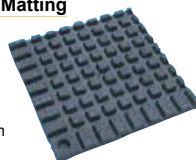


General purpose anti vibration strips available in both Rubber and Cork

148906	Rubber 500 x 50 x 15 mm	5.80
80906	Rubber 1000 x 75 x 15 mm	24.29
149006	Rubber 1200 x 75 x 15 mm	20.40
149306	Cork 1200 x 75 x 12.5 mm	54.29

Anti Vibration Matting

Anti vibration matting Ideal for walkways and to protect roof surfaces
500 x 500 x 45mm



52706	Anti vib mat	21.15
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Vibromat with inserted metal plates enabling you to screw down units



52806	600 x 150 x 30mm	20.80
81106	1000 x 500 x 30mm	48.62

Plastic Mounting slabs



Lightweight plastic slabs durable alternative to paving slabs for unit mounting with a maximum loading of up to 270kg

115906	Plastic Slab 600 x 600 mm	24.10
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Isolators

Top quality IP56 lockable isolators, plenty of space inside and multiple entry's for easy installation.

Ideal for a/c units etc,



	1-4	5-9	10 +
112906 20A 3 pole	16.30	13.04	12.23
113006 20A 4 pole	24.30	19.44	18.23
121306 35A 4 pole	26.83	21.46	20.12

Quick Fit Unit Mounting Bases



Vecamco mounting supports. Made from reinforced thermoplastics they have natural vibration absorbing properties. The unique knock in pin system offers rapid deployment on site. Load capacity 325 Kg per set of 4.

152006 100 x 100mm fixed (pk 4)	10.38
152106 100 x 100 adjustable (pk 4)	13.99
151906 100mm Ø fixed (pk 4)	10.38
151806 100mm Ø adjustable (pk 4)	13.99

Reversing U Joints



Pre made U fittings handy where a tight return bend is needed .

81807 1/4 Inverse fitting	4.90
81907 3/8 Inverse fitting	6.05
82007 1/2 Inverse fitting	6.71

Cable ties & wall plugs

Hammer in plugs- very fast method of fixing cable ties to solid walls. Single hole no fuss !



31906 plugs pk 100	8.58
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Wide Releasable cable ties great for pipe work, cables etc.

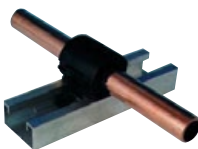
31806 240 mm pk 100	7.46
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Cushion Clamp Pipe Supports



size (bags of 10)	1-9	10-19	20+
85701 1/4	11.46	9.17	7.45
85801 3/8	11.61	9.29	7.55
85901 1/2	11.46	9.17	7.45
86001 5/8	11.44	9.15	7.44
86101 3/4	13.83	11.06	8.99
86201 7/8	15.96	12.77	10.37
86301 11/8	18.28	14.62	11.88
86401 13/8	23.69	18.95	15.40
86501 15/8	29.21	23.37	18.99

QPC pipe clips



Quick positioning clips fit standard 42 mm rails

size (bags of 10)	1-9	10-19	20+
110901 1/4	9.02	8.12	7.49
111001 3/8	9.31	8.38	7.73
111101 1/2	9.27	8.34	7.69
111201 5/8	9.75	8.78	8.09
111301 3/4	9.96	8.96	8.27
111401 7/8	10.20	9.18	8.47
111501 11/8	10.39	9.35	8.62
111601 13/8	10.65	9.59	8.84

BBJ Grip Locks



Easy fitting of pipe pairs to walls etc. Hinged clip for easy pipe installation after clamp fitted

	size per bag of 10	1-9	10+
60806	Size 1 1/4 + 1/2	11.50	10.35
60906	Size 2 3/8 + 5/8	11.95	10.76
61006	Size 3 1/2 + 7/8	12.32	11.09
61106	Size 4 5/8 + 1 1/8	12.55	11.30

Flexi Strapping

General purpose patentband multi strapping



119401 Multi-Band	6.28
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Squeezy Fit Rod hangers

Quick fit Pipe hangers to support pipe work from suspension rods. Fit onto 8-10 mm studding



	per bag of 10		1-9	10+
108806	No 2	3/8 & 5/8	25.93	23.34
108906	No 3	1/2 & 7/8	27.73	24.96
109006	No 4	5/8 & 1 1/8	26.66	23.99

BBJ Suspenders

Quick fit Pipe hangers to support pipe work from suspension rods. Fit onto 8-10 mm studding



	per bag of 10		1-9	10+
79906	Size 2	3/8 + 5/8	20.32	18.29
80006	Size 3	1/2 + 7/8	20.72	18.65
80106	Size 4	5/8 + 1 1/8	24.84	22.36

Mighty Bracket



Mini-split installation is now a one man job! Clips to the mounting bracket of most mini-splits.

- ✓ Holds unit securely in place during installation – without damaging walls
- ✓ Allows single person installation
- ✓ Does not damage walls
- ✓ Works with most mini-splits up to 45kg
- ✓ Folds for easy storage
- ✓ Includes tote bag

184302 Mighty Bracket	178.18
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Universal Remote Controls

Universal remote controls for air conditioner systems



138202 208-1 remote control	9.99
151202 518-1 remote control	14.99

Trunking



White	Trunking 2m length	1 off	Box Qty / £
80 mm	137806 80 x 60	15.52	(8) 13.19
90 mm	104906 90 x 65	14.85	(8) 12.62
125 mm	105006 125 x 75	21.87	(6) 18.59
Matt Black			
90 mm	178306 90 x 65	14.83	(8) 12.61

INABA DENKO



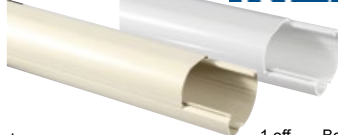
Black		1 off	Box Qty / £
75 mm	157206 75 x 63	23.66	(5) 20.11
100 mm	169306 100 x 70	35.87	(5) 30.49
Brown			
75 mm	180306 75 x 63	25.10	(5) 21.34
White			
75 mm	251606 75 x 63	24.20	(10) 20.57
100 mm	251506 100 x 70	25.44	(10) 21.62



SRW

Black		1 off	Box Qty / £
80 mm	176406 80 x 60	13.91	(8) 11.82
100 mm	177106 100 x 68	19.55	(6) 16.62

INOAC



Ivory		1 off	Box Qty / £
60 mm	32606 57.5 x 58	13.75	(5) 11.69
75 mm	32706 74 x 62	15.66	(5) 13.31
100 mm	35706 99 x 68	23.83	(5) 20.26
White			
75 mm	166006 74 x 62	15.66	(5) 13.31



Ivory		1 off	Box Qty / £
75 mm	77306 70 x 65	24.63	(10) 20.94
105 mm	77406 100 x 75	30.87	(6) 26.24



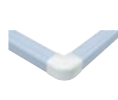
Connection Piece



90° Elbow Horizontal



90° Elbow Internal



90° Elbow External



Adjustable Bend

138006	2.09	138606	4.37	138306	3.53	138406	3.53	138806	5.71
102806	2.58	102006	4.70	102406	3.82	103406	3.82	150406	7.01
102906	2.92	102106	5.78	102506	4.86	103506	4.86	-	-

178406	2.80	178506	5.15	178606	3.78	178706	4.20	-	-
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Coupler



Flat Bend 90 deg



Vertical Elbow



Flat Bend 45 deg



45 Deg Elbow Bend

157706	3.15	157806	10.63	157306	8.66	157906	8.47	157406	15.34
169506	6.44	169706	17.43	35608	17.96	35908	32.57	35708	32.57

180606	3.35	180706	11.30	180406	9.16	180806	9.00	180506	16.27
--------	------	--------	-------	--------	------	--------	------	--------	-------

252506	4.76	252706	10.85	251806	8.85	252906	10.25	252006	14.24
252406	6.28	252606	15.41	251706	14.64	252806	20.52	251906	27.01



Coupler



Flat 90 Bend



Internal Bend



Wall Outlet



Ceiling Cover

176906	2.07	176706	5.78	176806	5.78	176506	5.82	176606	7.85
177606	3.60	177406	9.77	177506	10.07	177206	9.80	177306	11.27



Connection Piece



90° Elbow Horizontal



90° Elbow Vertical



Universal Horizontal Elbow



Universal Vertical Elbow

33406	1.75	33006	5.24	33206	5.24	33806	5.57	-	-
33506	2.32	33106	6.53	33306	6.25	33906	6.27	34006	7.63
36506	5.02	36106	11.50	36306	11.62	36906	12.02	34106	7.97

166406	2.32	166206	6.53	166306	6.25	166706	6.27	167006	6.77
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Connection Piece



Wall cover



90° Flat Bend

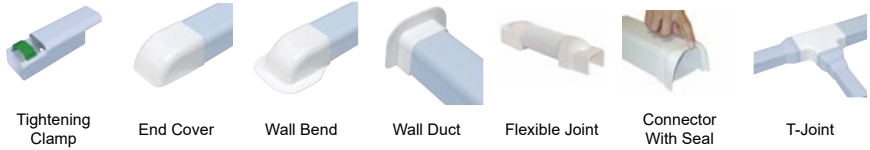


90° Elbow Bend



90° Elbow External

78106	2.81	77506	8.43	77706	7.67	77906	6.83	79006	6.83
78206	5.64	77606	14.38	77806	14.29	78006	14.55	79106	14.55



White

80 mm	137906	0.41	138506	2.31	138706	4.85	138206	2.85	138906	17.09	138106	2.64	139006	7.09
90 mm	101206	0.56	104506	3.76	101606	6.06	103806	4.69	150506	17.21	150306	3.49	103106	7.62
125 mm	101306	0.56	104606	4.47	101706	7.55	-	-	-	-	-	-	103206	12.64

Matt Black

90 mm	101206	0.56	179106	4.10	178906	6.66	179006	4.65	-	-	-	-	178806	10.84
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Black

75 mm	158306	8.29	158006	14.58	158206	8.66	157506	5.34	158106	45.78	157606	7.77	169606	29.55
100 mm	36108	12.45	36008	20.09	169806	17.47	35808	11.80	169406	48.53	169906	15.78	-	-

Brown	75 mm	181206	8.78	181306	15.50	181106	9.16	181406	5.72	180906	48.60	-	-	-	-
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White	75 mm	253506	7.80	186306	11.54	253306	7.14	253706	4.39	253106	31.68	252306	8.77	252106	18.92
	100 mm	253406	10.43	-	-	253206	17.47	253606	10.03	253006	44.62	252206	23.23	252106	18.92



Black

80 mm	184806	6.25	-	-	177006	4.27	-	-	-	-	-	-	-	-	-
100 mm	-	-	177806	33.10	177706	15.24	177906	16.56	-	-	-	-	-	-	-



Ivory

60 mm	-	-	37906	2.93	33606	5.32	37106	3.88	32806	5.24	-	-	-	-	-
75 mm	77106	17.54	38006	3.09	33706	4.69	37206	3.92	32906	6.58	-	-	-	-	-
100 mm	77206	21.71	38106	3.91	36706	9.00	76906	7.73	35906	12.33	-	-	-	-	-

White	75 mm	166506	17.54	166606	3.09	166806	4.69	166906	3.92	166106	6.58	-	-	-	-
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Ivory

75 mm	92906	7.67	-	-	78406	4.05	78606	3.51	78806	28.81	79206	6.45	-	-	-
105 mm	93006	14.29	78306	29.87	78506	4.66	78706	4.22	78906	8.55	79306	6.96	-	-	-

Compact Pumps

Aspen Mini Orange / Maxi Orange

A high performance easy installation mini pump from Aspen available in 3 models depending on performance requirements.

Silent+ Mini Orange pump includes a high performance motor as well as an acoustic damper and anti-vibration tubing



	Lift	Head	Flow	1-4	5+
57606 Mini Orange	2 m	10 m	12 l/h	95.74	81.38
110706 Maxi Orange	2 m	15 m	35 l/h	112.22	95.39
130106 Silent+ Orange	2 m	10 m	12 l/h	107.29	91.20

Aspen Mini Lime / Maxi Lime

The **Mini Lime** complete condensate solution for high wall A/c units.

The kit includes everything you need including 800 mm of trunking plus an elbow and wall socket.

Available in Silent+ and Maxi versions and in 4 trunking styles



Trunking type	Head	Flow	1-4	5+
130206 Slimline 80 x 50	10 m	12 l/h	132.58	112.69
130306 BBJ Econ 70	10 m	12 l/h	128.52	109.24
130406 Inoac 75 ivory	10 m	12 l/h	126.00	107.10
161206 Inoac 75 white	10 m	12 l/h	130.76	111.15
135406 OEM (pump only)	10 m	12 l/h	89.02	75.67

Trunking type	Head	Flow	1-4	5+
110906 BBJ Econ 70	15 m	35 l/h	166.83	141.81
129806 OEM (pump only)	15 m	35 l/h	112.48	95.61

Aspen Micro -V

Micro pump with i⁴ technology monitors water flow and adjusts flow rate to suit demand.

Also features *pulse* diagnostics LED codes.



	Lift	Head	Flow	1-4	5+
159106 Micro-V	2m	10 m	14.5 l/h	116.07	98.66

Aspen Mini Aqua

Aspen Mini Aqua is incredibly slim in size.

Measuring only 28 mm x 28 mm it provides great installation flexibility in even the smallest of evaporators.



	Lift	Head	Flow	1-4	5+
105906 Mini Aqua	2 m	10 m	12 l/h	107.33	91.23
183106 Silent+ Mini Aqua	2 m	10 m	12 l/h	110.11	93.59

Refco COMBI condensate pump

- ✓ Swiss build quality
- ✓ Adjustable pump rate for different applications
- ✓ Diagnostic LEDs
- ✓ Digital Water Sensor with no moving parts to stick
- ✓ Warranty starts from date of commissioning



	Lift	Head	Flow	1-4	5+
256506 Refco Combi	3 m	20m	42 l/h	100.24	90.22

Sauermann Si-30

Ultra quiet compact pump with operating sound level of only **20 dba**.
Uses remote float switch reservoir



	Lift	Head	Flow	1-4	5+
133906 Sauermann SI 30	3 m	10 m	20 l/h	86.25	73.31

Sauermann delta Pack

The Delta pack features the latest technology Si10 elbow pump for unmatched reliability and virtually silent operation.

Simpler installation and improved modern design



	Head	Flow	1-4	5+
143106 Delta pack 80 x 60	10 m	20 l/h	139.78	118.81

Si10 Universal Elbow pump

Ultra quiet elbow pump as used in the Delta packs above, on its own or as an replacement for existing elbow pumps



	Head	Flow	1-4	5+
142906 Sauermann Si10	10 m	20 l/h	90.13	76.61

Little Giant EC-1

Easy to install brackets include vibration dampeners for an ultra quiet operation rating of just 21 dB(A) .

Ideal for wall mounted units up to 10kW.



	Lift	Head	Flow	1-4	5+
141606 EC-1	2 m	10 m	10 l/h	105.08	89.32

Blue Diamond Pumps

The Mini / Maxi & Mega pumps use patented rotary diaphragm technology to produce a range of compact lightweight pumps that offer high performance, exceptional reliability and almost silent running.

- ✓ 5m Suction Lift
- ✓ Up to 20m head
- ✓ No filters required
- ✓ Silent when running

3 YEAR
WARRANTY

Mini Blue

5m
LIFT

8m
HEAD



21 dba

Lift	Head	Flow	1-4	5+
5 m	8 m	8 l/h	101.84	86.56

128906 Universal

Maxi Blue

8m
LIFT

8m
HEAD



21 dba

Lift	Head	Flow	1-4	5+
8 m	8 m	14 l/h	124.72	106.01
8 m	8 m	14 l/h	124.72	106.01
8 m	8 m	14 l/h	124.72	106.01

136006 Universal

136106 Drain Sensor

136206 Reservoir

Mega Blue

20m
HEAD

7m
LIFT



23 dba

Lift	Head	Flow	1-4	5+
7 m	20 m	50 l/h	177.64	150.99
7 m	20 m	50 l/h	177.64	150.99
7 m	20 m	50 l/h	177.64	150.99

136506 Universal

136406 Drain Sensor

136306 Reservoir



5m Sensor extension cable fits all models

136606 5m sensor extension cable 24.01

Blue Diamond Multi Tank Universal Reservoir

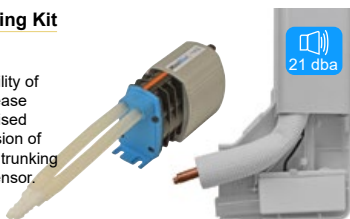
The MultiTank is a 1.5lt tank with 6 drain inlets and integrated thermister level sensor. Compatible with all the 'Blue' range. Ideal for collection from several systems at once.



143206 Multi Tank 47.24

Mini Blue R Ducting Kit

Combining the reliability of a Mini blue with the ease of an elbow kit. A revised remote mounted version of the MiniBlue™ with a trunking mounted reservoir sensor.



21 dba

Head	Flow	1-4	5+
8 m	8 l/h	106.40	90.44

141406 Mini Blue ducting kit

Blue Diamond Pumps Micro Blue

3 YEAR
WARRANTY

State of the art silent running pump using GyRok™ pumping technology. It can be mounted in any orientation whilst operating both wet and dry continuously.



Remote reservoir uses proven thermistor level sensing technology to remove the risk of stuck or sunken float switches.

2m
LIFT

5m
HEAD

17 dba

Lift	Head	Flow	1-4	5+
2 m	5 m	5 l/h	95.35	81.05

160306 Micro Blue

Micro Blue Ducting Kit

The micro blue ducting kits with 800mm of ivory trunking provides everything you need for a professional silent installation.



3 YEAR
WARRANTY

Lift	Head	Flow	1-4	5+
2 m	5 m	5 l/h	123.99	105.39
2 m	5 m	5 l/h	123.99	105.39

167506 Micro Blue kit Ivory Trunking

189706 Micro Blue kit White Trunking

Aspen Peri Pro

5 YEAR
WARRANTY

21 dba



5 year warranty*

- Configurable motor speed
- Flexible installation with outstanding lift

Lift	Head	Flow	1-4	5+
3 m	12 m	15 l/h	172.39	155.15
3 m	12 m	15 l/h	189.48	170.53

189406 Peri Pro Plus

189106 Peri Pro Air

air on / air off sensors

Sauermann Peristaltic

30 dba



Lift	Head	Flow	1-4	5+
2 m	12 m	6 l/h	108.48	92.21
2 m	12 m	6 l/h	133.45	113.43
2 m	12 m	6 l/h	134.28	114.14

72406 PE5000

72506 PE5100

66406 PE5200

remote float switch

Tank Pumps

Aspen Mini Tank Pump

Mini tank pump can be used with top entry or simply placed in a drain tray.
Ultra compact with a .24l sump.

Height: 70 mm
Width: 180 mm
Depth: 90 mm



	Head	Flow	1-4	5+
131306 Mini Tank Pump	10	35 l/h	89.87	76.39

Aspen Max High flow

The all new MAX Hi flow tank pump from Aspen is the latest and most advanced tank pump in the range. Innovative design features include stud mounting, operation lamp, built in spirit level and quick detachable tank.



	Head	Flow	1-4	5+
159406 Max Hi Flow 1.7 lt	5	550 l/h	63.79	54.22

Aspen High Lift

The Aspen Hi-lift Tank Pumps use a peristaltic rotary type pump which means that they are quiet in operation, very reliable and will run dry without fear of damage or any embarrassing noise.



	Head	Flow	1-4	5+
23506 High Lift 1lt sump	12m	11 l/h	154.46	131.29
50806 High Lift 2lt sump	12m	11 l/h	163.07	138.61

Aspen Heavy Duty Tank Pumps

Heavy duty

Tank pumps with large 4 litre tank and powerful motors for maximum condensate removal



	Head	Flow	1-4	5+
54206 Heavy duty 6	6 m	900 l/h	148.84	126.51
54306 Heavy duty 10	9 m	1070 l/h	259.30	220.40

Aspen Hot Water Economy

Hot water tank pump with 4 lt Heat resistant PPS tank. Ideal for collecting hot water from humidifier drain down cycles and normal condensate water from any associated air conditioning or boiler systems



HOT WATER

	Head	Flow	1-4	5+
54406 Hot Water Economy	7 m	900 l/h	425.64	361.79

Little Giant VCMX-20S

Next generation tank pumps from Little Giant pumps combine the latest technology with superb reliability.

2 lt sump



	Head	Flow	1-4	5+
143306 VCMX-20S 2 lt sump	4.8	284 l/h	83.92	71.33

Sauermann Tank Pumps

The Si-83 is constructed from rugged materials and components for exceptional durability and reliability. And its unmatched versatility means that the Si-83 tank pump from Sauermann primarily dedicated to air conditioning and refrigeration applications is equally proficient for heating applications.



	Head	Flow	1-4	5+
182006 Si 83 2 lt sump	5.7 m	700 l/h	66.21	56.28

Diversitech Redbox

Fitted with metal mounting tabs for optional wall mounting.

The universal power lead makes the pump easy to install, service and retrofit.

LED indicators highlight when the pump has power, is running and when the high level alarm has been activated.



	Head	Flow	1-4	5+
188606 Redbox-1L-S 1 litre	5.1 m	280 l/h	46.71	42.04
188706 Redbox-2L-S 2 litre	5.1 m	280 l/h	46.71	42.04

Little Giant

The high quality Little Giant pumps are renowned for their exceptional reliability and high performance



	Head	Flow	1-4	5+
53606 VCMA-20S 1.6 lt sump	4.3 m	294 l/h	105.87	89.99

Little Giant Heavy Duty Pumps

Quality pumps for exceptional reliability. Fully automatic with high-level alarm designed to remove condensate water from air conditioners, refrigerated display cabinets, furnace burners or boilers and dehumidifiers.



HOT WATER

	Head	Flow	1-4	5+
54006 VCL-24S 3.8lt sump	5.9 m	900 l/h	187.11	159.04
54106 VCL-45S 3.8lt sump	10.5 m	1560 l/h	530.40	450.84

REFCO GOBI II condensate pump

Universal pump for direct mounting under the indoor air conditioner

- ✓ Adjustable pump rate for different applications
- ✓ Ultra quiet as low as 19 dB
- ✓ Digital Water Sensor with no moving parts to stick
- ✓ Warranty starts from date of commissioning



	Head	Flow	1-4	5+
256606 Gobi II Pump	20	42	106.93	96.24

Aspen Silent+ Mini White condensate pump

Incredibly quiet, easy to install and maintain, the Silent+ Mini White has been designed to fit either side of the evaporator unit. A double insulated reservoir eliminates condensation and is simple to unclip for cleaning and maintenance.



	Head	Flow	1-4	5+
189306 Silent+ Mini White	10 m	45 l/h	111.47	100.32

Aspen Mini Blanc condensate pump

Mini Blanc pump is an unobtrusive unit that is simple to install below typical high wall units and is fully self contained with integral sump. Smooth white finish with snap on cover gives smart appearance and easy access.

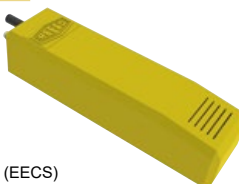


	Head	Flow	1-4	5+
117306 Mini Blanc	10 m	12 l/h	95.92	81.53

Refco KAROO submersible pump

The KAROO is a completely sealed submersible pump for use in condensate trays.

- ✓ Fully Submersible IP68
- ✓ Low Profile only 160 43 x 34 mm
- ✓ Electronic Sensor
- ✓ Electronic Energy Control System (EECS) with alarm circuit



	Head	Flow	1-4	5+
256706 KAROO Submersible	10 m	12 l/h	116.71	105.04

Pump House 'Black Edition' Tank pump

Especially for sites with exposed services such as modern retail spaces and restaurants, the all-black body design is an excellent choice. It seamlessly blends into the surroundings.
2 Lt sump



	Head	Flow	1-4	5+
190506 PH-2L-SS-Black	5.5	402 l/h	42.33	38.10

DD4 Dairy / Display Case Pumped Drain Tray

Designed to meet the increasing demand for even lower profile trays to fit under modern display cases the DD4 requires only 75 mm clearance and has both top and side entry inlet.



- ✓ 1.2mm Stainless Steel
- ✓ Ultra Low Profile
- ✓ 5 Lt Capacity
- ✓ 470 x 310 x 75 mm *
- ✓ Top and side entry
- ✓ 228 Lt per hour
- ✓ Optional alarm output



Easy clean filter



Top or side entry



*case dims excluding end inlet

	1-4	5+
119406 DD4 No high level alarm	300.50	279.47
96906 DD4 tray with volt free high level alarm	321.00	298.53

Aspen ERRP Display Case Pump



- ✓ 3.5 Lt Capacity
- ✓ Suitable for Multiple Cabinets
- ✓ Plug in lead
- ✓ Top or Side entry options
- ✓ Max Flow 225 L/h
- ✓ Max head 35m (25 L/h)
- ✓ 590 x 405 x 100 mm

32608 ERRP top inlet FP2318	340.34
32808 ERRP side inlet FP2320	331.24

Aspen Low Profile ERRP Display Case Pump



- ✓ 3.5 Lt Capacity
- ✓ Lightweight
- ✓ Plug in lead
- ✓ Top or Side entry options
- ✓ Max Flow 190 L/h
- ✓ Max head 21m (10 L/h)
- ✓ 530 x 240 x 75 mm *

32708 Low Profile ERRP Top inlet FP2597	297.62
32508 Low Profile ERRP Side inlet FP2805	332.07

Condensate Trays

DD5 Automatic Condensate evaporator tray



- ✓ Float Switch control only on when needed
- ✓ 1.5 lt Capacity
- ✓ Stainless Steel
- ✓ Plug in lead
- ✓ 315 x 120 x 85 mm

1-4 5+

121206 DD5 Drain Tray 135.65 122.08

DD1 Dairy / Display Case Evaporative Drain Tray



- ✓ 6 lt Capacity
- ✓ Stainless Steel
- ✓ Plug in lead
- ✓ Float Switch control
- ✓ 415 x 303 x 105 mm

1-4 5+

55406 DD1 tray 189.00 170.10

Compact DD3 Dairy Case Tray



- ✓ 4 lt Capacity
- ✓ Stainless Steel
- ✓ Plug in lead
- ✓ Float Switch control
- ✓ 415 x 202 x 105 mm

1-4 5+

73906 DD3 tray 189.00 170.10

Pump House DCP-30A Display Case Pump



- ✓ 5.5 lt Capacity
- ✓ Stainless Steel
- ✓ Top or Side entry
- ✓ Alarm output
- ✓ Max Flow 700 L/h
- ✓ Max head 23m
- ✓ 610 x 200 x 76 mm

27808 DCP-30A 393.05

Self Regulated Drain Pans



- ✓ 1.4 lt Capacity
- ✓ 225w Self Regulating
- ✓ 157 g /hr evaporation
- ✓ Long 6ft fly lead
- ✓ 317 x 120 x 73 mm

147706 Kason 0660 142.72



- ✓ 1.4 lt Capacity
- ✓ 300w Self Regulating
- ✓ 170 g /hr evaporation
- ✓ Plug in lead
- ✓ 312 x 121 x 77 mm

88005 Supco No 70 151.18

Non Regulated Drain Pans



No 30

- ✓ 1.1 lt Capacity
- ✓ 160w Unregulated
- ✓ 225 g /hr evaporation
- ✓ 254 x 102 x 73 mm

88605 Supco No 30 45.77

No 75



- ✓ 2.2 lt Capacity
- ✓ 320w Unregulated
- ✓ 395 g /hr evaporation
- ✓ 254 x 229 x 70 mm

88505 Supco No 75 116.33

Spare Parts For DD Range



125606 12v dc pump 71.20

123206 bridge rectifier 6.00

123106 Transformer 7.50

59806 Heater DD1 /3 26.15

119806 Heater mat DD5 16.99

120106 Hot Lead 4.13

59706 DD1 /3 Float Switch 13.83

120206 DD5 Float Switch 14.99

125406 DD4 Float Switch 23.42

125506 DD4 Alarm Float Switch 17.55



106406 Relay 7.68

123506 Filter Assembly 11.11

Condensate Hose



30m rolls braided condensate hose

	1-9	10+
Clear reinforced hose		
23306 1/4	21.26	17.01
25206 3/8	23.17	18.54
68606 1/2	33.50	26.80
68706 3/4	65.60	52.48

Black hose		
182106 1/4	21.26	17.01
182206 3/8	20.45	16.36

Flexible Drain Line



Corrugated flexible drain line in 30m rolls

155206 14mm x 30m	20.59
155306 16mm x 30m	27.37
155406 18mm x 30m	31.46
155506 20mm x 30m	31.02
155606 25mm x 30m	46.75
155706 32mm x 30m	54.15

System to Flexible Pipe Fittings

Adaptors for joining flexible hose to hard pipe, a/c indoor outlet connections etc.. Stepped adaptor fits 14 - 16 - 18 & 20 mm flexible hose.



PVC Pipe 2m lengths	
156106 Flex to 16 mm	4.22
156206 Flex to 18 mm	4.22
156306 Flex to 20 mm	4.22



Drain tray connector from 16mm reservoir connector to 18,16 & 14mm Ø pipe fitting	
116706 Pack of 5	19.56

Push Fit PVC Drain Line



PVC Pipe 2m lengths	
152906 20mm pipe 2m	2.50
153006 25mm pipe 2m	3.65
153106 32mm Pipe 2m	4.36

Straight Couplers	
153206 20mm Coupler	1.36
153306 25mm Coupler	1.44
153406 32mm Coupler	1.57

90 Degree Elbows	
153506 20mm Elbow	1.40
153606 25mm Elbow	1.52
153706 32mm Elbow	1.63

Tees	
154106 20mm Tee	1.83
154206 25mm Tee	1.87
154306 32mm Tee	2.03

45 Degree Elbows	
153806 20mm 45° bend	1.40
153906 25mm 45° bend	1.52
154006 32mm 45° bend	1.63

Pipe Clips	
154406 20mm Pipe clip	0.43
154506 25mm Pipe clip	0.54
154606 32mm Pipe clip	0.60

Mini Lime Inlet Hose

Mini lime inlet hose 1m length (14mm I/D & 19mm O/D)

95806 Lime hose per m	6.99
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In Line Non Return Valves

93806 6mm pack of 5	29.48
70606 10mm each	13.76

PVC Tube Cutter



Heavy duty PVC/plastic tube cutter for drain lines / conduit etc.	
40807 PC42 cutter	9.71

Gallo Gun



A simple lightweight tool using CO2 at **800 psi** to blow blockages out drain lines

89906 Gallo Gun	67.91
179706 pk 12 cartridges	51.37

Waste Pipe Taps

Self sealing fittings for easy tapping into waste pipes

3/8" / 1/4" (10mm / 6mm)	
146506 Pack of 3	17.90

Pack of 6 x 6mm pipe fitting	
82406 ACC00205 (6)	23.13

Overflow Connectors

Adaptor for 1/4 or 3/8 hose to 21mm overflow pipe (pack of 3)	
146606 1/4&3/8 to 21mm	5.96

Hose Connectors

147106 1/4 coupler pack 5	8.08
97206 3/8 coupler pack 5	21.21
146706 1/4-3/8 pack 5	9.04

147206 1/4 Elbow pack 5	8.35
93506 6mm tee pack 5	11.46
113106 3/8 tee pack 2	6.04

Terlok CONSOLVE fittings



CONSOLVE® Premium Rubber to Solvent Weld A/C Drain Adaptor Hydro-Dynamically designed for an unrestricted cascading flow of condensate!

Guaranteed to outlast the life of the AC Unit!



169106 1-3/4" (21.5mm)	4.99
169206 1-1/4-3/4" (21.5mm)	4.99

Pump & Drain Adaptors



Rubber adaptors to connect overflow pipe to waste pipe supplied in packs of 3

188806 19mm - 30mm	7.58
189206 19mm - 25mm	8.37
146806 21mm - 25mm	7.27
146906 21mm - 32mm	7.96
147006 21mm - 40mm	9.06

Peristaltic Spares



Aspen	
23406 spare tube kit	10.12

Sauermann

88306 peristaltic tube	8.94
93406 Pump head complete	56.20

Cassette Lift Pump

Sauermann SI2052 replacement condensate lift pumps for cassette units. Adaptable mounting



Lift Flow	0.9 m 70 l/h
96506 SI 2052	73.36



Developed and produced in the UK Advanced Engineering produce the most complete range of cleaning products developed and produced in the UK to the highest standards specifically for Refrigeration and Air Conditioning applications

RTU EC Evaporator Cleaner



- ✓ Effective at removing all common types of dirt and debris
- ✓ Biodegradable formula that is safe to use
- ✓ Use as part of a regular maintenance programme
- ✓ Convenient ready-to-use format

	1-7	8+
70706 RTU-EC 1lt	18.15	15.97

RTU ECD Evaporator cleaner & disinfectant



- ✓ Verified to kill the SARS-CoV-2 virus
- ✓ (which leads to Covid-19) on contact†
- ✓ Kills 99.9% of bacteria in 60 second
- ✓ Pump Safe
- ✓ Convenient ready-to-use format

	1-7	8+
70906 RTU-ECD 1lt	18.15	15.97

RTU Condenser Cleaner



Cleaners designed to remove dirt and debris from outdoor units

- ✓ Highly effective at removing all common types of dirt and debris
- ✓ No Rinsing Required
- ✓ Biodegradable safe to use
- ✓ Convenient ready-to-use format

	1-7	8+
70806 RTU-CC 1lt	18.15	15.97

RTU Bubble Up Leak Detection Fluid



RTU bubble-up leak detector is specifically designed to locate refrigerant leaks.

- ✓ Ready to Use
- ✓ long lasting bubbles.
- ✓ Clings to all surface

	1-7	8+
71006 RTU-BU 1lt	18.15	15.97



EasyCare

- ✓ Kills Bacteria and Fungi
- ✓ Verified to kill SARS-CoV-2 virus on contact
- ✓ Kills 99.9% of bacteria in 60 seconds or less
- ✓ Effective cleaning action

	1-11	12+
74306 EasyCare 600ml	13.54	11.92



EasyFoam

- ✓ Easy to use aerosol
- ✓ Foaming action
- ✓ Ideal for removing stubborn dirt
- ✓ Perfect for deep multi row condensers

	1-11	12+
74406 EasyFoam 600ml	13.54	11.92



EasyClean

- ✓ Suitable for both Evaporators and Condensers
- ✓ Easy to use aerosol
- ✓ Attacks the dirt not the coil
- ✓ Ideal for regular maintenance

	1-11	12+
74506 EasyClean 600ml	13.54	11.92



EasyCoat

An acrylic coating designed to guard coils against corrosive environmental factors such as acid rain, saline atmospheres and airborne ammonia.

	1-11	12+
74806 EasyCoat 600ml	13.54	11.92

EasyFinish



EasyFinish™ is a diffuser and case cleaner specially formulated to remove nicotine, grease and general grime, allowing engineers to leave everything clean and tidy.

	1-11	12+
74606 EasyFinish 600ml	13.54	11.92

AdvancedGel

Unrivalled cleaning performance - in the most concentrated pack on the market.

These 490 ml gel concentrate pouches make a full 8 litres of cleaner at the correct concentration for maximum effectiveness.

ECD Evaporator Cleaner & Disinfectant



- ✓ Kills 99.9% of odour producing bacteria
- ✓ Powerful cleaning action will remove bacteria, dirt, slime and mould
- ✓ Improves energy efficiency of unit

170106 ECD Gel pack 490ml	27.76
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CC Condenser Cleaner



- ✓ Cleans even the most stubborn baked-on deposits
- ✓ Leaves coils clean and visibly brighter
- ✓ Safe to use on aluminium or copper coils

170006 CC Gel pack 490ml	27.76
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UC Universal Coil Cleaner



- ✓ Powerful & effective cleaning against common dirt, including dust, lint & grease
- ✓ Biodegradable and environmentally friendly
- ✓ Improves energy efficiency of unit

170206 UC Gel pack 490ml	27.98
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DU Condensate Drain Unblocker



- ✓ The heavy-duty formula will clear organic and inorganic blockages
- ✓ Heavier than water, it will sink and find the blockage
- ✓ Safe to use with condensate pumps

170306 DU Gel pack 490ml	28.94
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IMC Ice Machine Cleaner



- ✓ Clears heavy limescale and slime deposits
- ✓ Nickel and aluminium safe - suitable for all ice machines
- ✓ Colour indicator ensures product is completely flushed

170406 IMC Gel pack 490ml	27.76
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VerteX

VerteX™ is a Neutral pH adaptive cleaner. Its unique formulation is perfect for use in almost any maintenance scenario – both indoors or outdoors.



- ✓ Suitable for Evaporators, Condensers and filters
- ✓ Ideal for micro channel coils
- ✓ Will not damage or etch coil surface

1-3 4+

158906	VerteX 5lt	55.53	48.87
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Easy Fresh

Odour Neutraliser For Ac Systems



- ✓ Specifically designed for air conditioning units
- ✓ Eliminates odours
- ✓ Produces a long-lasting fresh scent

1-11 12+

169006	EasyFresh 400ml	16.40	14.43
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HeatClean RTU

HeatClean RTU is designed to efficiently and effectively clean Heat Pump Condensers



- ✓ Nature-based and 100% biodegradable.
- ✓ Made from organic salts derived from natural materials
- ✓ Dissolves and removes dirt to extensively improve thermal properties of Heat Pumps

1-11 12+

189606	HeatCleanRTU1lt	18.92	16.65
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Condencide Coil Cleaner

Alkaline Evaporator Cleaner & Disinfectant



- ✓ Verified to kill the SARS-CoV-2 virus on contact
- ✓ Kills 99.9% of bacteria in 60 seconds or less
- ✗ Local delivery or collection only

1-3 4+

28306	Condencide 5lt	57.82	50.88
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OdourGuard RTU

A general purpose, 360° protection against odour and unpleasant smell from HVAC equipment. This odour-absorbing formula eliminates odours and noxious smells. Removes general odour, cigarette smoke, sweaty gym smells, pet odour, commercial kitchen smells trapped in air handling units.



1-11 12+

180106	OdourGuard RTU 1 lt	18.15	15.97
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Ice'n'Clean Ice Machine Cleaner



- ✓ Clears heavy limescale and slime deposits
- ✓ Nickel and aluminium safe - suitable for all ice machines
- ✓ Colour indicator ensures product is completely flushed
- ✓ New odourless formula



162006	Ice 'n' Clean 250 ml	5.42
161606	Ice 'n' Clean 1 lt	16.89
161706	Ice 'n' Clean 5 lt	55.20

EnviroCoil



- ✓ Concentrate makes 25-45 lt
- ✓ Suitable for both Evaporators and Condensers
- ✓ Biodegradable
- ✓ Pump safe

1-3 4+

61206	EnviroCoil 5lt	50.98	44.86
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Condensate Drain Treatment



- ✓ Single Application
- ✓ Clears Organic Blockages
- ✓ Pump Safe

✗ Local delivery or collection only

1-11 12+

111106	DrainKleen 250ml	6.20	5.46
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Super Clean



- ✓ Concentrate makes 20 lt
- ✓ Very heavy duty
- ✓ Non Acid
- ✓ High foaming
- ✓ Bio Degradable.

✗ Local delivery or collection only

1-3 4+

94406	SuperClean 5 lt	58.12	51.15
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DrainKleen



- ✓ Clears organic blockages
- ✓ Heavier than water - sinks to reach blockage site
- ✓ Pump Safe

✗ Local delivery or collection only

1-3 4+

5 lts			
67106	DrainKleen 5 lt	78.53	69.11

Chemical Sprayers



HydroSprayer range specifically designed for use with Advanced cleaning chemicals. HydroSprayer manual sprayer with 8lt capacity ideal for all Advanced chemicals particularly the Gel packs. HydroSprayer-Elite is a Back pack style rechargeable 12V electric sprayer with 15lt capacity

67206	HydroSprayer 8lt	46.44
168806	HydroSprayer Elite 15lt Powered	139.74



Coil Clean

Universal Coil Cleaner

- ✓ For cleaning evaporators & condensers.
- ✓ Fast acting formula.
- ✓ Fin friendly, removes the dirt and not the metal.
- ✓ 600ml

149806 Universal indoor & outdoor 8.32

G2G Universal

Universal indoor and outdoor coil cleaner

- ✓ Pre Diluted
- ✓ Universal Cleaner
- ✓ Use on Evaporators
- ✓ Use on Condensers

111306 G2G Universal 1lt 17.92



Jally Strips - Tray Microbial Control



184906 Advanced Jally Strips pack 6 19.50

185006 Advanced Jally Strips pack 50 110.00



Coil Care

Indoor Coil Cleaner +Disinfectant

- ✓ Removes bacteria, fungi & viruses.
- ✓ Removes unpleasant odours
- ✓ Improves air quality. Highly effective.
- ✓ 600ml

150006 Coil Cleaner +Disinfectant 7.52

G2G Care

Ready to use evaporator cleaner and disinfectant

- ✓ Evaporator Cleaner
- ✓ S/EN 1276 Bactericide against MRSA, Legionella, Escherichia coli

111506 G2G Care 1lt 16.32



StayClean Drain Tray Tablets

Advanced StayClean tablets part of the Treatment tablets help keep your condensate drain free and prevent unpleasant odour and blockages



111206 Pack 20 Tablets 5.66



Coil Foam

Heavy Duty Condenser Cleaner

- ✓ Foaming condenser cleaner.
- ✓ Effectively removes dirt and grime.
- ✓ Improves system performance
- ✓ 600ml

149906 Foaming Condenser Cleaner 7.52

G2G Foam 1lt

Ready to use foaming condenser cleaner

- ✓ Condenser Cleaner
- ✓ Alkaline based
- ✓ Foaming Action

111406 G2G Foam 1lt 16.32



Diversitech Pro-Treat Drain Treatment



Diversitech Pro-Treat helps prevent builds up of bacteria etc in a/c drain pans

- ✓ pack of 12 x 10g polymer pan pads,
- ✓ long term performance
- ✓ Non Corrosive
- ✓ Non Toxic

112206 ProTreat x 12 13.63



Grease Buster

Solvent Based Cleaner & Degreaser

- ✓ Dissolves grease quickly
- ✓ Rapid drying,
- ✓ Improves system performance, non-flammable and non-conductive
- ✓ 600ml

150106 Grease Buster 11.38

Smell Buster

A unique odour eliminator, not a perfume or a cover-up. It actually removes unpleasant odours from the air. Smell-Buster eliminates odours caused by smoke, mould, mildew.

131406 Smell Buster 1lt 18.21



SmellyJelly Mini

Fragrancing gel. SmellyJelly has been formulated to provide a pleasant fragrance in fan coil and cassette units. Easy to apply

Supplied in cards of 6 mini SmellyJelly tablets



114406 Mixed 1 of each fragrances 9.35

185106 Citrus 9.35

185206 Floral 9.35

185306 Apple 9.35

185606 Orange 9.35

185506 Mountain 9.35

185406 Morning 9.35



Case Clean

Case, Fascia & Glass Cleaner

- ✓ Removes marks from most plastics, metals and glass.
- ✓ Ideal for fan coils, cassette units and boiler cases
- ✓ 600ml

149706 Case Cleaner 7.52

Fresh Coil

Indoor coil cleaner with 1m applicator hose for hard to reach areas.

Enzyme fortified formula breaks down organic odours and blockages

139206 Fresh Coil 355ml 10.06



Frionett Coil Cleaner

A powerful coil cleaner containing an active bactericide that kills Legionella, Listeria & Salmonella and a Fungicide treatment that kills mould, slime and algae. Non corrosive, degreases, disinfects and deodorises.

- ✓ Makes 25 lt
- ✓ active bactericide kills Legionella, Listeria & Salmonella
- ✓ Effective cleaning action
- ✓ Fungicide treatment
- ✓ Non corrosive



5 lts	1-3	4+
127006 Frionett Concentrate	25.70	23.13

A/c Unit Cleaning Covers



Re-useable cleaning covers for use when cleaning indoor air conditioners. Simple to use they stop spills and splashes with all the dirt dust and run off liquids being collected in the cover and draining down into a bucket etc.

TieTite™ Wall unit covers

109106 Units up to 930mm wide	12.85
109206 Units up to 1100mm wide	13.52
Hook Tite™ Cassette Covers	
109506 1000 x 1000mm	17.33

Cleaning Wipes



Bigwipes: pre-impregnated cleaning wipes for hands, tools and surfaces effective on grease, instant grab adhesives, silicone and acrylic sealants, PU foam, oil, tar, and more.

Advanced EasyWipes for effective cleaning hands & surfaces etc. packs of 50

135306 Industrial wipes	6.78
94306 EasyWipe pk 50	5.90

System Leak Sealant

New improved SuperSeal leak sealant for Refrigeration and Air conditioning systems.

Effectively seals small leaks of up to 300 microns. As a rule of thumb leak must be less than 17% of total charge over a 4 week period. Ideal solution for those persistent small leaks that cannot be found using normal methods. Now with Dry-R anti-moisture ingredient eliminates up to 20 drops of water

- ✓ Does not harm compressor or any other system components
- ✓ Will not block capillary tubes or TEV's
- ✓ Seals multiple micro leaks
- ✓ Works with all common refrigerants including R410a
- ✓ Now includes Dry-R additive
- ✓ Includes hose and can adaptor



		to suit system size	1-5	6+
96206	Superseal 1	0 to 5.2 Kw	59.12	56.16
96306	Superseal 2	5.2 to 17.5 Kw	61.91	58.81
96406	Superseal 3	17.5 and over Kw	61.82	58.73

AircoSeal Pro for Cars - A leak sealant range designed to prevent leakage in automotive applications . Helps prevent leaks in rubber parts seals etc. and metal components

		1-5	6+
88806	Seal Pro (inc hose)	32.17	29.05

Airco Breeze for Auto A/c's

Removes harmful bacteria and bad smells from Vehicle A/Cs, leaving a pleasant long lasting Sea Breeze aroma. Comes with long reach application hose



250ml		1-11	12+
89306	Airco Breeze	9.48	8.72

Diversitech Pro Flush

Flushing kit that uses OFN to flush Pro-Flush solvent through the lines using the easy to control trigger injector. One 16oz refill of Pro-Flush can treat up to 150m of pipework and is non flammable and residue free



128706 Pro-Flush™ Kit	176.19
128806 16 oz. Refill	97.63

Acid Test Kits



QwikCheck

A single use acid test kit to be used on an operating system. Works on all refrigerants and oils.

		1-9	10+
83806	QwikCheck	12.60	11.66

Diversitech Acid Test Kits



Single shot kits for checking acid content in oil

132106 Mineral oil	15.21
132206 Polyoester oil	17.00

Wiper Roll

General purpose 2 ply wiper roll ideal for workshop or service van



		1-5	6+
135906	Wipper Roll	4.78	4.06

Aspera / Embraco

R134a LBP

		Hp	cc	
207604	EMIE 30 HER	1/12	2.83	108.37
207704	EMIE 40 HLP	1/10	3.4	113.49
207804	EMIE 65 HER	1/6	5.19	119.91
252304	EMY 3109 Z	1/10	3.97	133.75
209404	EMYE 70 HEP	1/5	5.96	113.94
191004	EMT 22 HLP	1/12	3	90.81
191704	EMT 36 HLP	1/10	3.97	103.00
208404	EMT 43 HLP	1/8	4.85	109.70
130804	EMT 49 HLP	1/6	5.56	104.55
208704	EMT 60 HLP	1/6	6.76	111.35
204604	EGSA 90 HLR	1/5	7.15	116.14
209804	NEK 2116 Z	1/5	7.4	166.65
209704	NEK 1118 Z	1/4	8.4	167.55
131104	NE 1121 Z	1/4	9.27	160.27
209504	NE 2121 Z	1/4	9.27	199.97
190304	NE 2130 Z	1/3	12.11	215.85
209604	NE 2134 Z	1/2	14.28	211.06
221704	NE 2140Z	1/2	16.88	198.38

R134a M/HBP

		Hp	cc	
252804	EM 30 HHR	1/10	3.0	105.88
252904	EM 45 HHR	1/8	3.8	106.93
253004	EM 55 HHR	1/6	4.6	114.81
253104	EM 65 HHR	1/6	5.5	119.85
208304	EMT 37 HDP	1/10	3.40	132.57
208504	EMT 45 HDR	1/8	3.97	127.13
208604	EMT 50 HDP	1/6	4.50	133.26
190404	EMT 6144 Z	1/6	5.20	136.26
209004	EMT 6160 Z	1/5	6.76	139.12
209204	EMT 6170 Z	1/4	7.69	158.27
259804	EGAS 90 HLR	1/4	7.1	136.62
253204	EGAS 100 HLR	1/4	7.9	156.27
259904	FFI 8.5 HAK	1/4	7.2	151.52
253304	FFI 10 HAK	1/3	9.1	174.85
260004	FFI 12 HBK	1/3	11.1	145.04
190604	NEK 6160 Z	1/4	7.28	164.93
190704	NEK 6170 Z	1/4	8.40	167.26
172104	NEK 6187 Z	1/3	10.0	167.67
190804	NEK 6210 Z	3/8	12.12	165.59
190904	NEK 6212 Z	1/2	14.30	174.48
176904	NEK 6214 Z	1/2	16.80	185.58
211004	NEU 6210 Z	3/8	12.12	166.20
211204	NEU 6212 Z	1/2	14.30	165.08
211304	NEU 6214 Z	1/2	16.80	193.45
258304	NJ 6220 ZX	3/4	26.20	391.61
211504	NJ 6220 Z	3/4	26.20	336.57
258404	NJ 6226 ZX	1	34.37	420.44
197404	NJ 6226 Z	1	34.37	379.02
211904	NT 6215 Z	1/2	17.40	243.04
212104	NT 6217 Z	5/8	20.40	265.80
212204	NT 6220 Z	3/4	22.40	307.75

Aspera / Embraco

R404A LBP

		Hp	cc	
207904	EMT 2117 GK	1/5	4.50	150.44
208004	EMT 2121 GK	1/4	5.20	152.22
208104	EMT 2125 GK	1/4	5.96	154.25
208204	EMT 2130 GK	3/8	6.76	159.60
209904	NEK 2121 GK	1/4	5.45	203.31
210004	NEK 2125 GK	1/4	6.20	217.86
210104	NEK 2130 GK	1/3	7.40	158.79
209904	NEK 2121 GK	1/4	5.45	203.31
210004	NEK 2125 GK	1/4	6.20	217.86
210104	NEK 2130 GK	1/3	7.40	158.79
191104	NEK 2134 GK	1/3	8.78	136.41
191204	NEK 2150 GK	1/2	12.12	183.74
191304	NEK 2168 GK	3/4	14.30	260.64
210604	NEU 2140 GK	1/2	8.78	162.04
210704	NEU 2155 GK	1/2	12.12	180.84
210804	NEU 2168 GK	3/4	14.30	221.77
210904	NEU 2178 GK	3/4	16.80	238.88
211604	NT 2168 GK	3/4	14.50	270.23
191404	NT 2178 GK	3/4	17.40	275.81
146404	NT 2180 GK	1	20.40	286.66
211704	NT 2192 GK	1.1	22.40	294.51
211804	NT 2212 GK	1.3	27.80	346.67
191504	NJ 2192 GK-T	1 1/4	22.4	341.56
191604	NJ 2192 GK-V	1 1/4	22.4	388.38
268104	NJ 2192GK +OE	1.2	26.0	404.48
252504	NJ 2192 GJ -T	1.2	26.0	266.45
252604	NJ 2212 GK-T	1 2/3	34.37	379.00
191804	NJ 2212 GK-V	1 1/2	34.37	395.09
268204	NJ2212GK +OE	1 2/3	34.37	434.75
260104	NU 2212 GS -T	1.5	34.37	386.55

(1) +OE = Oil Equalisation Port

R404A M/HBP

		Hp	cc	
208804	EMT 6144 GK	1/5	3.97	135.27
208904	EMT 6152 GK	1/4	4.50	130.94
209104	EMT 6165 GK	1/4	5.20	140.13
210204	NEK 6144 GK	1/4	4.52	163.77
210304	NEK 6165 GK	1/4	6.20	167.24
210404	NEK 6181 GK	1/3	7.28	147.39
192104	NEK 6210 GK	3/8	8.78	150.29
192204	NEK 6213 GK	1/2	12.12	197.01
210504	NEK 6217 GK	5/8	14.30	211.05
211104	NEU 6212 GK	3/8	8.78	155.35
211404	NEU 6215 GK	1/2	12.12	179.38
212004	NT 6217 GK	1/2	12.60	243.74
156204	NT 6220 GK	5/8	14.50	341.29
156804	NT 6222 GK	3/4	17.40	289.21
192304	NT 6224 GK	1	20.44	289.50
192404	NT 6226 GK	1.1	22.40	296.02
192004	NJ 9226 GK	1.1	21.70	346.83
260204	NJ 9226 GS	1.1	21.70	374.96
260304	NJ 9232 GS	1.2	26.20	395.44
146604	NJ 9232 GK	1.2	26.20	337.20
260404	NJ 9238 GS	1.5	32.70	390.94
192704	NJ 9238 GK	1.5	32.70	339.19
192704	NJ 9238 GK	1.5	32.70	339.19

Aspera / Embraco

R600 LBP

		Hp	cc	
215104	EMT 26 CLP	1/10	5.19	89.60
215204	EMT 40 CLP	1/8	7.23	114.48
215304	EMT 46 CLP	1/6	7.96	109.70
215404	EMT 56 CLP	1/5	9.34	148.55
215504	EMYE 70 CLP	1/4	11.14	146.66
215604	EMX 80 CLT	1/4	12.21	135.54

R600 HBP

		Hp	cc	
215704	EMT 45 CDP	1/8	6.78	150.78
215804	EMT 6144 Y	1/5	9.04	141.07
215904	EMT 6160 Y	1/4	11.14	113.68
216004	NEK 6160 Y	1/4	12.11	168.14
216104	NEK 6170 Y	1/4	14.28	158.89

R290 LBP

		Hp	cc	
259104	EM 2X1121 U	1/3	5.54	196.34
216204	EMT 2117 U	1/5	4.50	161.71
216304	EMT 2121 U	1/3	5.56	163.44
216404	EMT 2125 U	1/3	5.96	156.22
216504	EMT 2130 U	1/2	6.76	173.08
216704	NEK 2134 U	1/2	9.99	174.22
216804	NEK 2150 U	1/2	13.54	184.97
217004	NEK 2160 U	3/4	16.80	229.78
216904	NEU 2155 U	1/2	13.54	188.76
217104	NEU 2168 U	3/4	16.80	237.59
259204	NEU 2178 U	1	18.70	275.94
217204	NT 2170 U	3/4	20.44	323.23
217304	NT 2180 U	1	22.37	340.41
217404	NT 2210 U	1	27.80	382.18
259304	NTX 2213 U	1 1/2	33.42	572.76

R290 HBP

		Hp	cc	
217504	EMT 6144 U	1/4	4.50	149.97
217604	EMT 6152 U	1/4	5.19	154.37
217704	EMT 6165 U	1/3	5.96	157.43
259404	NEK 6152 U	1/4	5.44	155.16
259504	NEK 6165 U	1/4	6.20	178.58
217804	NEK 6181 U	1/3	7.28	197.38
218004	NEK 6210 U	1/3	8.77	167.90
218304	NEK 6213 U	1/2	12.11	181.08
218104	NEU 6210 U	1/3	8.77	172.76
218204	NEU 6212 U	1/2	9.99	162.31
218404	NEU 6214 U	3/4	12.11	186.75
218504	NEU 6217 U	3/4	14.28	223.56
259604	NEU 6220 U	3/4	16.80	353.88
218604	NT 6220 U	3/4	17.39	290.37
218704	NT 6222 U	1	20.44	283.33
218804	NT 6224 U	1	22.37	288.95
218904	NT 6230 U	1 1/4	27.80	332.50
259704	NTX 6238 U	1 1/2	33.42	479.52

R134a LBP

		Hp	cc	
256904	L 22 HL	1/20	2.2	126.03
257004	L 30 HL	1/12	3.1	181.44
257104	B 43 H	1/10	4.3	140.15
111304	GD 30 AA	1/12	3.0	114.14
111404	GD 36 AA	1/10	3.6	142.62
111604	GD 40 AB	1/8	4.0	142.00
111704	GL 45 AA	1/8	4.5	162.62
111904	GL 60 AA	1/6	6.0	198.80
112104	GL 80 AA	1/5	8.1	191.55
112204	GL 90 AA	1/4	9.1	205.25
112304	GL 99 AA	1/4	9.9	235.26
193204	GP 14 CB	3/8	14	226.68
112504	GP 14 FB	3/8	14	228.11
193304	GP 16 CB	1/2	16	242.94
141704	GP 16 FB	1/2	16	276.23
166704	GX 21 FB	2/3	21	353.28

R134a M/HBP

		Hp	cc	
263804	B 30 G	3.1	1/10	80.82
263904	B 35 GL	3.5	1/10	87.79
264004	B 38 G	3.8	1/8	90.68
162104	GD 40 MB-D	1/8	4.0	157.92
112904	GL 45 PB	1/6	4.5	157.76
113004	GL 45 TB	1/6	4.5	170.56
113004	GU 45 TG	1/6	4.5	170.56
113104	GL 60 PB	1/5	5.7	162.47
113204	GL 60 TB	1/5	5.7	182.71
113304	GL 80 PB	1/4	7.6	167.43
113404	GL 80 TB	1/4	7.6	181.42
113504	GL 90 PB	1/4	8.8	172.90
113604	GL 90 TB	1/4	8.8	189.86
192804	GL 11 TB	1/3	9.95	169.12
233004	GLY12RAa	1/3	10.7	263.26
113704	GP 12 PB	3/8	12	217.80
113804	GP 12 TB	3/8	12	217.80
122304	GP 14 TB	3/8	14	235.27
144604	GP 16 TB	1/2	16	248.20
144904	GX 18 TB	5/8	18	336.44
150004	GX 21 TB	5/8	21	355.84
150104	GX 23 TB	2/3	23	426.42
114004	GS 26 TB-T	3/4	26	428.21
114104	GS 26 TB-V	3/4	26	445.93
122604	GS 30 TB-V	7/8	30	517.92
114204	GS 34 TB-T	1	34	569.68
114304	GS 34 TB-V	1	34	502.38

R290 LBP

		Hp	cc	
262404	NUT 55 CAc	1/5	5.5	144.18
262504	NUT 60 CAa	1/4	6.0	150.84
262304	NUY 45 LAa	1/5	4.5	139.86
262604	NUY 80 LA_A	1/3	8.10	184.86
262904	NUY 120 NA	3/8	12.50	180.72
262704	NLY 90 LAa	1/3	9.09	155.34
262804	NLY 12 LAa	3/8	10.70	166.14
263004	NPY 14 LAa	1/2	14.32	188.46
263104	NPT 16 LA	1/2	16.15	236.52
263204	NPT 18 LA	1/2	18.0	254.70
263304	NX 23 FBa	7/8	23.20	404.44
263404	NST2 6 NA_T	3/4	25.93	522.54

R290 HBP

		Hp	cc	
261304	NBC 30 RA	1/10	3.10	118.62
261404	NUY 45 RAa	1/5	4.50	144.18
261504	NUY 60 RAa	1/4	6.00	157.86
261604	NUY 80 RAa	1/3	8.10	157.32
261704	NLY 12 RAa	3/8	10.70	168.66
261804	NPY 12 RAa	1/2	12.10	214.20
261904	NPT 14 RA	1/2	14.32	229.86
262004	NPT 16 RA	2/3	16.10	230.94
262104	NX 18 TBa	3/4	18.40	349.56
262204	NX 21 TBa	7/8	20.72	326.16

Capillary Tube Kits



5 sizes cover all applications from 1/8 up to 5 HP pack includes application & selection chart for correct capillary length etc

	Kit	o.d.	i.d.	
102001	BC-1	.081	.031	11.53
102101	BC-2	.093	.040	13.00
104701	BC-3	.093	.052	13.26
104801	BC-4	.125	.064	20.12
104901	BC-5	.071	.028	8.87

Access Fittings



Access fitting with 1/4 Copper charging stub

	1-99	100+	200+	
66201	2.34	1.61	1.32	

R404A LBP

		Hp	cc	
122704	ML 45 FB	1/8	4.5	194.09
122804	ML 60 FB	1/6	5.5	197.14
140604	ML 80 FB	1/4	8.1	208.98
122904	ML 90 FB	1/3	8.8	218.62
263504	MLY 90 LAa	1/3	9.1	135.92
231204	MLY 12 LAa	3/8	10.7	174.00
207304	MPT 12 LA	3/8	12.1	216.00
123004	MP 12 FB	3/8	12	217.64
123104	MP 14 FB	1/2	14	227.14
193104	MPT 14 LA	1/2	14	201.20
263604	MPT16LA	1/2	16.1	189.70
145004	MX 18 FB	5/8	18	419.52
145104	MX 21 FB	2/3	21	399.91
145204	MX 23 FB	1/2	23	410.90
114604	MS 26 FB-T	3/4	26	469.43
123404	MS 26 FB-V	3/4	26	257.54
114704	MS 34 FB-T	1	34	526.46
123704	MS 34 FB-V	1	34	486.43

R404A M/HBP

		Hp	cc	
123804	ML40TB	1/6	4.0	107.27
123904	ML 45 TB	1/5	4.5	158.82
124004	ML 60 TB	1/4	5.7	170.32
124104	ML 80 TB	3/8	7.6	205.99
263704	MLY80RAa	1/3	8.1	145.57
124204	ML 90 TB	3/8	8.8	194.70
204404	MPT 12 RA	1/2	12.1	182.27
193104	MPT 14 LA	1/2	14	201.20
207504	MPT14 RA	5/8	14.3	187.87
150404	MX 16 TB	5/8	16	354.02
124504	MX 18 TB-T	3/4	18	363.51
149604	MX 21 TB	7/8	21	400.35
193004	MS 22 TB-V	1	21.75	419.01
124904	MS 26 TB -T	1	26	371.35
125004	MS 26 TB-V	1	26	428.68
144204	MS 34 TB-T	1 5/8	34	491.44
144304	MS 34 TB-V	1 5/8	34	443.23

Copper Spun Driers



XH7 desiccant suits most gases

Tube / capillary	1-9	10+
95701 10g 1/4"	1.98	1.78
84001 15g 3/16"	2.00	1.80
59001 15g 1/4"	2.15	1.94
97301 20g 1/4"	3.00	2.70
Tube / Tube		
95801 20g 1/4" X 1/4"		2.85

i Connection types

-T = Tube - solder tube connection to all ports
-V = Rotalock valve connection on suction port

Secop



Secop



Secop



R290 LBP

		Hp	cc	
254004	TL 5 CN	1/5	5.08	160.40
254104	NL 7 CN	1/3	7.27	189.54
254204	NL 9 CN	3/8	8.35	170.88
254304	NLE 11 CNL	1/2	11.15	203.80
254404	NLE 12.6 CNL	1/2	12.55	218.24
254504	SC 12 CNX.2	1/2	12.87	225.00
254604	SC 15 CNX.2	5/8	15.28	258.97
254704	SC 18 CNX.2	3/4	17.69	244.52
254804	SC 21 CNX.2	1	20.95	306.22

R404A LBP

		Hp	cc	
265204	TL4CL	1/6	3.86	120.69
265304	TL4.5CLX	1/6	4.63	117.90
205904	FR6CL	1/5	6.23	175.35
206004	FR7.5CL	1/4	6.93	152.30
206104	FR8.5CL	1/4	7.95	155.45
265404	NL7CLX	1/4	7.27	146.27
265504	NL8.4CLX	1/4	8.35	154.24
265704	SC10CLX	1/3	10.29	207.81
265604	SC10CL	1/3	10.29	200.25
206204	SC12CL	3/8	12.87	178.16
265804	SC15CLX.2	1/2	15.28	261.47
206304	SC15CL	1/2	15.28	248.99
253804	SC18CLX.2	5/8	17.68	255.25
206404	SC18CL	5/8	17.69	242.58
206504	SC21CL	7/8	20.95	267.30
265904	GS26CLX	1.2	26.30	462.76

R600 LBP

		Hp	cc	
254904	TLES 4.8 KK.3	1/10	4.8	87.12
255004	TLES 5.7 KK.3	1/8	5.7	169.45
255104	TLES 6.5 KK.3	1/7	6.5	170.60
255204	TLES 7.5 KK.3	1/6	7.5	88.07
255304	TLES 8.7 KK.3	1/5	8.7	105.08
255404	HMK 95 AA	1/5	9.5	119.14
232104	HMK 12 AA	1/4	12.0	119.00
255504	NLX 13 KK.3	1/3	13.0	108.36
255604	NLX 15 KK.3	1/3	15.0	173.24

R404A M/HBP

		Hp	cc	
264504	NL6.1MLX	1/5	6.13	433.82
264604	FR 6 DL	1/4	6.23	134.26
264704	NF 7 MLX	1/4	7.27	175.59
238904	SC 10 MLX	1/3	10.29	187.59
206604	SC 12 MLX	1/2	12.87	232.33
206804	SC 15 MLX	5/8	15.28	199.20
264804	SC 18 MLX.3	3/4	17.68	269.39
207004	SC 18 MLX	3/4	17.68	279.98
264904	GS 21 MLX	1	21.20	459.05
265004	GS 26 MLX	1.2	26.30	513.00
265104	GS 34 MLX	1.5	33.80	450.65

R134a M/HBP

		Hp	cc	
204704	TL 4 G	1/8	3.8	127.52
204804	TL 5 G	1/6	5.1	117.26
266004	NL6.1MF	1/5	6.13	141.52
239104	NL 7.3 MF	1/5	6.93	158.11
234004	NL 8.4 MF	1/4	8.35	139.89
266104	NL 10 MF	1/3	10.1	136.44
266204	NL 11 MF	1/3	13.1	156.91
204904	FR 6 G	1/5	6.23	155.02
205004	FR 7.5 G	1/5	6.93	140.22
205104	FR 8.5 G	1/4	7.95	126.27
205204	FR 10 G	1/4	9.05	159.99
205304	FR 11 G	1/3	11.15	160.69
205404	SC 10 G	1/3	10.29	208.19
205504	SC 12 G	1/3	12.87	198.96
266304	SC 15 MFX	3/8	14.8	202.54
205604	SC 15 G	3/8	15.28	186.32
266404	SC 18 MFX	1/2	18.6	239.26
205704	SC 18 G	1/2	17.69	216.49
266504	SC 21 MFX	5/8	23.6	300.28
205804	SC 21 G	5/8	20.95	234.97
266604	GS 26 MFX	3/4	26.3	462.76
266704	GS 34 MFX	1	33.8	541.94

Model Not Listed ?

For Makes & models not listed please ring for availability or match

Line Tap Valves



		1-11	12+
120701	1/4"	5.01	4.06
120801	Control Valve		14.80

Supco Universal Relays

Solid state relays to fit all compressor from 1/12 to 1/2 HP can be used with capacitor start compressors.



PO230 push on relay mounts directly onto terminal pins

2505	PO230	6.53
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ICG220
Relay with fly leads

47905	ICG220	5.16
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Supco Universal Relays

Solid state relay and overload combinations to replace existing electric's on compressors up to 2/3 HP



RO Series

With fly leads for ease of fitting

2405	RO82 1/12- 1/8 hp	12.26
2305	RO62 1/5 & 1/6 hp	12.26
2205	RO42 1/4 & 1/3 hp	12.26

Supco Universal Relays



PRO Series
Push straight onto compressor terminals

86905	PRO82 1/12- 1/8 hp	13.55
86805	PRO62 1/5 & 1/6 hp	13.55
86705	PRO42 1/4 & 1/3 hp	13.55
101205	PRO22 1/2 & 2/3 hp	13.55

Danfoss Relays



Original replacement relays for Danfoss compressors

48105	103 N0011	13.99
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Universal Potential Relays



SUPR Universal replacement for all potential relays Suits all compressors up to 5 HP

20306	SUPR relay	38.82
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APR5 Adjustable pick up voltage. Built in time safe

25006	APR5	32.49
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Tecumseh



R134a LBP

		Hp	cc	
219004	THB 4410 YFZ	1/10	2.7	136.62
219104	THB 4413 YFZ	1/8	3.6	139.06
219204	THB 4415 YFZ	1/8	4.2	141.67
219304	THB 4419 YFZ	1/6	5.2	143.61
219404	THB 4422 YFZ	1/5	6.1	164.27
219504	AE 4425 Y	6.7	1/5	147.89
219604	AE 4430 Y	8.0	1/4	160.11
219704	AE 4440 Y	10.3	1/3	150.01
219804	AE 4450 Y	13.2	3/8	161.49
219904	AE 4456 Y	14.5	1/2	180.52
220004	AE 4460 Y	15.1	1/2	279.62
220104	CAJ 4461 Y -V	18.3	1/2	337.83
220304	CAJ 4476 Y -V	21.8	5/8	335.23
220204	CAJ 4476 Y -T	21.8	5/8	304.16
220404	CAJ 4492 Y -T	26.0	3/4	353.55
220504	CAJ 4492 Y -V	26.0	3/4	360.80
220704	CAJ 4511 Y -V	32.7	1	413.46
220604	CAJ 4511 Y -T	32.7	1	398.31
220804	TAJ 4492 Y -V	26.0	3/4	377.83
221004	TAJ 4511 Y -V	32.7	1	468.22
220904	TAJ 4511 Y -T	32.7	1	411.05

Tecumseh



R404A LBP

		Hp	cc	
212304	AE 2415 Z	1/3	7.3	153.46
212404	AE 2420 Z	3/8	9.4	157.55
239004	AE 1420 Z	3/8	9.4	232.38
212504	AE 2425 Z	1/2	12	180.72
204304	AE 2425 Z	1/2	12	180.72
212704	CAJ 2428 Z -T	5/8	15.2	273.76
212604	CAJ 2428 Z -V	5/8	15.2	272.18
212804	CAJ 2432 Z -V	3/4	18.3	314.65
212904	CAJ 2432 Z -T	3/4	18.3	312.35
213004	CAJ 2440 Z -T	1	22.8	338.31
266804	CAJ 2440 Z -V	1	22.8	342.94
213204	CAJ 2446 Z -T	1.2	26.1	331.48
213104	CAJ 2446 Z -V	1.5	34.4	344.96
213404	CAJ 2464 Z -T	1.5	34.4	320.09
213304	CAJ 2464 Z -V	1.5	34.4	364.58
6004	TAJ 2446 Z -V	1.2	26.1	354.01
266904	TAJ 2446 Z -T	1.2	26.1	385.49
213604	TAJ 2464 Z -T	1.5	34.4	434.53
213504	TAJ 2464 Z -V	1.5	34.4	325.42
267004	FH 2480 Z -V	2	53.20	808.36
267304	FH 2511 Z -T	3	74.25	829.67
267404	FH 2511 Z -V	3	74.25	956.57
267104	TFH 2480 Z -T	2	53.20	602.68
267204	TFH 2480 Z -V	2	53.20	652.55
267504	TFH 2511 Z -T	3	74.25	610.00
267604	TFH 2511 Z -V	3	74.25	694.22

Tecumseh



R404A HBP

		Hp	cc	
213704	AE 4425 Z	1/5	4.2	164.25
213804	AE 4430 Z	1/4	5.2	141.33
213904	AE 4440 Z	1/3	6.7	154.80
214004	AE 4450 Z	3/8	8.8	206.29
214104	AE 4460 Z	1/2	10.3	201.36
214204	AE 4470 Z	1/2	12	218.40
214604	CAJ 9510 Z -T	1	18.3	346.91
214504	CAJ 9510 Z -V	1	18.3	317.47
214804	CAJ 9513 Z -T	1.1	24.2	378.70
214704	CAJ 9513 Z -V	1.1	24.2	383.56
252704	CAJ 4517 Z -T	1.2	25.9	403.02
214904	CAJ 4517 Z -V	1.2	25.9	368.85
252404	CAJ 4519 Z -T	1.5	34.4	454.72
215004	CAJ 4519 Z -V	1.5	34.4	385.64
214304	CAJ 9480 Z -T	5/8	15.2	403.72
214404	CAJ 9480 Z -V	5/8	15.2	346.21
258604	TAJ 9510 Z -V	1	18.3	397.89
258704	TAJ 9513 Z -V	1.1	24.2	434.34
258804	TAJ 4517 Z -V	1.2	25.9	437.11
258904	TAJ 4519 Z -T	1.5	34.4	454.19
259004	TAJ 4519 Z -V	1.5	34.4	450.05
258504	TAJ 9580 Z -V	5/8	15.2	416.09

i Connection types

-T = Tube - solder tube connection to all ports
 -V = Rotolock valve connection on suction port

Line Tap Valves



Supco Multi Size Bullet Valves
 BPV31

BPV31		1-11	12+
91301	BPV31 1/4, 5/16 & 3/8	4.42	3.58
102201	BPV21 1/2 & 5/8	5.65	4.58

3ARR3 Potential Relays



General purpose 3ARR3 type relays

3/4 - 1 HP
 (pick up 299-327v drop out -100v)
36807 AM A3D3 16.89

3/4 - 2 HP
 (pick up 280-309v drop out 55-100v)
19507 AM A3C2 16.89

11/2 - 5 HP
 (pick up 295-324v drop out 60-135v)
23507 AM A4D3 16.89

Relay / Capacitor / Overloads Hard Start Kits



RCO Series Relay overload & capacitor combination for all capillary systems ideal help for poor starting.

32505	RCO82 1/12- 1/8 hp	22.20
32405	RCO62 1/5 & 1/6 hp	24.08
32305	RCO42 1/4 & 1/3 hp	22.20
101305	RCO22 1/2 & 2/3 hp	22.20



Hard Start Kits for All PSC A/C Compressors from 1/2 to 10 HP. These kits increase the starting torque by up to 690% . (no capacitor fitted to SPP model)

Model	Boost
88705	SPP 250% 8.42
94505	SPP5 300% 12.07
89005	SPP6 500% 21.33
88805	SPP7S 600% 28.04
88905	SPP8 690% 43.48

Universal Electrics Sets

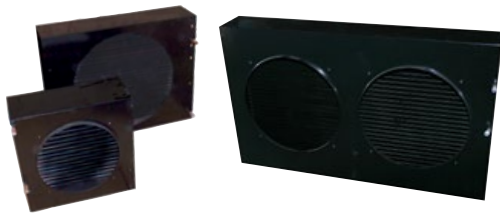


Universal compressor electronics sets.
 Complete compressor electronics boxes, with Start & Run capacitors plus potential relay.
 Suitable for compressors from 3/4 to 2 1/2 hp

176004	3/4 HP	53.06
176104	1.0 HP	45.00
176204	1.5 HP	49.96
176304	2.0 HP	55.60
176404	2.5 HP	60.23

Replacement Condensers

Replacement Condensers to suit Prestcold



A range of exact replacement condensers to fit Prestcold units.

	Application	L	H	D	rows	fan aperture	
AS75	AS75	390	370	150	4	-	150.00
AS100	AS100/150	560	550	150	2	1 x 390	325.00
AS200	AS200/300	560	560	220	4	1 x 390	575.00
AS375	AS375				5		359.00
AS750	AS 750/1000	910	710	220	4	1 x 610	1051.00
13506	A2	500	440	130	2	1 x 360	375.00
135606	A3	500	445	130	3	1 x 360	538.84
65706	B1	710	470	145	2	1 x 390	484.00
65806	B2	710	470	145	3	1 x 390	567.22
65906	B4	710	785	190	3	1 x 500	888.50
135706	B6	910	740	125	5	-	865.00
66006	C1	975	635	145	2	2 x 400	539.00
66106	C2	975	635	145	3	2 x 390	843.68
66206	D1	1320	790	190	2	2 x 500	1110.32
66306	D2	1320	790	190	3	2 x 500	1203.33
135806	H8	680	495	200	3	1 x 450	457.00

Universal Unit Housing's



Dimensions in mm

Small	height	width	depth
External	500	710	600
Internal	410	640	530

High quality steel unit housing's with ivory powder coated finish
Supplied flat packed

Large

External	550	810	720
Internal	460	740	640

96706	C	Small	275.27
96806	D	Large	317.60

Cubigel Unit Housing's

Basic weatherproof housings to suit the Cubigel range of condensing units.

Supplied flat packed



Dimensions in mm

	height	width	depth
T2 basic	550	390	350
T3 basic	550	485	390

89004	A	T2 housing	169.15
89104	B	T3 housing	228.65

Cubigel Condensing Units

Cubigel condensing units offer good value, good reliability with excellent duty ratings.



Opteon™ XP40 R-449A

Due to the phase out R404 we recommend using XP40 in place of R404 in new systems

R404A / XP40 Medium / High Back Pressure

Evaporating Temperature (°C) / Duty in w R404 ambient 35 °C

	Model	Hp	+0°C	-5°C		Housing
129704	CML 90 TB3	3/8	1062	913	379.08	A
129804	CMP 12 TB3	1/2	1492	1279	516.56	B
129904	CMP 14 TB3	5/8	1614	1387	554.09	B
130004	CMX 18 TB3	3/4	1877	1648	634.00	B
130104	CMX 21 TB3	7/8	2107	1798	708.77	D
130204	CMS 26 TB3	1	3023	2612	815.99	D
132704	CMS 34 TB3	1 5/8	3985	3480	842.22	D

R134 Medium / High Back Pressure

Evaporating Temperature (°C) / Duty in w R134 ambient 35 °C

	Model	Hp	+0°C	-5°C		Housing
115604	CGP 14 TB3	1/2	941	777	415.32	A
115704	CGX 18 TB3	5/8	1292	1057	594.63	A
116504	CGX 23 TB3	2/3	1531	1291	589.15	B
115804	CGS 26 TB3	3/4	1845	1540	546.47	B
116604	CGS 30 TB3	7/8	2199	1808	658.22	B
115904	CGS 34 TB3	1	2381	1989	693.71	B

R404A / XP40 Low Back Pressure

Evaporating Temperature (°C) / Duty in w R404 ambient 35 °C

	Model	Hp	-25°C	-30°C		Housing
128304	CMP 14 FB3	1/2	588	470	409.21	A
125604	CMX 18 FB3	5/8	774	620	587.25	A
125704	CMX 23 FB3	2/3	1158	983	595.43	A
125804	CMS 26 FB3	3/4	1313	1003	621.57	B
125904	CMS 30 FB3	7/8	1435	1148	646.54	B
126004	CMS 34 FB3	1	1540	1231	672.42	B

Oil pumps

Refco oil charging pump for adding oil to systems without pumping down system.

Fits on to most standard 4 / 5 lt oil cans

116002	21702 pump	137.68
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1.5 Litre suction oil extractor pump and container.

Great for compressor oil changes

161802	Oil Extractor	16.29
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Evaporators

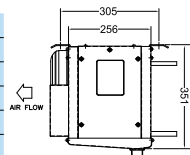
Univap TD0 Coolers

The Univap TD0 range of coolers offer exceptional value for money for smaller applications and come fitted with defrost heaters as standard. These compact coolers are ideal for applications where space is limited. Supplied with 6mm fin spacing and electric defrost as standard they are suitable for a wide range of chiller and freezer applications

TDM Coolers 6 mm Fin spacing

Model	Duty W *	L	W	H	Fans x Ø	Electric Defrost
TD015M	917	838	256	351	2 x 250	100303 434.58
TD020M	1270	838	256	351	2 x 250	100403 474.53
TD030M	1885	1138	256	351	3 x 250	100503 624.37
TD040M	2152	1258	256	351	3 x 250	100603 699.31
TD045M	2459	1408	256	351	4 x 250	100703 772.22
TD050M	2869	1608	256	351	4 x 250	100803 822.19

* duty in W evap @ -6 °C with 6 °KTD R404



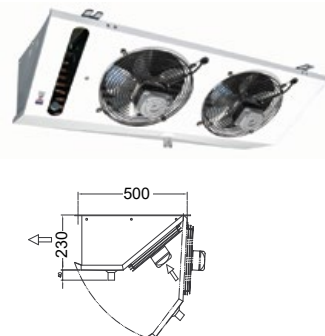
Univap MA Coolers

The Univap MA range of compact angled ceiling mounted coolers for smaller applications where height is restricted. 250mm fans and 5.5mm fin spacing across the range

MA Coolers 5.5 mm Fin Spacing 7.5m Air Throw

Model	Duty W *	L	W	H	Fans x Ø	Natural Defrost	Defrost Heater Kit
MA 1 **	714	600	500	230	1 X 250	81203 225.85	82103 124.69
MA 2 **	821	600	500	230	1 X 250	81303 249.14	82103 124.69
MA 3	1451	975	500	230	2 X 250	81403 426.43	82203 140.03
MA 4	1696	975	500	230	2 X 250	81503 461.51	82203 140.03
MA 5	2188	1335	500	230	3 X 250	81603 621.29	82303 219.76
MA 6	2571	1335	500	230	3 X 250	81703 652.77	82303 219.76
MA 7	2925	1700	500	230	4 X 250	81803 810.56	82403 250.41
MA 8	3416	1700	500	230	4 X 250	81903 856.65	82403 250.41

* duty in W evap @ -6 °C with 6 °KTD R404 ** internal TEV



Univap CSD35 Coolers

The Univap CSD35 range of quality unit coolers with defrost heaters & pre fitted TEV's as standard. Fitted with 350mm fans giving high air flow plus air throw can be extended further using optional air straightener's.

✓ Fitted TEV ✓ Electric Defrost ✓ 350mm Low noise Ziehl-Abegg fan motor assemblies

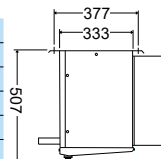
CSD Coolers 6 mm Fin spacing

Model	Duty W *	L	W	H	Fans x Ø	Electric Defrost
CSD35-020	1990	885	333	507	1 x 350	83803 1008.06
CSD35-030	3065	885	333	507	1 x 350	83903 1173.07
CSD35-040	4086	1435	333	507	2 x 350	84003 1577.49
CSD35-050	5171	1435	333	507	2 x 350	84103 1750.58
CSD35-075	6243	1435	333	507	2 x 350	84203 1865.49
CSD35-100	9438	1985	333	507	3 x 350	84303 2558.74

* duty in W evap @ -6 °C with 6 °KTD R404



Shown with optional air straightener's



Cut To Length Heater Tape

Drain Line Heater Tapes

12mm Nylon Studding

Cooler Drain Connectors



FreezeGuard cut to length self regulating heater tape

240v 16 w per metre

8406 per m 7.18

Termination Kits

8406/TERM each 9.10



240v ready made heater tapes
All sizes have a 1m cold tail

20506	1m	40w	21.65
19606	2m	80w	23.93
19706	3m	120w	28.36
20406	4m	160w	30.52
111706	5m	200w	31.45
40006	6m	240w	37.26



55306	Coach Bolt	4.04
7906	1m studding	7.10
7806	Nut / Washer	0.37

Defrost Termination

Bi metallic kilxon's for defrost termination close -3 °C open +10 °C

37405 kilxon 14.65

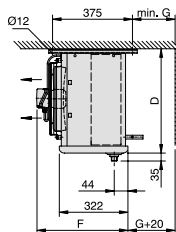


3/4 female FPT to 3/4 hose connector for use with most coolers



68806	Straight connector	5.57
68706/M	3/4 hose per m	2.54

Roller FHV Unit Coolers



Top quality German made premium coolers by Roller offer superb build quality, high efficiency. Features include heavy duty 0.3mm fins, stainless steel mounting rails, heavy duty powder coated casings.

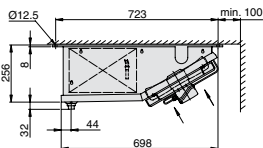
Special order options include corrosion protection and textile sock adaptors on FHV models

Roller FHV Unit Coolers						Natural Defrost FHV		Electric Defrost FHV	
Model	Duty W *	L	W	H	Fans x Ø	code	£	code	£
FHV 401*	1180	702	430	350	1 x 254	66503	692.25	64303	888.66
FHV 402	2280	1094	430	350	2 x 254	64903	962.72	64503	1167.68
FHV 411	1640	702	430	460	1 x 300	64703	809.05	64403	1008.80
FHV 412	3340	1094	430	460	2 x 300	64803	1255.33	64603	1457.16
FHV 413	5040	1486	430	460	3 x 300	66903	1598.05	67003	1960.59
FHV 414	6830	1878	430	460	4 x 300	67103	2127.30	67203	2411.71
FHV 421	4490	1094	460	600	1 x 450	70303	1505.99	72203	1674.20
FHV 422	9170	1878	460	600	2 x 450	70403	2283.00	72303	2556.68
FHV 423	12930	2662	460	600	3 x 450	70503	3200.52	72403	3472.12

FHV 601	990	702	430	350	1 x 254	67303	605.90	67403	776.83
FHV 602	1910	1094	430	350	2 x 254	67503	865.26	64203	1018.22
FHV 611	1380	702	430	460	1 x 300	68003	761.03	64103	945.13
FHV 612	2810	1094	430	460	2 x 300	68103	1144.19	68203	1345.33
FHV 613	4230	1486	430	460	3 x 300	68303	1475.80	68403	1714.80
FHV 614	5740	1878	430	460	4 x 300	65103	1848.89	68503	2109.94
FHV 621	3770	1094	460	600	1 x 450	70803	1363.00	72703	1622.74
FHV 622	7710	1878	460	600	2 x 450	70903	2189.31	72803	2461.89
FHV 623	10870	2662	460	600	3 x 450	71003	3047.97	72903	3293.11

* R449A **Internal TEV

Roller DLK Panel Coolers



Roller DLK Panel Coolers						Natural Defrost DLK		Electric Defrost DLKT	
Model	Duty W *	L	W	H	Fans x Ø	code	£	code	£
DLK 431 **	1120	860	497	246	1 x 250	74903	553.99	75303	661.97
DLK 412	1660	1062	497	246	2 x 250	75003	626.16	75403	765.54
DLK 432	2280	1462	497	246	2 x 250	75103	880.03	75503	1031.58
DLK 413	2650	1462	497	246	3 x 250	85903	1072.06	86103	1218.27
DLK 433	3420	2063	497	246	3 x 250	86203	1229.06	86303	1376.70

DLK 631 **	960	860	497	246	1 x 250	75703	544.45	76003	653.40
DLK 612	1360	1062	497	246	2 x 250	75803	616.64	76103	758.76
DLK 632	1950	1462	497	246	2 x 250	75903	866.63	76203	1019.29
DLK 613	2260	1462	497	246	3 x 250	86403	1070.44	86503	1178.45
DLK 633	2850	2063	497	246	3 x 250	86603	1218.27	86703	1371.05

* R449A **Internal TEV

Universal Defrost Heater Elements

A range of universal defrost heater elements ideal for coolers etc. 8.5mm diameter with 550 mm wire terminations.

The rods can also be bent to shape using a suitable bender.



Length	W	
133606	810	400 22.55
133706	1310	750 24.44
133806	1810	1250 30.00

Defrost Heater Elements FHV Range Coolers

	Heater Number	w	Fits cooler Model	each
84603	ST 1280 U140	440	FHVT 401 / 411 / 601 / 611	111.12
84703	ST 2060 U140	730	FHVT 402 / 412 / 421 / 602 / 612 / 621	154.83
84803	ST 2840 U140	1030	FHVT 413 / 613	176.69
84903	ST 3610 U140	1310	FHVT 414 / 422 / 614 / 622	202.19
85103	ST 5170 U140	1890	FHVT 423 / 623	238.62

Defrost Heater Elements FHV Range Coolers

	Heater Number	w	Fits cooler Model	each
85203	ST 1200 U 70	400	DLKT 411 / 421 / 601 / 611	107.47
85303	ST 1590 U 70	550	DLKT 421 / 431 / 621 / 631	137.54
85403	ST 1991 U 70	700	DLKT 412 / 612	150.29
85503	ST 2790 U 70	1000	DLKT 432 / 413 / 632 / 613	175.79
85603	ST 3981 U 70	1450	DLKT 433 / 633	212.23
85703	ST 3570 U 70	1300	DLKT 414 / 614	242.37

KD Cellar Systems

KD Cellar Star cellar systems provide an efficient packaged cellar system based on low noise outdoor units matched with tradition style indoor units fitted with industry standard expansion valves. The TEV allows for longer pipe runs with minimal duty loss.

- ✓ 3 Year Warranty
- ✓ 25m pipe run capability for total flexibility
- ✓ Ease of installation keeps costs and time to a minimum
- ✓ Low noise suitable for residential areas
- ✓ Operates down to 4°C*
- ✓ Electronic controller as standard


3 YEAR
WARRANTY

R410

KD Cellar Star Systems

Above ground Max m³	Below ground Max m³
45	55
57	90
70	120
120	155

Kw Duty @ room temperature				
4°C	8°C	10°C	12.7°C	16°C
2.90	3.32	3.46	3.83	4.08
3.81	4.34	4.50	4.94	5.24
4.39	4.07	5.20	5.74	6.11
5.88	6.75	6.91	7.59	8.04

pipe size	Fuse Rating	Limits max (m)	
		Run	Rise
1/4 x 1/2	16 A	25	8
1/4 x 1/2	20 A	25	8
1/4 x 5/8	25 A	25	8
3/8 x 5/8	25 A	25	8

J & E Hall Cellar Systems

The JCC cellar systems provide a easy to install easy to maintain packaged system at a very competitive price. Using rotary compressors these units are also very quiet with a small footprint making them ideal for an unobtrusive installation.

The JCC cellar coolers are now fitted with standard electronic controllers across the range that operate down to 4°C Coils are manufactured to 6 fins per inch brewery specification and the indoor units are manufactured in powder coated mild steel for ease of cleaning.

Please note the new JCC3 range are NOT pre charged

- ✓ 3 Year Warranty
- ✓ Brewery specification 6 fins per inch evaporator coils
- ✓ Electronic controller
- ✓ Traditional Style cooler with TEV
- ✓ Can operate down to +4°C and up to +16°C
- ✓ Suitable for cooling beers, wines, flowers, fruit & vegetables etc.
- ✓ Suitable for pipe runs up to 25 metres


3 YEAR
WARRANTY

R448/R449

JCC Cellar Systems

Above ground Max m³	Below ground Max m³
25	45
48	70
65	115

Kw Duty @ room temperature				
4°C	8°C	10°C	12°C	16°C
2.41	2.59	2.67	2.76	2.94
3.47	3.76	3.91	4.06	4.35
4.63	5.10	5.33	5.56	6.03

pipe size	Fuse Rating	Limits max (m)	
		Run	Rise
1/4 x 1/2	16	25	5
1/4 x 1/2	20	25	8
1/4 x 5/8	25	25	8

Rivacold Wall Mounted Units

The Rivacold FT range of wall mounted packaged units are supplied complete with pre fitted wall panel fitting kit for quick and easy installation though the coldroom panel.

All models feature R452a refrigerant and hot gas defrost.



Rivacold Ceiling Mounted Units

The Rivacold SF range of ceiling mounted packaged units are supplied with a remote electrical control panel and are designed to fit directly through the coldroom roof panel.

All models feature R452a refrigerant and hot gas defrost.



FTM Chiller units R452a

Duty @ 0 °C Room temp 32°C ambient

m³	Duty *	Unit	1 ph	£		
5	821	FTM 003	226204	1403.35		
6	975	FTM 006	226304	1436.00		
7	1146	FTM 007	226404	1538.00		
9	1302	FTM 009	226504	1588.00		
10	1420	FTM 012	226604	1671.00		
14	1960	FTM 016	226704	1937.00	3 ph	£
17	2234	FTM 022	226804	2208.00	227204	2147.00
20	2526	FTM 028	226904	2275.00	227304	2212.00
25	2995	FTM 034	227004	2611.00	227404	2540.00
29	3389	FTM 040	227104	2804.00	227504	2726.00

SFM Chiller units R452a

Duty @ 0 °C Room temp 32°C ambient

m³	Duty *	Unit	1 ph	£		
4	753	SFM 003	228704	1789.00		
7	1072	SFM 006	228804	1985.00		
8	1288	SFM 008	228904	2220.00		
11	1619	SFM 009	229004	2230.00		
14	1881	SFM 012	229104	2291.00		
15	1996	SFM 016	229204	2323.00	3 ph	£
19	2442	SFM 022	229304	3336.00	229604	3245.00
25	2961	SFM 034	229404	3393.00	229704	3297.00
42	4464	SFM 054	229504	4255.00	229804	4134.00
53	5354	SFM 068			229904	4693.00

FTL Freezer units R452a

Duty @ -18 °C Room temp 32°C ambient

m³	Duty *	Unit	1 ph	£		
2.6	719	FTL 003	227604	1663.81		
3.6	881	FTL 006	227704	1801.00		
4.5	1027	FTL 009	227804	1816.00		
7.0	1368	FTL 012	227904	1957.00	3 ph	£
9.9	1710	FTL 016	228004	2425.00	228304	2361.00
13.2	2074	FTL 020	228104	2786.00	228404	2746.00
18.1	2544	FTL 024	228204	2961.00	228504	2878.00
20.5	2766	FTL 034			228604	3355.00

SFL Freezer units R452a

Duty @ -18 °C Room temp 32°C ambient

m³	Duty *	Unit	1 ph	£		
2	629	SFL 003	230004	2048.49		
4	964	SFL 006	230104	2204.08		
5	1136	SFL 008	230204	2427.04		
7	1370	SFL 009	230304	2482.83		
8	1547	SFL 012	230404	2998.55	3 ph	£
11	1881	SFL 016	230504	3723.55	230704	3619.54
19	2648	SFL 020	230604	3999.07	230804	3886.05
23	2984	SFL 024			230904	4345.53
34	3824	SFL 034			231004	4362.72
47	4772	SFL 080			231104	5334.80

CT Weatherproof units R452a



Rivacold CT range of weatherproof units has been designed for external installation without additional protection

The electrical panel, placed on one side, is equipped with electronic control protected by a safety door and supplied with electrical connection designed for external use.

CTM Chiller units R452a

Duty @ 0 °C Room temp 32°C ambient

m³	Duty *	Unit	1 ph	£
6	986	CTM 006 G001	237804	2045.00
8	1252	CTM 008 G001	237904	2187.00
13	1759	CTM 016 G001	238004	2626.00
16	2136	CTM 022 G001	238104	2764.00
29	3328	CTM 034 G012	238204	3560.00
35	3904	CTM 046 G012	238304	3641.00

CTL Freezer units R452a

Duty @ -18 °C Room temp 32°C ambient

m³	Duty *	Unit	1 ph	£
6	1285	CTL 012 G011	238404	2814.00
10	1685	CTL 016 G011	238504	2968.00
17	2418	CTL 024 G012	238604	3526.00
22	2912	CTL 034 G012	238704	3858.00
30	3544	CTL 046 G001	238804	4078.00

Optima Cold rooms

The Optima range of cold rooms offers quality with competitive pricing and fast delivery. Features include a locking door handle and mains door heater cable fitted as standard and an option to be supplied without a floor.

- ✓ Walls: 85mm polyurethane
- ✓ Floors: 85mm polyurethane plus 10mm Plywood CBTX coated with non slip resin
- ✓ Mains door heaters fitted as standard to all models
- ✓ Fast delivery most sizes available from stock
- ✓ Other sizes and bespoke rooms available
- ✓ Price includes delivery to most UK mainland sites (surcharge applies to some areas e.g. Scotland)



1770 mm wide

2000 high				
Length	No Floor (2030 high)		With Floor	
	£	Int vol. m3	£	Int vol. m3
970	£1,782	2.49	£1,902	2.34
1370	£1,898	3.73	£2,045	3.51
1570	£2,153	4.36	£2,399	4.10
1770	£2,210	4.98	£2,461	4.68
1970	£2,264	5.60	£2,542	5.27
2170	£2,330	6.22	£2,627	5.86
2370	£2,392	6.85	£2,704	6.44
2570	£2,442	7.47	£2,777	7.03
2770	£2,708	8.09	£3,124	7.61
2970	£2,754	8.71	£3,198	8.20
3170	£2,820	9.34	£3,271	8.78
3370	£2,878	9.96	£3,356	9.37
3570	£2,932	10.58	£3,429	9.96
3770	£2,989	11.20	£3,502	10.54
3970	£3,248	11.83	£3,857	11.13
4170	£3,313	12.45	£3,923	11.71
4370	£3,367	13.07	£3,996	12.30
4570	£3,421	13.69	£4,085	12.88

2200 high				
Length	No Floor (2230 high)		With Floor	
	£	Int vol. m3	£	Int vol. m3
970	£1,825	2.75	£1,960	2.60
1370	£1,944	4.12	£2,114	3.90
1570	£2,210	4.80	£2,465	4.55
1770	£2,264	5.49	£2,542	5.20
1970	£2,330	6.18	£2,623	5.85
2170	£2,395	6.86	£2,708	6.50
2370	£2,449	7.55	£2,785	7.15
2570	£2,511	8.24	£2,851	7.80
2770	£2,781	8.92	£3,221	8.44
2970	£2,835	9.61	£3,290	9.09
3170	£2,901	10.30	£3,371	9.74
3370	£2,955	10.98	£3,464	10.39
3570	£3,016	11.67	£3,529	11.04
3770	£3,078	12.36	£3,603	11.69
3970	£3,340	13.04	£3,965	12.34
4170	£3,402	13.73	£4,031	12.99
4370	£3,468	14.41	£4,112	13.64
4570	£3,522	15.10	£4,201	14.29

2400 high				
Length	No Floor (2430 high)		With Floor	
	£	Int vol. m3	£	Int vol. m3
970	£1,898	3.00	£2,033	2.85
1370	£2,021	4.50	£2,191	4.28
1570	£2,295	5.25	£2,546	5.00
1770	£2,357	6.00	£2,627	5.71
1970	£2,422	6.75	£2,708	6.42
2170	£2,492	7.50	£2,800	7.14
2370	£2,550	8.25	£2,881	7.85
2570	£2,619	9.00	£2,955	8.56
2770	£2,885	9.76	£3,321	9.28
2970	£2,951	10.51	£3,402	9.99
3170	£3,016	11.26	£3,483	10.70
3370	£3,082	12.01	£3,576	11.42
3570	£3,144	12.76	£3,661	12.13
3770	£3,209	13.51	£3,734	12.84
3970	£3,483	14.26	£4,096	13.56
4170	£3,545	15.01	£4,174	14.27
4370	£3,607	15.76	£4,258	14.99
4570	£3,676	16.51	£4,351	15.70

1970 mm wide

Length	No Floor (2030 high)		With Floor	
	£	Int vol. m3	£	Int vol. m3
970	£1,796	2.80	£1,952	2.64
1370	£1,923	4.20	£2,114	3.95
1570	£2,189	4.90	£2,476	4.61
1770	£2,239	5.60	£2,542	5.27
1970	£2,301	6.30	£2,627	5.93
2170	£2,363	7.00	£2,708	6.59
2370	£2,424	7.70	£2,804	7.25
2570	£2,478	8.40	£2,874	7.91
2770	£2,752	9.10	£3,236	8.56
2970	£2,802	9.80	£3,306	9.22
3170	£2,856	10.50	£3,383	9.88
3370	£2,910	11.20	£3,468	10.54
3570	£2,984	11.90	£3,568	11.20
3770	£3,030	12.60	£3,634	11.86
3970	£3,304	13.30	£3,996	12.52
4170	£3,358	14.00	£4,066	13.18
4370	£3,416	14.70	£4,150	13.83
4570	£3,474	15.40	£4,224	14.49

Length	No Floor (2230 high)		With Floor	
	£	Int vol. m3	£	Int vol. m3
970	£1,875	3.09	£2,021	2.92
1370	£2,002	4.63	£2,191	4.38
1570	£2,272	5.41	£2,550	5.12
1770	£2,330	6.18	£2,627	5.85
1970	£2,392	6.95	£2,704	6.58
2170	£2,449	7.72	£2,797	7.31
2370	£2,527	8.49	£2,893	8.04
2570	£2,577	9.27	£2,955	8.77
2770	£2,847	10.04	£3,329	9.50
2970	£2,912	10.81	£3,402	10.23
3170	£2,974	11.58	£3,483	10.96
3370	£3,028	12.36	£3,568	11.69
3570	£3,094	13.13	£3,668	12.42
3770	£3,148	13.90	£3,738	13.15
3970	£3,425	14.67	£4,108	13.89
4170	£3,483	15.44	£4,174	14.62
4370	£3,556	16.22	£4,262	15.35
4570	£3,603	16.99	£4,351	16.08

Length	No Floor (2430 high)		With Floor	
	£	Int vol. m3	£	Int vol. m3
970	£1,948	3.38	£2,095	3.21
1370	£2,087	5.07	£2,257	4.82
1570	£2,361	5.91	£2,635	5.62
1770	£2,422	6.75	£2,716	6.42
1970	£2,492	7.60	£2,797	7.23
2170	£2,550	8.44	£2,893	8.03
2370	£2,627	9.29	£2,989	8.83
2570	£2,681	10.13	£3,067	9.63
2770	£2,974	10.97	£3,437	10.44
2970	£3,028	11.82	£3,514	11.24
3170	£3,090	12.66	£3,599	12.04
3370	£3,151	13.51	£3,684	12.84
3570	£3,229	14.35	£3,799	13.65
3770	£3,286	15.20	£3,869	14.45
3970	£3,572	16.04	£4,251	15.25
4170	£3,630	16.88	£4,316	16.06
4370	£3,695	17.73	£4,409	16.86
4570	£3,761	18.57	£4,497	17.66

Freezer Applications	
Freezer applications require additional fitted PRV valve just add a PRV valve from below based on room size	
PRV for Freezer Rooms	
For rooms up to 20 m3	
PRV1	79.00
For rooms over 20 m3	
PRV2	119.00

Door Sizes
2000mm high rooms
800mm wide x 1830mm high
Rooms 2030mm high and over
800mm wide x 1900mm high

Shelving

We can supply shelving systems in a wide range of configurations to suit your requirements.

Standard range has 3 tiers of 370 mm wide shelves with anodized aluminium frames.

Please contact us for pricing.



	2000 high					2200 high					2400 high				
	No Floor (2030 high)		With Floor			No Floor (2230 high)		With Floor			No Floor (2430 high)		With Floor		
	£	Int vol. m3	£	Int vol. m3		£	Int vol. m3	£	Int vol. m3		£	Int vol. m3	£	Int vol. m3	
2170 mm wide	Length														
	970	£1,879	3.11	£2,021	2.93	£1,940	3.43	£2,099	3.25		£2,018	3.75	£2,156	3.57	
	1370	£2,002	4.67	£2,191	4.39	£2,056	5.15	£2,253	4.87		£2,141	5.63	£2,338	5.35	
	1570	£2,264	5.45	£2,546	5.12	£2,330	6.01	£2,627	5.68		£2,422	6.57	£2,716	6.24	
	1770	£2,326	6.22	£2,631	5.86	£2,392	6.86	£2,716	6.50		£2,492	7.50	£2,800	7.14	
	1970	£2,388	7.00	£2,708	6.59	£2,453	7.72	£2,789	7.31		£2,550	8.44	£2,885	8.03	
	2170	£2,449	7.78	£2,820	7.32	£2,530	8.58	£2,905	8.12		£2,631	9.38	£3,001	8.92	
	2370	£2,511	8.56	£2,893	8.05	£2,584	9.44	£2,982	8.93		£2,696	10.32	£3,082	9.81	
	2570	£2,561	9.34	£2,978	8.78	£2,642	10.30	£3,070	9.74		£2,754	11.26	£3,175	10.70	
	2770	£2,835	10.11	£3,337	9.52	£2,920	11.15	£3,433	10.56		£3,036	12.19	£3,556	11.60	
	2970	£2,901	10.89	£3,421	10.25	£2,982	12.01	£3,518	11.37		£3,105	13.13	£3,641	12.49	
	3170	£2,955	11.67	£3,499	10.98	£3,043	12.87	£3,599	12.18		£3,175	14.07	£3,726	13.38	
	3370	£3,028	12.45	£3,599	11.71	£3,121	13.73	£3,711	12.99		£3,244	15.01	£3,830	14.27	
	3570	£3,082	13.23	£3,680	12.44	£3,175	14.59	£3,796	13.80		£3,313	15.95	£3,915	15.16	
	3770	£3,140	14.00	£3,765	13.18	£3,236	15.44	£3,880	14.62		£3,379	16.88	£4,008	16.06	
2370 mm wide	3970	£3,406	14.78	£4,127	13.91	£3,506	16.30	£4,247	15.43		£3,657	17.82	£4,389	16.95	
	4170	£3,472	15.56	£4,208	14.64	£3,572	17.16	£4,324	16.24		£3,722	18.76	£4,482	17.84	
	4370	£3,529	16.34	£4,293	15.37	£3,637	18.02	£4,409	17.05		£3,799	19.70	£4,567	18.73	
	4570	£3,595	17.12	£4,393	16.10	£3,711	18.88	£4,517	17.86		£3,869	20.64	£4,679	19.62	
	1370	£2,060	5.13	£2,253	4.83	£2,122	5.66	£2,334	5.36		£2,210	6.19	£2,415	5.89	
	1570	£2,334	5.99	£2,627	5.64	£2,395	6.61	£2,704	6.25		£2,496	7.22	£2,797	6.87	
	1770	£2,399	6.85	£2,716	6.44	£2,461	7.55	£2,800	7.15		£2,557	8.25	£2,893	7.85	
	1970	£2,457	7.70	£2,797	7.25	£2,534	8.49	£2,881	8.04		£2,635	9.29	£2,982	8.83	
	2170	£2,534	8.56	£2,912	8.05	£2,608	9.44	£3,001	8.93		£2,716	10.32	£3,094	9.81	
	2370	£2,584	9.41	£2,986	8.86	£2,658	10.38	£3,078	9.83		£2,773	11.35	£3,182	10.79	
	2570	£2,650	10.27	£3,078	9.66	£2,731	11.33	£3,175	10.72		£2,843	12.38	£3,283	11.77	
	2770	£2,920	11.13	£3,441	10.47	£3,001	12.27	£3,545	11.61		£3,124	13.41	£3,664	12.76	
	2970	£2,989	11.98	£3,541	11.27	£3,074	13.21	£3,637	12.50		£3,198	14.45	£3,761	13.74	
	3170	£3,043	12.84	£3,614	12.08	£3,140	14.16	£3,726	13.40		£3,267	15.48	£3,850	14.72	
	3370	£3,121	13.69	£3,726	12.88	£3,217	15.10	£3,830	14.29		£3,340	16.51	£3,965	15.70	
	3570	£3,171	14.55	£3,811	13.69	£3,267	16.04	£3,915	15.18		£3,402	17.54	£4,058	16.68	
	3770	£3,240	15.40	£3,900	14.49	£3,337	16.99	£4,008	16.08		£3,479	18.57	£4,154	17.66	
	3970	£3,514	16.26	£4,270	15.30	£3,607	17.93	£4,389	16.97		£3,761	19.60	£4,532	18.64	
	4170	£3,580	17.12	£4,363	16.10	£3,680	18.88	£4,482	17.86		£3,834	20.64	£4,629	19.62	
	4370	£3,641	17.97	£4,447	16.91	£3,753	19.82	£4,567	18.76		£3,904	21.67	£4,713	20.61	
	4570	£3,711	18.83	£4,551	17.71	£3,823	20.76	£4,679	19.65		£3,981	22.70	£4,837	21.59	

Optima Cold rooms

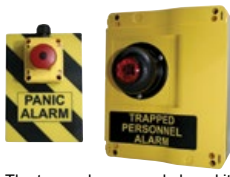
		2000 high				2200 high				2400 high			
		No Floor (2030 high)		With Floor		No Floor (2230 high)		With Floor		No Floor (2430 high)		With Floor	
		£	Int vol. m3	£	Int vol. m3	£	Int vol. m3	£	Int vol. m3	£	Int vol. m3	£	Int vol. m3
2570 mm wide	1370	£2,114	5.60	£2,315	5.27	£2,168	6.18	£2,395	5.85	£2,264	6.75	£2,480	6.42
	1570	£2,388	6.54	£2,700	6.15	£2,449	7.21	£2,785	6.82	£2,546	7.88	£2,878	7.49
	1770	£2,449	7.47	£2,797	7.03	£2,523	8.24	£2,878	7.80	£2,627	9.00	£2,982	8.56
	1970	£2,511	8.40	£2,878	7.91	£2,584	9.27	£2,966	8.77	£2,696	10.13	£3,074	9.63
	2170	£2,584	9.34	£2,989	8.78	£2,658	10.30	£3,082	9.74	£2,773	11.26	£3,186	10.70
	2370	£2,638	10.27	£3,078	9.66	£2,723	11.33	£3,171	10.72	£2,835	12.38	£3,275	11.77
	2570	£2,704	11.20	£3,167	10.54	£2,785	12.36	£3,263	11.69	£2,905	13.51	£3,379	12.84
	2770	£2,982	12.14	£3,545	11.42	£3,070	13.38	£3,653	12.67	£3,186	14.63	£3,769	13.92
	2970	£3,040	13.07	£3,634	12.30	£3,136	14.41	£3,738	13.64	£3,263	15.76	£3,865	14.99
	3170	£3,113	14.00	£3,722	13.18	£3,198	15.44	£3,826	14.62	£3,333	16.88	£3,958	16.06
	3370	£3,175	14.94	£3,826	14.05	£3,271	16.47	£3,946	15.59	£3,414	18.01	£4,073	17.13
	3570	£3,236	15.87	£3,923	14.93	£3,333	17.50	£4,042	16.56	£3,475	19.14	£4,170	18.20
2770 mm wide	1370	£3,298	16.80	£4,008	15.81	£3,402	18.53	£4,120	17.54	£3,545	20.26	£4,270	19.27
	1570	£3,580	17.74	£4,397	16.69	£3,680	19.56	£4,513	18.51	£3,834	21.39	£4,663	20.34
	1770	£3,641	18.67	£4,486	17.57	£3,753	20.59	£4,605	19.49	£3,907	22.51	£4,764	21.41
	1970	£3,703	19.61	£4,567	18.45	£3,815	21.62	£4,694	20.46	£3,981	23.64	£4,856	22.48
	2170	£3,772	20.54	£4,683	19.32	£3,892	22.65	£4,802	21.44	£4,062	24.76	£4,972	23.55
	2370	£2,338	6.07	£2,584	5.71	£2,407	6.69	£2,673	6.33	£2,507	7.32	£2,773	6.96
	2570	£2,638	7.08	£3,028	6.66	£2,716	7.81	£3,117	7.39	£2,824	8.54	£3,221	8.12
	2770	£2,704	8.09	£3,124	7.61	£2,781	8.92	£3,221	8.44	£2,893	9.76	£3,321	9.28
	2970	£2,773	9.10	£3,217	8.56	£2,847	10.04	£3,313	9.50	£2,966	10.97	£3,421	10.44
	3170	£2,831	10.11	£3,329	9.52	£2,916	11.15	£3,429	10.56	£3,036	12.19	£3,545	11.60
	3370	£2,905	11.13	£3,425	10.47	£2,986	12.27	£3,522	11.61	£3,113	13.41	£3,641	12.76
	3570	£2,966	12.14	£3,518	11.42	£3,047	13.38	£3,630	12.67	£3,178	14.63	£3,753	13.92
2770 mm wide	1370	£3,271	13.15	£3,965	12.37	£3,360	14.50	£4,069	13.72	£3,491	15.85	£4,197	15.07
	1570	£3,333	14.16	£4,062	13.32	£3,425	15.62	£4,166	14.78	£3,568	17.07	£4,297	16.23
	1770	£3,402	15.17	£4,150	14.27	£3,499	16.73	£4,262	15.83	£3,641	18.29	£4,401	17.39
	1970	£3,468	16.18	£4,258	15.23	£3,568	17.85	£4,378	16.89	£3,715	19.51	£4,517	18.55
	2170	£3,541	17.19	£4,363	16.18	£3,641	18.96	£4,482	17.95	£3,796	20.73	£4,617	19.71
	2370	£3,599	18.21	£4,459	17.13	£3,711	20.08	£4,578	19.00	£3,865	21.95	£4,733	20.87
	2570	£3,904	19.22	£4,891	18.08	£4,012	21.19	£5,022	20.06	£4,174	23.17	£5,180	22.03
	2770	£3,973	20.23	£4,991	19.03	£4,085	22.31	£5,122	21.11	£4,251	24.39	£5,284	23.19
	2970	£4,042	21.24	£5,088	19.98	£4,158	23.42	£5,219	22.17	£4,320	25.61	£5,381	24.35
	3170	£4,096	22.25	£5,196	20.94	£4,212	24.54	£5,338	23.22	£4,393	26.83	£5,512	25.51

Trapped Man Alarms



Pego trapped man alarm panel fitted with siren & flashing light plus remote output & battery backup an luminous panic button

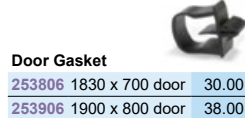
133605 ECP-APE alarm 199.31



The trapped personnel alarm kit allows personnel trapped inside the cold room to call for help by pressing an emergency button.

139405 CM00005953 348.82
151005 Panic button only 69.50

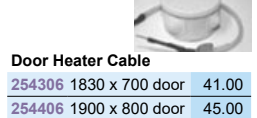
Optima / Isark Coldroom Spares



Door Gasket
253806 1830 x 700 door 30.00
253906 1900 x 800 door 38.00



Door Handle
254106 Handle Complete 126.00
254206 Strike Receiver 15.00
254506 Spare Key set 3 23.00



Door Heater Cable
254306 1830 x 700 door 41.00
254406 1900 x 800 door 45.00



Heated Pressure Relief Valve
254606 TS21 - 2220 48.00
Straight Hinge
254006 KITDOBPIV 13.00

Optima Cold rooms

Length		2000 high				2200 high				2400 high			
		No Floor (2030 high)		With Floor		No Floor (2230 high)		With Floor		No Floor (2430 high)		With Floor	
		£	Int vol. m3	£	Int vol. m3	£	Int vol. m3	£	Int vol. m3	£	Int vol. m3	£	Int vol. m3
1370		£2,367	6.54	£2,650	6.15	£2,461	7.21	£2,743	6.82	£2,561	7.88	£2,839	7.49
1570		£2,671	7.62	£3,094	7.17	£2,773	8.41	£3,186	7.96	£2,881	9.19	£3,298	8.74
1770		£2,729	8.71	£3,190	8.20	£2,835	9.61	£3,290	9.09	£2,951	10.51	£3,406	9.99
1970		£2,806	9.80	£3,313	9.22	£2,916	10.81	£3,414	10.23	£3,036	11.82	£3,522	11.24
2170		£2,887	10.89	£3,425	10.25	£2,993	12.01	£3,526	11.37	£3,117	13.13	£3,653	12.49
2370		£2,949	11.98	£3,522	11.27	£3,055	13.21	£3,630	12.50	£3,182	14.45	£3,753	13.74
2570		£3,007	13.07	£3,614	12.30	£3,124	14.41	£3,726	13.64	£3,259	15.76	£3,850	14.99
2770		£3,312	14.16	£4,066	13.32	£3,429	15.62	£4,170	14.78	£3,572	17.07	£4,305	16.23
2970		£3,377	15.25	£4,158	14.35	£3,499	16.82	£4,270	15.92	£3,641	18.38	£4,405	17.48
3170		£3,454	16.34	£4,270	15.37	£3,580	18.02	£4,389	17.05	£3,726	19.70	£4,521	18.73
3370		£3,531	17.43	£4,382	16.40	£3,661	19.22	£4,501	18.19	£3,807	21.01	£4,652	19.98
3570		£3,589	18.52	£4,490	17.42	£3,726	20.42	£4,609	19.33	£3,880	22.32	£4,764	21.23
3770		£3,655	19.61	£4,582	18.45	£3,796	21.62	£4,702	20.46	£3,954	23.64	£4,860	22.48
3970		£3,963	20.69	£5,030	19.47	£4,096	22.82	£5,165	21.60	£4,270	24.95	£5,315	23.73
4170		£4,033	21.78	£5,122	20.50	£4,166	24.02	£5,253	22.74	£4,339	26.26	£5,423	24.98
4370		£4,095	22.87	£5,230	21.52	£4,251	25.23	£5,369	23.87	£4,417	27.58	£5,535	26.22
4570		£4,176	23.96	£5,346	22.55	£4,320	26.43	£5,489	25.01	£4,497	28.89	£5,658	27.47

Wall Mounted Rivacold FTM Chiller units R452a



Duty @ 0 °C Room temp 32°C ambient

m ³	Duty *	Unit	1ph	£		
5	821	FTM 003	226204	1403.35		
6	975	FTM 006	226304	1436.00		
7	1146	FTM 007	226404	1538.00		
9	1302	FTM 009	226504	1588.00		
10	1420	FTM 012	226604	1671.00		
14	1960	FTM 016	226704	1937.00	3 ph	£
17	2234	FTM 022	226804	2208.00	227204	2147.00
20	2526	FTM 028	226904	2275.00	227304	2212.00
25	2995	FTM 034	227004	2611.00	227404	2540.00
29	3389	FTM 040	227104	2804.00	227504	2726.00

Wall Mounted Rivacold FTL Freezer units R452a

Duty @ -18 °C Room temp 32°C ambient

m ³	Duty *	Unit	1 ph	£		
2.6	719	FTL 003	227604	1663.81		
3.6	881	FTL 006	227704	1801.00		
4.5	1027	FTL 009	227804	1816.00		
7.0	1368	FTL 012	227904	1957.00	3 ph	£
9.9	1710	FTL 016	228004	2425.00	228304	2361.00
13.2	2074	FTL 020	228104	2786.00	228404	2746.00
18.1	2544	FTL 024	228204	2961.00	228504	2878.00
20.5	2766	FTL 034			228604	3355.00

Roof Mounted Rivacold SFM Chiller units R452a



Duty @ 0 °C Room temp 32°C ambient

m ³	Duty *	Unit	1ph	£		
4	753	SFM 003	228704	1789.00		
7	1072	SFM 006	228804	1985.00		
8	1288	SFM 008	228904	2220.00		
11	1619	SFM 009	229004	2230.00		
14	1881	SFM 012	229104	2291.00		
15	1996	SFM 016	229204	2323.00	3 ph	£
19	2442	SFM 022	229304	3336.00	229604	3245.00
25	2961	SFM 034	229404	3393.00	229704	3297.00
42	4464	SFM 054	229504	4255.00	229804	4134.00
53	5354	SFM 068			229904	4693.00

Roof Mounted Rivacold SFL Freezer units R452a

Duty @ -18 °C Room temp 32°C ambient

m ³	Duty *	Unit	1ph	£		
2	629	SFL 003	230004	2048.49		
4	964	SFL 006	230104	2204.08		
5	1136	SFL 008	230204	2427.04		
7	1370	SFL 009	230304	2482.83		
8	1547	SFL 012	230404	2998.55	3 ph	£
11	1881	SFL 016	230504	3723.55	230704	3619.54
19	2648	SFL 020	230604	3999.07	230804	3886.05
23	2984	SFL 024			230904	4345.53
34	3824	SFL 034			231004	4362.72
47	4772	SFL 080			231104	5334.80

Selection Packages Beer Cellars 10°C Above Ground

Equipment selection pack prices are for both unit and cooler.
Maxkold & KD Scroll units are housed low noise systems fully dressed including drier and sight glass and come with full electrical panels including contactors. Install kits include Digital control panel and TEV where not already fitted to unit Hp/Lp drier and sight glass.



Max m³	Duty w
15	1800
20	2000
25	2300
50	3300
65	4300

Cubigel Unit	Univap MA Cooler
239204 CMPT 14 TB3	81403 MA 3
130004 CMX 18 TB3	81403 MA 3
130104 CMX 21 TB	81503 MA 4
130204 CMS 26 TB3	81703 MA 6
132704 CMS 34 TB3	81903 MA 8

Pack £
962.42
1060.43
1170.28
1468.76
1698.87

Pipe Size	15m Tube pack
1/4-1/2	T01A 103.00
3/8-1/2	T11A 122.00
3/8-5/8	T02A 148.00

Install Pack
170304 289.00
170404 301.00
171504 301.00

Max m³	Duty w
20	1850
25	2100
65	4100

Maxkold Hermetic Unit	Roller DLK Cooler
166104 NFP075DGM	75003 DLK 412
166204 NFP100DGM	75003 DLK 412
166304 NFP150DGM	85903 DLK 413

Pack £
1653.66
1742.16
2252.81

Pipe Size	15m Tube pack
1/4-1/2	T01A 103.00
3/8-1/2	T11A 122.00
3/8-5/8	T02A 148.00

Install Pack
170304 289.00
170404 301.00
171504 301.00

Max m³	Duty w
20	1900
25	2300
65	4200

Maxkold Hermetic Unit	Univap MA Cooler
166104 NFP075DGM	81503 MA 4
166204 NFP100DGM	81603 MA 5
166304 NFP150DGM	81803 MA 7

Pack £
1489.01
1737.29
1991.31

Pipe Size	15m Tube pack
1/4-1/2	T01A 103.00
3/8-1/2	T11A 122.00
3/8-5/8	T02A 148.00

Install Pack
170304 289.00
170404 301.00
171504 301.00

Max m³	Duty w
20	1900
25	2200
65	4280

Maxkold Hermetic Unit	Roller FHV Cooler
166104 NFP075DGM	64703 FHV 111
166204 NFP100DGM	64703 FHV 411
166304 NFP150DGM	64803 FHV 412

Pack £
1836.55
1925.05
2436.08

Pipe Size	15m Tube pack
1/4-1/2	T01A 103.00
3/8-1/2	T11A 122.00
3/8-5/8	T02A 148.00

Install Pack
170304 289.00
170404 301.00
171504 301.00

Max m³	Duty w
65	4050
90	5550
100	6500
150	8000
225	9200
260	10600
350	13550
575	17100

KD Scroll Unit	Roller FHV Cooler
167304 1PAL 015 M1	64803 FHV 412
167404 1PAL 020 M1	70303 FHV 421
167504 1PAL 025 M1	66903 FHV 413
167604 1PAL 030 M1	67103 FHV 414
183104 1PAL 036 M1	67103 FHV 414
168204 1PAL 040 M3*	70403 FHV 422
168304 2PAL 050 M3*	70503 FHV 423
168404 2PAL 075 M3*	70503 FHV 423

Pack £
2989.33
3291.72
3438.77
4042.84
4207.64
4441.77
5606.72
6214.00

Pipe Size	15 M Tube pack
3/8-5/8	T02A 148.00
3/8-3/4	T02A 148.00
3/8-3/4	T07A 180.00
1/2-7/8	T10A 215.00
1/2-1 1/8	T12A 374.34

Install Pack
169704 193.00
169804 193.00
169904 193.00
199804 193.00
251504 194.00

Max m³	Duty w
50	3400
85	5400
100	6400
175	8300
200	9200
260	10,300
350	13,300

KD Scroll Unit	KD CSD Cooler
167304 1PAL 015 M1	83903 CSD35-030
167404 1PAL 020 M1	84103 CSD35-050
167504 1PAL 025 M1	84203 CSD35-075
167604 1PAL 030 M1	84303 CSD35-100
183104 1PAL 036 M1	84303 CSD35-100
168204 1PAL 040 M3*	84403 CSD35-120
168304 2PAL 050 M3*	84503 CSD35-150

Pack £
2907.07
3536.31
3706.21
4474.28
4639.08
5167.91
5560.19

Pipe Size	15 M Tube pack
3/8-5/8	T02A 148.00
3/8-3/4	T02A 148.00
3/8-3/4	T07A 180.00
1/2-7/8	T10A 215.00
1/2-1 1/8	T12A 374.34

Install Pack
143905 128.00
Just control panel required

Above ground Max m³	Below ground Max m³	Duty w
45	55	3460
57	90	4500
70	120	5200
120	155	6910

KD Packaged Cellar Star Systems
159806 KD040 1529.00
159906 KD045 1953.00
160006 KD050 2228.00
160106 KD070 2498.00

Above ground Max m³	Below ground Max m³	Duty w
25	45	2790
48	70	4110
65	115	5640

JCC Packaged Cellar Systems R448A/R449A
257904 JCC3 25 1368.95
258004 JCC3 40 1752.06
258104 JCC3 55 1994.21

IMPORTANT NOTE: these models are NOT pre-charged

Selection Packages - Vegetable Storage Room +4 °C

Equipment selection pack prices are for both unit and cooler.
Maxkold & KD Scroll units are housed low noise systems fully dressed including drier and sight glass and come with full electrical panels including contactors. Install kits include Digital control panel and TEV where not already fitted to unit Hp/Lp drier and sight glass.



Max m ³	Duty w	Cubigel Unit	KD TD0 Cooler	Pack £	Pipe Size	15m Tube pack	Install Pack
4	900	140804	CML 80 TB3 100303 TD015M	794.12	1/4-1/2	T01A 103.00	170004 271.00
5	1000	129704	CML 90 TB3 100303 TD015M	813.66			170304 289.00
7	1400	129804	CMP 12 TB3 100403 TD020M	991.09	3/8-1/2	T11A 122.00	170404 301.00
8	1500	129904	CMP 14 TB3 100403 TD020M	1028.62	3/8-5/8	T02A 148.00	171504 301.00
10	1830	130004	CMX 18 TB3 100503 TD030M	1258.37			
12	2000	130104	CMS 22 TB3 100503 TD030M	1333.14			
18	2890	130204	CMS 26 TB3 100703 TD045M	1588.21			
24	3700	132704	CMS 34 TB3 100803 TD050M	1664.41			

Max m ³	Duty w	Cubigel Unit	Univap MA Cooler	Pack £	Pipe Size	15m Tube pack	Install Pack
4	880	140804	CML 80 TB3 81303 MA 2	608.68	1/4-1/2	T01A 103.00	170004 271.00
5	1050	129704	CML 90 TB3 81403 MA 3	805.51			170304 289.00
7	1400	129804	CMP 12 TB3 81403 MA 3	942.99	3/8-1/2	T11A 122.00	170404 301.00
8	1550	129904	CMP 14 TB3 81503 MA 4	1015.60	3/8-5/8	T02A 148.00	171504 301.00
11	1900	130004	CMX 18 TB3 81703 MA 6	1286.77			
13	2250	130104	CMS 22 TB3 81703 MA 6	1361.54			
18	2850	130204	CMS 26 TB3 81703 MA 6	1468.76			
24	3750	132704	CMS 34 TB3 81703 MA 8	1494.99			

Max m ³	Duty w	Maxkold Hermetic Unit	Univap MA Cooler	Pack £	Pipe Size	15m Tube pack	Install Pack
9	1628	166104	NFP075DGM 64703 FHV 411	1836.55	3/8-1/2	T11A 122.00	169604 193.00
11	1925	166204	NFP100DGM 64703 FHV 411	1925.05	3/8-5/8	T02A 148.00	169704 193.00
24	3687	166304	NFP150DGM 64803 FHV 412	2436.08			

Max m ³	Duty w	KD Scroll Unit	KD CSD Cooler	Pack £	Pipe Size	15m Tube pack	Install Pack
22	3425	167304	1PAL 015 M1 83903 CSD35-030	2907.07	3/8-5/8	T02A 148.00	143905 128.00
33	4719	167404	1PAL 020 M1 84003 CSD35-040	3363.22	3/8-3/4	T07A 180.00	
41	5639	167504	1PAL 025 M1 84103 CSD35-050	3591.30	1/2-7/8	T10A 215.00	
51	6831	167604	1PAL 030 M1 84203 CSD35-075	3781.03	1/2-1 1/8	T12A 374.34	
60	7831	183104	1PAL 036 M1 84203 CSD35-075	3945.83			Just control panel required
75	9199	168204	1PAL 040 M3* 84303 CSD35-100	4717.51			
93	11202	168304	2PAL 050 M3* 84303 CSD35-100	4964.94			

Max m ³	Duty w	KD Scroll Unit	Roller FHV Cooler	Pack £	Pipe Size	15m Tube pack	Install Pack
22	3451	167304	1PAL 015 M1 64803 FHV 412	2989.33	3/8-5/8	T02A 148.00	169704 193.00
33	4760	167404	1PAL 020 M1 70303 FHV 421	3291.72	3/8-3/4	T07A 180.00	169804 193.00
39	5474	167504	1PAL 025 M1 70303 FHV 421	3346.71	1/2-7/8	T10A 215.00	169904 193.00
52	6884	167604	1PAL 030 M1 67103 FHV 414	4042.84	1/2-1 1/8	T12A 374.34	199804 193.00
61	7868	183104	1PAL 036 M1 67103 FHV 414	4207.64			
73	9117	168204	1PAL 040 M3* 70403 FHV 422	4441.77			
92	11076	168304	2PAL 050 M3* 70403 FHV 422	4689.20			

Max m ³	Duty w	KD Packaged Cellar Star Systems	JCC Packaged Cellar Systems
18	2900	159806 KD 040 1529.00	257904 JCC3 25 1368.95
25	3810	159906 KD 045 1953.00	258004 JCC3 40 1752.06
30	4390	160006 KD 050 2228.00	258104 JCC3 55 1994.21
43	5880	160106 KD 070 2498.00	

IMPORTANT NOTE: these models are NOT pre-charged



Selection Packages Holding Chiller 0 /+2 °C

Equipment selection pack prices are for both unit and cooler.
Maxkold & KD Scroll units are housed low noise systems fully dressed including drier and sight glass and come with full electrical panels including contactors. Install kits include Digital control panel and TEV where not already fitted to unit Hp/Lp drier and sight glass.



Max m³	Duty w
4	889
8	1240
10	1640
14	1760
20	2530
30	3290

Cubigel Unit	Roller FHV Cooler
129704 CML 90 TB3	100303 TD015M
129804 CMP12 TB3	100403 TD020M
130004 CMX 18 TB3	100503 TD030M
130104 CMX 21 TB3	100503 TD030M
130204 CMS 26 TB3	100703 TD045M
132704 CMS 34 TB3	100803 TD050M

Pack £
813.66
991.09
1258.37
1333.14
1588.21
1664.41

Pipe Size	15 M Tube pack
1/4-1/2	T01A 103.00
3/8-5/8	T02A 148.00

Install Pack
251406 289.00
170304 289.00
170404 301.00
171504 301.00

Max m³	Duty w
10	1470
12	1750
30	3150

Maxkold Hermetic Unit	Univap MA Cooler
166104 NFP075DGM	81503E MA 4 E
166204 NFP100DGM	81503E MA 4 E
166304 NFP150DGM	81703E MA 6 E

Pack £
1629.04
1717.54
1973.55

Pipe Size	15m Tube pack
1/4-1/2	T01A 103.00
3/8-5/8	T02A 148.00

Install Pack
169604 193.00
169704 193.00

Max m³	Duty w
15	1900
18	2050
20	2300
30	3364

Maxkold Rotary Unit	KD TD0 Cooler
157404 NFR 075 DL	100503 TD030M
157504 NFR 100 DL	100603 TD040M
157604 NFR 150 DL	100603 TD040M
157804 NFR 200 DL	100803 TD050M

Pack £
1466.49
1561.96
1614.93
1880.94

Pipe Size	15m Tube pack
3/8-5/8	T02A 148.00

Install Pack
169604 193.00
169704 193.00

Max m³	Duty w
15	1900
18	2200
22	2600
35	3800
40	4200

Maxkold Rotary Unit	Univap MA Cooler
157404 NFR 075 DL	81603E MA 5 E
157504 NFR 100 DL	81603E MA 5 E
157604 NFR 150 DL	81703E MA 6 E
157704 NFR 200 DL	81903E MA 8 E
157804 NFR 250 DL	81903E MA 8 E

Pack £
1683.17
1703.70
1708.42
1984.89
2055.43

Pipe Size	15m Tube pack
3/8-5/8	T02A 148.00
3/8-3/4	T07A 180.00

Install Pack
169604 193.00
169704 193.00
169804 193.00

Max m³	Duty w
15	1800
18	2000
20	2300
30	3400

Maxkold Rotary Unit	Roller DLK Cooler
157404 NFR 075 DL	75403 DLKT 412
157504 NFR 100 DL	75503 DLKT 432
157604 NFR 150 DL	75503 DLKT 432
157704 NFR 200 DL	86303 DLKT 433

Pack £
1607.66
1894.23
1947.20
2364.91

Pipe Size	15m Tube pack
3/8-5/8	T02A 148.00

Install Pack
169604 193.00
169704 193.00

Max m³	Duty w
15	1800
18	1975
20	2300
30	3400
40	3850
45	4500

Maxkold Rotary Unit	Roller FHV Cooler
157404 NFR 075 DL	64403 FHV 411
157504 NFR 100 DL	64403 FHV 411
157604 NFR 150 DL	64503 FHV 402
157704 NFR 200 DL	64603 FHV 412
157804 NFR 250 DL	68203 FHV 412
200104 NFR 300 DL	72203 FHV 421

Pack £
1850.92
1871.45
2083.30
2445.37
2404.08
3220.70

Pipe Size	15m Tube pack
3/8-5/8	T02A 148.00

Install Pack
169604 193.00
169704 193.00
169804 193.00

Max m³	Duty w
30	3000
40	4200
50	4800
55	5800
65	7000
80	7700
120	9800
130	10100

KD Scroll Unit	Roller FHV Cooler
167304 1PAL 015 M1	64603 FHV 412
167404 1PAL 020 M1	72203 FHV 421
167504 1PAL 025 M1	72203 FHV 421
167604 1PAL 030 M1	67003 FHV 413
183104 1PAL 036 M1	67203 FHV 414
168204 1PAL 040 M3*	67203 FHV 414
168304 2PAL 050 M3*	72303 FHV 422
168304 2PAL 050 M3*	72903 FHV 623

Pack £
3191.16
3459.93
3514.92
3876.13
4492.05
4570.48
4962.88
5699.31

Pipe Size	15 M Tube pack
3/8-5/8	T02A 148.00
3/8-3/4	T07A 180.00
1/2-7/8	T10A 215.00

Install Pack
169704 193.00
169804 193.00
169904 193.00
199804 193.00

Selection Packages Holding Freezer -18 °C

Equipment selection pack prices are for both unit and cooler.
Maxkold & KD Scroll units are housed low noise systems fully dressed including drier and sight glass and come with full electrical panels including contactors. Freezer Install kits include Digital control panel, TEV, mag valve (not with rotary unit selections) and where not already fitted Hp/Lp drier and sight glass.



Max m³	Duty w	Maxkold Rotary Unit		KD	TD0 Cooler	Pack £	Pipe Size	15m Tube pack		Install Pack	
4	1000	157504	NFR 100	100403	TD020M	1337.18	1/4-1/2	T01A	103.00	169604	193.00
5	1125	157604	NFR 150	100403	TD020M	1390.15				169704	193.00
12	1963	157704	NFR 200	100603	TD040M	1687.52	3/8-5/8	T02A	148.00	169804	193.00
14	2156	157804	NFR 250	100703	TD045M	1830.97					
16	2385	200104	NFR 300	100703	TD045M	2318.72					

Max m³	Duty w	Maxkold Rotary Unit		Roller FHV Cooler		Pack £	Pipe Size	15m Tube pack	Install Pack		
5	1100	157504	NFR 100	64103	FHVT 611	1807.78	1/4-1/2	T01A	103.00	169604	193.00
7	1300	157604	NFR 150	64103	FHVT 611	1860.75					
13	2000	157704	NFR 200	64203	FHVT 602	2006.43					
14	2100	157804	NFR 250	68203	FHVT 612	2404.08					
17	2400	200104	NFR 300	68203	FHVT 612	2891.83					
							3/8-5/8	T02A	148.00	169704	193.00
										169804	193.00

Max m³	Duty w	Maxkold Rotary Unit		Univap MA Cooler		Pack £	Pipe Size	15m Tube pack	Install Pack		
5	1150	157504	NFR 100	81403E	MA 3E	1429.11	1/4-1/2	T01A	103.00	169604	193.00
7	1400	157604	NFR 150	81503E	MA 4E	1517.16					
12	1950	157704	NFR 200	81603E	MA 5E	1829.26					
14	2150	157804	NFR 250	81703E	MA 6E	1851.55					
							3/8-5/8	T02A	148.00	169704	193.00

Max m³	Duty w	Maxkold Hermetic Unit		KD	TD0 Cooler	Pack £	Pipe Size	15m Tube pack	Install Pack		
5	1100	166204	NFP100DGM	100403	TD020M	1590.53	1/4-1/2	T01A	103.00	171604	229.00
8	1500	166304	NFP150DGM	100503	TD030M	1805.12				251304	232.00
11	1800	237304	FSP/0170ME	100603	TD040M	2933.92	3/8-5/8	T02A	148.00	171804	232.00
17	2450	237404	FSP/0270ME	100703	TD045M	3074.72				171904	232.00

Max m³	Duty w	KD Hermetic Unit		Roller FHV Cooler		Pack £	Pipe Size	15m Tube pack	Install Pack		
13	2000	236504	1PAD 018 L1	64203	FHVT 602	2878.77	3/8-5/8	T02A	148.00	171804	232.00
23	3000	236704	1PAD 023 L1	62803	FHVT 612	2594.28	3/8-3/4	T07A	180.00	171904	232.00
31	3650	236904	1PAD 035 L3*	62803	FHVT 612	2915.28		T05A	197.00	172004	232.00
53	5150	237004	1PAD 050 L3*	68403	FHVT 613	4461.80	3/8-7/8	T05A	197.00	172004	232.00
111	8350	237104	2PAD 075 L3*	72803	FHVT 622	6453.03	1/2-1 1/8	T12A	374.34	251204	247.00

Max m³	Duty w	KD scroll Unit		Roller FHV Cooler		Pack £	Pipe Size	15m Tube pack		Install Pack	
29	3500	168704	1PAL 035 L3*	68203	FHVT 612	4437.13	3/8-3/4	T07A	180.00	171904	232.00
39	4200	168804	1PAL 040 L3*	68403	FHVT 613	4815.47		T05A	197.00	172004	232.00
51	5000	168904	2PAL 050 L3*	68403	FHVT 613	4851.42	3/8-7/8	T05A	197.00	251604	232.00
67	6000	169004	2PAL 060 L3*	68503	FHVT 614	5370.57		T12A	374.34	197504	246.00
85	7050	197604	2PAL 075 L3*	72803	FHVT 622	6655.98	1/2-1 1/8				

Digital Manifold Sets

testo 55x Smart Digital Manifolds



The latest testo 55x smart manifolds take digital manifolds to a new level of practicality, reliability and accuracy. With larger clearer graphic displays and the latest bluetooth technology for even greater wireless range.

Wireless connection to new 560i digital scales see page 67



- ✓ Compact robust housing with IP 54 protection class
- ✓ Next generation graphic display
- ✓ 90 Refrigerants stored new refrigerants can be added via the App
- ✓ Bluetooth 5.0 for probe connection range up to 150m
- ✓ Wireless sensors for temperature and vacuum

220402	550s Basic Manifold Set - Cable temp probes	345.00
220502	550s Smart Manifold Set - Wireless temp Probes	398.76
220602	550s Smart Set - Wireless temp Probes & Hoses	422.19
220702	557s Smart Set Wireless Vacuum & Temp Probes	439.81
220802	557s Vacuum Set Wireless Vacuum, Probes & Hoses	485.87
251402	570s Smart Manifold Only	509.02
251702	570s Smart Vacuum Kit with no hoses	629.02
251602	570s Smart Vacuum Kit with hoses	680.01
251502	570s Smart Vacuum Kit with clamp meter	819.00

Fieldpiece Digital Manifolds



- ✓ Super rugged construction
- ✓ Data logging up to 7 days
- ✓ Temperature compensated system tightness test
- ✓ Wireless integration with probes and JobLink app
- ✓ Water resistant (IP54)
- ✓ A2L Compatible
- ✓ R32 ready



Works with SR53 wireless digital scales see page 67



209902	3 Port Wireless SMAN380V + temperature clamps	375.00
210002	4 Port Wireless SMAN480V + temperature clamps	454.00
238402	MG44 Wireless Vacuum Gauge	194.00

testo Smart App operated manifold



Minimalistic manifold for the smartphone generation, the 550i is the smallest digital manifold on the market yet when used with the testo Smart App can offer the same functionality as it's bigger brothers.

- ✓ All readings via testo Smart App
- ✓ Extremely robust IP54 housing

220302	550i App operated Manifold	245.01
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552i Vacuum Gauge



The testo 552i wireless vacuum probe gives high accuracy vacuum readings via a single service port. The testo 552i automatically connects to the testo 550s and 557s or used via the smart app.

220902	Testo 552i vacuum smart probe	144.37
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testo Smart Probes

The smart probe system from testo: a complete range of high accuracy measuring instruments for system diagnostics and commissioning using your smart phone and the FREE testo Smart App

Refrigeration set ideal for service, commissioning and error detection on refrigeration and air conditioning systems.

- ✓ 2 x 115i Clamp Thermometer
- ✓ 2 x 549i High Pressure gauge
- ✓ Smart Set Case



209402	Testo Smart Refrigeration Set	281.89
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The 115i thermometer can be used with any of the 55x range manifolds or the testo Smart App



209102	Testo 115i Clamp Thermometer	75.00
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405i - Bluetooth hot wire anemometer, with 400mm telescopic tube



187102	405i Hot wire anemometer	119.00
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410i Bluetooth Vane Anemometer Smart Probe



187202	410i Rotary vane anemometer	99.00
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510i - Bluetooth Differential Pressure Gauge Smart Probe



187302	510i Differential pressure gauge	119.00
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915i - Thermometer with immersion/penetration probe



235302	915i Thermometer	85.00
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805i - Bluetooth Infrared Thermometer Smart Probe



187602	805i Infra Red Thermometer	99.00
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SRW Valve-Pro hose sets

Innovative charging line sets with built in access control valves on both high and low side lines plus ball shut off valve on refrigerant supply line.

- ✓ No Refrigerant Loss even under high pressure
- ✓ No finger burns

① Minimise Refrigerant Loss and Improve Safety



84807	72" Valve-Pro hose set 1/4"	55.00
84907	72" Valve-Pro hose set 5/16"	56.00
85307	96" Valve-Pro hose set 1/4"	70.95
85407	96" Valve-Pro hose set 5/16"	70.95

2 way manifold sets with 72" SRW Valve-Pro hose set.



85107	2 way std 1/4" manifold with Valve-Pro hoses	99.83
85207	2 way R32 / R410 manifold with Valve-Pro hoses	99.83

RCV control valves can be fitted to the end of existing lines to give same refrigerant loss and safety benefits as our Valve-Pro hoses



77407	RCV-04 1/4" Valve core tool	16.50
77507	RCV-05 5/16" Valve core tool	16.50
85507	Replacement gaskets 1/4" pack of 10	5.49
85607	Replacement gaskets 5/16" pack of 10	5.49

Javac Safe Seal Charging hose set



Javac Safe Seal technology: 'One-Touch' design allows you to screw the fitting on to the system before starting refrigerant flow, avoiding refrigerant loss and risk of 'refrigerant burn'.

211702	72" Safe Seal Charging Hose set 1/4"	115.76
211802	72" Safe Seal Charging Hose set 5/16"	119.42

Probe Companion manifolds

Manifold blocks specifically designed to compliment smart probes

With this in your tool box you can instantly convert your smart probes into a full manifold set when required. You can connect up to 2 probes as required with schrader vales sealing any unused ports. Available as either a one or two way manifold. (no probes included)



84607	Probe Companion manifold 2 way	38.50
84707	Probe Companion manifold 1 way	16.50

2 Way Front wheel Manifold

2 Way Manifold Set With clear 80mm Gauges

Gauges with temperature pressure scales for R22, 134, 404 & 407 or R410 Psi / Bar / °C



77107	2 way manifold set R22, 134, 404 & 407 60" hoses	67.50
79707	2 way manifold set R32 / R410 with 60" hoses	69.50
84007	2 way manifold set R600 with 72" hoses	69.50
85707	2 way manifold set R290 / R600 with 60" hoses	69.50

2 Way Manifold with Ball Valve Hose Set

2 Way Manifold Set With 60mm Gauges

Gauges with temperature pressure scales in Psi / Bar / °C

Includes 72" Ball valve hose set and case



82507	2 way manifold & 72" Ball valve hoses R22, 134 & 404	81.50
83507	2 way manifold & 72" Ball valve hoses R410 / R32	82.50

4 Way Manifold R22, 134, 404 & 407

4 Way Manifold Set with Front / Side wheel controls

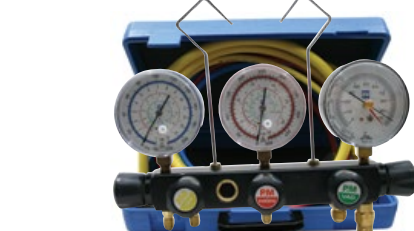
Fitted with easy to read 80mm Gauges with temperature pressure scales for R22, 134, 404 & 407 or R410 Psi / Bar / °C

Includes 60" hose set and case



76907	4 way manifold set R22, 134, 404 & 407	91.00
80307	4 way manifold set R32 / R410	94.50

5 Way Manifold R22, 134, 404 & 407



5 Way Manifold Set with Front / side wheel controls. Features 80 mm Compound, pressure and vacuum gauges with temperature pressure scales for R22, 134, 404 & 407 Psi / Bar / °C set includes 60" hoses and case

78407	5 way manifold includes case & 60" hoses	93.50
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Manifold Sets

Refco 4 Way Manifold Set



R32

Quality **Refco 4 way** manifold at a bargain price! 4 way manifold set that allows you to vacuum and charge the system without disconnecting. Removing the risk of contamination when changing from vacuum to charge.

Vacuum port has both 1/4 & 3/8 fittings for oversize vacuum lines. Set comes complete with 3 x 72" charging lines 1 x 72" large 3/8" bore vacuum line 1 x Carry case

102802	Refco 4 way manifold set and hoses R134, 404, 407c	157.35
139902	Refco 4 way manifold set and hoses R32/R410a set	200.85

Refco Clim A/C Manifold Sets

Refco Clim

Multi gas manifold for use with most common air conditioning refrigerants.

Gauges graduated with temperature scales for: **R22, R407C & R410A**

Available in both 2 way (shown here) and 4 way versions



Comes with case & 3 x 36" standard 1/4 fl hose lines 2 x 36" R410A (1/2 -20 UNF) hose lines

139702	Refco Clim 2 way manifold set and hoses	185.43
163902	Refco Clim 4 way manifold set and hoses	229.51

Refco 2 way Manifold Sets

Refco manifolds with vibration free psi / C gauges and 36" hoses

R410 / R32 Front wheel Manifold with sight glass plus 36" hoses also includes hard case



R32

165302	R134, 404, 407	141.23
100002	R410, R32	147.32



Refco Refmate Digital Manifold



High end digital manifold by Refco features unique full colour display and integrates the Refco REFMesh app and devices

- ✓ Large 4.3" TFT display
- ✓ Indication of superheating and subcooling
- ✓ High precision with accuracy class 0.5
- ✓ Wireless communication with REFMesh App and other devices

218202	Refco Refmate-2 2 Valve Digital manifold	399.00
218302	Refco Refmate-4 4 Valve Digital manifold	543.64

Refco Apex Manifold

A sturdy brass manifold with 45" hose anchors on reverse to store line when not in use.

Manifold only no hoses supplied

Ideal for those who would rather not have a sight glass fitted



171502	Apex 8 R410	73.51
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2 Way Automotive Manifold

2 Way manifold set with adjustable high and low side automotive snap connectors.

Set includes
2 way manifold
Automotive quick couplers
60" ACME hoses
Hard carry case

77007	2 way auto set	90.75
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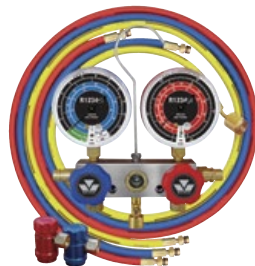
R1234YF Manifold Set

Mastercool way aluminium manifold set for use with R1234YF refrigerant

Set includes
Adjustable R1234YF automotive quick couplers

3 x 72" R1234YF hoses

176402	R1234YF manifold	164.54
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Mastercool Hose Sets



Mastercool high pressure hoses sets with nylon barrier. Working pressure 56 bar

136702 36" 47360	39.73
136802 72" 47372	49.45

Mastercool Shut off Hose Sets



Mastercool hose sets of 3 x 72" hoses With automatic shut-off end fittings that retain any refrigerant in the hoses when disconnected.

137102 72" 46372	52.15
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1/4 to 5/16 Short hose adaptor



Mastercool ball valve Flex Adapter R410A-5/16 Female X 1/4 Male

176902 R410 adaptor	13.65
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1 Way low side

R22
R134
R407
R410



78707 1 Way Compound	22.67
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1 Way R600 low side



79107 R600 1 way Manifold	22.50
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Fieldpiece Ball Valve Hose Sets



Fieldpiece Ball Valve 1.5m sets

246602 HR3B 1/4	138.79
246702 HR3BC 5/16	139.20

Fieldpiece Low Loss sets



Fieldpiece low loss 1.5m hose sets

246802 HR3C 72" 1/4	114.40
246902 HR3CM 72" 5/16	114.40

Fieldpiece Vacuum Hoses



Fieldpiece Vacuum Hoses 1.5m

247002 3/8" x 3/8"	63.20
247102 1/4" x 3/8"	63.20

1 Way High side

R22
R134
R407
R410



79207 1 way Pressure	22.50
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1 Way Vacuum



79307 Vacuum Manifold	27.98
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Charging Line Sets



34307 36" 1/4 flare	20.50
34407 72" 1/4 flare	29.15
35407 96" 1/4 flare	54.50

Ball Valve Hose Sets



Hose sets with built in shut off valves ideal to prevent refrigerant loss.

84407 72" 1/4 ball valve	51.15
84507 72" 5/16 ball valve	52.25

Hose Line Shut Off Valves



Set of 3 15 cm hose extensions with ball shut of valves

77207 1/4 - 1/4" flare	27.69
77307 1/4 - 5/16" flare	21.18

Single Gauge Manifolds

Brass manifold with single compound gauge ideal for testing etc.



38807 466G CFC	15.13
74907 466G R134a	15.13

1 Way Testing Valve



Single port manifold with 3 x 1/4 take off points plus 1/4 access port

84707 In Line Manifold	16.50
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Refco Charging Line Sets



Standard 1/4" fl hose Sets

23102 36" CCL 36	27.48
23202 72" CCL 72	49.99

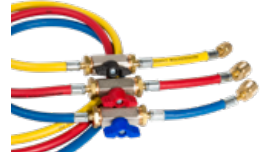
R410 5/16" 60 bar hose Sets

100102 36" CCL-36-1/2-20	44.51
157902 60" CCL-60-1/2-20	53.59
152902 72" CCL-72-1/2-20	62.04

Refo Ball Valve Hose Sets



102902 CA-CCL 72 1/4"	75.58
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R410 36" Hose sets butterfly ball valve and short tail 1/4 flare manifold and 5/16 system

116502 36" in-line valve	96.32
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R410 Hose sets 60" long with compact ball valve and short tail 1/4 flare manifold and 5/16 system connection



158002 60" in-line valve	82.73
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Refco Large Bore 3/8 Hoses



Make the most of your vacuum pump by using 3/8 full bore hoses for maximum evacuation of larger systems.

65902 72" Refco Yellow	25.47
66002 144" Refco Yellow	39.13

Manifold Spares

Replacement Gauges



Standard replacement manifold gauges (1/8 mpt)

60 mm Standard

16407	12/22/502 low	12.50
16507	12/22/502 high	12.50
37707	134/404 low side	9.63
37807	134/404 high side	10.00
78807	R600 Compound	14.03



Mastercool 60 mm replacement gauges (1/8 mpt)

203102	Low side	21.67
203202	High Side	21.67



Mastercool 60 mm replacement gauges (1/8 mpt)

22/407c/404a/134a/507a/ bar °C		
155502	Low Side (blue)	16.47
155602	High Side (red)	16.47

80 mm Standard

73707	134/404/407/22 low	13.75
73607	134/404/407/22 high	15.13
82207	22/134/407c/410 low	13.75
82307	22/134/407c/410 high	13.75
80207	R410 Low	15.13
80107	R410 High	15.13



Refrco 60 mm Class 1.6 bourdon tube gauges (1/8 mpt)

Refrco psi / Bar / °C

67302	134/404/407 low	24.06
67602	134/404/407 high	24.06
105802	R410/R32 low	25.59
105702	R410/R32 high	24.99
97302	snap on low	23.44
97202	snap on high	23.44
115502	R600 compound	24.10

R449a(XP40) / R452a (XP44)



Mastercool 80 mm gauges calibrated for : R448a / R449a / R455A / R452A

203102	Low side	21.67
203202	High Side	21.67



Mastercool 80 mm gauges calibrated for : R448a / R449a / R455A / R452A

22/407c/404a/134a/507a/ bar °C		
155502	Low Side (blue)	16.47
155602	High Side (red)	16.47



Top Quality Refco Class 1 80 mm bellows type gauge. Bellows gauges will withstand 2.5 times scale pressure (1/8 mpt)

107902	134/404 low	114.76
108002	134/404 high	114.76
104002	Snap on low	114.76
104102	Snap on high	114.76

Gauge Adaptors



5701	1/8 fpt x 1/4 fl	3.00
32107	1/4fl tee 1/4 fl branch	3.25

Refrco Manifold Spares



Refrco Valve Stems

60602	Standard fit	9.62
158102	Digimon fitting	7.50

Knobs for 3 & 4 way Refco manifolds

94202	Yellow	2.99
94302	Blue	3.96
94402	Red	2.99
94502	Black	3.96
183502	set of 4	13.04

Knobs for 1 & 2 way Refco Manifolds

53402	Blue	4.82
53302	Red	4.82

Knobs for Refco Digimon Manifolds

158202	Blue	6.57
158302	Red	6.57

Replacement sight glass kits fits all Refco manifolds

77402	M4-6-11-A-D	11.78
150402	Fitting tool	21.44

Hose repair kits
3 gaskets & 3 depressors

32607	Push in kit	4.95
32707	Screw in kit	2.19

Refrco hose gaskets in packs of 10

110102	Neoprene (black)	4.87
68102	Teflon (white)	7.43
97702	core depressor pk10	7.99
74402	P510 3/8 hose	7.94
73602	3/8 depressor	2.58

KwikCharge

Low side liquid charging adaptor for correct charging of blends without the risk of liquid slugs



126602	535-C 1/4 flare	60.16
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Hose end ball valves

Hose end ball valves for existing hoses.



	Male	Female	
81007	1/4	- 1/4	11.83
81107	1/4	- 5/16	10.73
81207	5/16	- 5/16	10.73



	Male	Female	
81307	1/4	- 1/4	11.55
81407	1/4	- 5/16	11.55
81507	5/16	- 5/16	11.55

Refrco models



	Male	Female	
157602	1/4	- 1/4	19.04
157702	1/4	- 5/16	22.04
157802	5/16	- 5/16	24.10



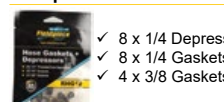
70502	1/4 valve Blue	18.62
70602	1/4 valve Red	18.62
90602	3/8 valve Blue	23.20
90502	3/8 valve Red	23.20

Valve Stem kit for PM Manifolds



79407	Stem & knob	6.05
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Fieldpiece Hose Gaskets



- ✓ 8 x 1/4 Depressors
- ✓ 8 x 1/4 Gaskets
- ✓ 4 x 3/8 Gaskets

247202	RHG12 Gasket Set	26.40
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Hose Gasket tool



Double ended tool for easy removal and insertion of hose gaskets

81607	Gasket tool	4.50
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Hose Adaptor Fittings



REFCO 1/4 Male flare to Female 1/2"-20 UNF (5/16) (R410a fitting)

100202 R410 Adaptor	16.62
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1/4 Male flare to Female 1/2"-20 UNF (5/16) (R410a fitting)

169702 R410 Adaptor	9.35
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1/2" ACME to 1/4" male Flare

92302 Adaptor	3.79
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1/4" Female Flare to 1/2" M ACME

92402 Adaptor	5.73
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1/2" Female ACME to 1/4" M Flare

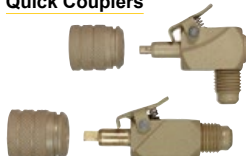
73806 Adaptor	5.76
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1/4 flare elbow adaptor with core depressor

146102 Elbow adaptor	13.69
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Quick Couplers



Quick disconnect couplers allow snap connection to the system to minimise refrigerant loss

65302 1/4" Straight	26.89
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66102 1/4" Elbow	28.74
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136502 5/16" 410 Straight	29.38
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136602 5/16" 410 Elbow	31.76
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Valve Core Tools



Access valve core removal tool plus core thread chaser bit.

50102 Refco A32000	16.13
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75607 CVH320	6.33
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Dual size core removal tool



Dual size core removal tool metal



72707 CHV-02	4.79
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Dual size valve core tool fits standard and new type cores



107202 91290	6.56
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R12/134a standard & JRA/EATON large bore valves

126802 81290	5.21
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Core Tool with spare cores



Mastercool 90376 Valve Core Removal Kit with 6 valves

211202 90376	8.77
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Replacement Valve Cores

Red -40 to +100 °C
Green -35 to +150 °C

73802 Red pack 10	7.51
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73902 Green pack 10	11.20
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Auto shut off hose fittings

Fittings to fit on to standard 1/4" hoses to provide automatic sealing



137202 Mastercool 90335	6.56
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Fieldpiece Valve Core Removal Tool

High end valve core removal tools for faster charging and recovery.

Available in 3 models a sight glass on VC1GE/VC2GE versions lets you visually verify the valve core is engaged before removing it, as well as confirm refrigerant is flowing.



256502 VC1E 1/4" & 5/16" single ball valve	82.60
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256602 VC1GE 1/4" & 5/16" single ball valve plus Sight Glass	94.50
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256702 VC2GE 1/4" & 5/16" dual ball valves plus Sight Glass	123.20
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Valve Core Tools

Valve tools with thumb screw which depresses the valve core, backing off the thumb screw releases the valve core and seals the hose

76302 SF2070 1/4"	20.23
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77407 RCV-04 1/4"	16.50
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77507 RCV-05 5/16" 410	16.50
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RCV-05

SF2070

Valve Core Removal / Access Tools

Valve core access tool allow you to remove or replace valve cores from access fittings without any loss of charge.

80707 RI-04 1/4	26.95
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80807 RI-05 5/16	27.50
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83102 SF3920 1/4"	40.77
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83202 SF3930 1/4"	54.75
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Pinch off pliers

Pinch off pliers for crimping copper tube

15207 CT201 pliers	9.08
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47102 Refco P/O pliers	32.96
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Service Piercing Pliers

Service Piercing Pliers Ideal for recovery or charging without using line taps.

78507 343 Pliers	32.50
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78607 Spare needles	3.58
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Refco service pliers

54202 Refco 14210 Pliers	67.07
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65802 Spare needles	5.69
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Mastercool service pliers

242702 70088 Pliers	32.44
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Automotive Tools

Automotive PAG oils



PAG refrigerant oil 250 ml cans

50106	PAG ISO 46	10.58
40906	PAG ISO 100	10.58
50006	PAG ISO 150	9.50

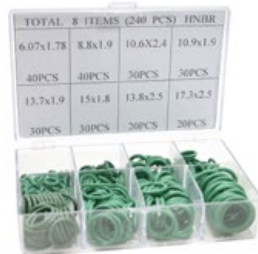
Core Replacement tool kits



PM013 valve core removal & installation tool for all R12 & R134 automotive fittings. Replace valve cores with no refrigerant loss

Covers all R12 & R134a system valve cores for Standard, JRA, Eaton and GM large bore

75507	PM013	45.00
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Replacement O Ring Set

134a O-Ring Set

40 O-rings in 8 sizes

.07 x 1.78	8.8 x 1.9
0.6 x 2.4	10.9 x 1.9
3.7 x 1.9	15 x 1.8
3.8 x 2.5	17.3 x 2.5

75807	O-ring kit	18.15
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Orifice Tube service Kit

This 5 piece universal kit will remove and install any style orifice tube.

Comes in moulded case.

109902	92311	23.32
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128706	Pro-Flush™ Kit	176.19
128806	16 oz. Refill	97.63

Diversitech Pro Flush

Flushing kit that uses OFN to flush Pro-Flush solvent through the lines using the easy to control trigger injector. One 16oz refill of Pro-Flush can treat up to 150m of pipework and is non flammable and residue free

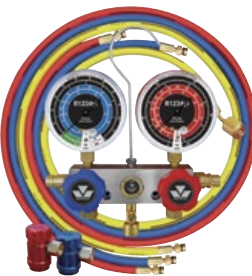
2 Way Automotive Manifold



2 Way Set with high and low side automotive connectors set includes 60" hoses and case

77007	2 way auto man	90.75
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R1234YF Manifold Set



Mastercool R1234YF 2 way aluminium manifold and automotive quick couplers plus 3 x 72" hoses

176402	R1234YF manifold	164.54
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BMW / Volvo High side Adaptor

Allows easy access for recessed high side ports on some BMW / Volvo models



80007	High Side Ext	29.65
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Airco Breeze

Removes harmful bacteria and bad smells from Vehicle A/Cs, leaving a pleasant long lasting Sea Breeze aroma. Comes with long reach application hose



250ml	1-5	6-11	12+
89306	8.62	9.48	8.72

Automotive 134a Couplers

Budget 134a snap connectors



37507	Low Side (blue)	16.50
37407	High Side (red)	16.50



Universal automotive 134a Couplings 1/4 Flare & 1/2" Acme fittings

39407	Low Side (blue)	27.60
39507	High Side (red)	27.60



Mastercool EZ-snap™ couplers with swivel 1/4 flare hose connections

108702	Low Side (blue)	30.87
108602	High Side (red)	30.87



Aeroquip compact adjustable automotive couplers 1/4" flare connections

103502	Low Side (blue)	69.20
103602	High Side (red)	69.20



R1234YF High and low couplers with extended disconnect protection sleeve. Allows recovery of all the refrigerant, including the space between the coupler and fitting.

176602	Low Side	36.88
176502	High Side	40.51

Pressure Testing Kit



New Mastercool pressure testing kit with 70 bar single stage Nitrogen regulator, test gauge with isolator and lazy hand indicator, R410 adaptor, 48" hose and hard carry case

174602 Pressure testing kit 157.15

Mastercool single stage 70 bar Nitrogen regulator with 1/4 flare connection. Gauges are fitted with protective rubber covers.

174702 53003 regulator 117.00

174802 Contents gauge 13.89

174902 Pressure gauge 13.89

175002 Rubber cover 7.29



Pressure testing adaptor and isolator, pressure gauge has lazy hand indicator fitted.



175102 Test gauge & hose 28.48

Nitrogen High Pressure test rig

Pressure testing manifold with high pressure gauge, shut off isolation valve and braided steel hose.

1/4 fl inlet fits all our Nitrogen pressure regulators.



152402 HP Test Rig 229.32

Nitrogen Pressure and Vacuum Testing Manifold

The Javac PVR Manifold is a dedicated pressure testing manifold for both nitrogen pressure testing and vacuum testing.

The dual pressure and vacuum gauges allow you to carry out both vacuum and pressure tests without disconnecting the manifold.

The manifold comes with 2 braided stainless hoses (max working pressure 200 bar) and is specifically designed for use with the pressures involved in testing R410a systems



166802 Javac PVR Manifold 289.28

GasArc Nitrogen Regulators

Quality twin gauge nitrogen pressure regulator with 1/4 flare fitting.

Replacement Gauges



148002 Contents gauge 29.39

218102 Contents new (WIKA) 29.39

147902 Pressure old 29.39

218002 Pressure new (WIKA) 29.39

160902 Rubber Cover 16.74



137502 Ni Reg 10 Bar 159.27

138302 Ni Reg 50 Bar 231.18

Nitrogen Pressure Testing Manifold

Dedicated nitrogen high pressure testing manifold. For safe High pressure testing of refrigeration systems including R410. Connection hose has 300 bar working & 1300 bar burst pressure



Heavy duty manifold with twin gauge 50 bar single stage nitrogen regulator. Pressure test gauge, isolation valve, purge valve and braided stainless steel line with 1/4 flare connection.

144302 Heavy duty nitrogen pressure test kit 540.90

Nitrogen Purge Tool

This handy tool provides quick and easy way to purge copper pipes with the correct amount of nitrogen. Then, with a turn of the dial, quickly switch to a very low flow of nitrogen to properly braze the copper.

- ✓ Purge Rate
19-23 lpm
- ✓ Braze Rate
2-3 lpm
- ✓ Reduces Nitrogen wastage



200802 DP-1 Nitrogen purge tool 76.25

Braided High Pressure Hose



2m 1/4 fl braided stainless steel hose for pressure testing
200 bar max pressure

167002 2m hose (each) 145.45

2m High pressure Hose Lines



High pressure hoses for pressure testing. 120 bar working pressure fitted with 1/4 or 5/16 (R410) ends

177102 2m 1/4" standard 31.97

177002 2m 5/16" R410 31.97

Leak Detectors

Tif XP-1



- ✓ Tri colour 6 segment display
- ✓ 7 levels of sensitivity
- ✓ 18 alarm levels.
- ✓ Accuracy 3g per year
- ✓ Detects all CFC's, HCFC's, HFC's & R32

103002 XP-1	184.38
72802 sensor pack 3	77.91

Leaktronic-5



- ✓ Accuracy 3g per year
- ✓ Detects HFC, CFC, HCFC, HFO, Hydrocarbons, including R32, R600, R290 & R1234yf
- ✓ Tri colour display
- ✓ Fast response time

240902 Leaktronic-5	183.89
241002 Leaktronic-5 sensor	37.83

Javac Tek-Mate



- ✓ Heated Diode Sensor
- ✓ Accuracy 2g per year
- ✓ Detects all HFC, CFC, HCFC
- ✓ proven D-Tek sensor
- ✓ Very reliable

94602 Tek Mate	222.36
102302 TEK-Mate Sensor	70.32
105502 Filter Tek Mate x 25	24.10

Fieldpiece DR 58 Heated Diode



- ✓ Heated Diode Sensor
- ✓ Bright LCD screen
- ✓ Numerical leak level indicator
- ✓ Accuracy 1g per year
- ✓ Detects all HFC, CFC, HCFC, HFO refrigerants and blends
- ✓ 18 hour usb rechargeable battery

237202 DR58 Leak Detector	251.31
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Mastercool 55800



- ✓ Accuracy 0.5 g per year
- ✓ Meets and exceeds J2791 (R134a) and J2913 (R1234yf).
- ✓ 3 Sensitivity levels
- ✓ Multi colour display
- ✓ Detects all CFC's, HCFC's, HFC's, R32, R-1234yf
- ✓ 2000 hour sensor life

182602 55800	243.54
191002 spare sensor	51.79

Javac D-Tek 3



- ✓ Detects all HCFCs, HFCs, HFOs, blends (including A2Ls), ammonia & SF6
- ✓ Accuracy 1g per year
- ✓ Ultra high sensitivity to all standard refrigerants
- ✓ Compatible with optional CO2 sensor
- ✓ Longest sensor life in the industry

237902 Javac D-Tek 3	558.88
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Fieldpiece DR 82 Infrared



- ✓ Infrared Sensor technology
- ✓ Bright LCD screen
- ✓ Numerical leak level indicator
- ✓ Accuracy 1g per year
- ✓ Detects all HFC, CFC, HCFC, HFO refrigerants and blends
- ✓ usb rechargeable battery

237302 DR82 Leak Detector	345.99
247702 FRW82 Replacement Wand	41.40

Bosch CS LD 1.0



- ✓ Large high contrast graphic LCD
- ✓ Accuracy <1g per year
- ✓ Detects CFC, HCFC, HFC, HFO compounds,
- ✓ HC refrigerants,
- ✓ Tracer Gas
- ✓ Ammonia,
- ✓ Butane
- ✓ Propane
- ✓ 5 year sensor life

238102 Bosch CS LD 1.0	427.43
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Javac Stratus



- ✓ Worlds first hand-held cloud hunting leak detector with LCD readout!
- ✓ Accuracy 1g per year
- ✓ Infrared sensor
- ✓ Detects all CFCs, HCFCs, HFCs, and HFOs
- ✓ 3 operating modes Cloud hunt, Pinpoint & Manual zero

211602 D-Tek Stratus	1134.69
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testo 316-3 Leak Detector


- ✓ Detects all HCFCs, HFCs, CFC, plus R600
- ✓ Accuracy < 4g per year EN14624
- ✓ Led leak strength indicator
- ✓ Automatic zeroing for accuracy and speed of use


196502 testo 316-3 Leak Detector **193.27**
Javac Gas-Mate Trace A Leak


- ✓ For R32 and all standard refrigerants and hydrocarbons
- ✓ TRACE-A-GAS sensitivity hydrogen 5 grams a year.
- ✓ Also detects natural gas, propane, butane, cyclopentane, ethane, ethanol, isobutane
- ✓ Adjustable sensitivity helps pinpoint leaks fast
- ✓ Auto-zeroing for ignoring background gas levels in leak test area


203702 Javac Gas-Mate Leak Detector **299.99**
Spectroline EZ-Ject UV Kit


- ✓ Multi-Dose Cartridge system for systems with up to 7.6 lt oil
- ✓ 2 x 118 ml BigEZ universal/POE dye cartridges
- ✓ Violet light LED leak detection lamp
- ✓ Fluorescence-enhancing glasses
- ✓ Hose, Bleed Valve & fittings
- ✓ 60 ml GLO-AWAY Plus+ dye cleaner

224002 Spectroline EZ-Ject Kit **190.54**
Testo 316-4


- ✓ Detects all HCFCs, HFCs, CFC, plus R600
- ✓ Accuracy <3g per year EN14624
- ✓ Ultra high sensitivity to all standard refrigerants
- ✓ Compatible with optional Ammonia NH3 sensor


163102 Testo 316-4 **445.00**
163202 Optional NH3 Ammonia sensor **168.00**
Mastercool Intella Sense III


- ✓ Combustible Gas Leak Detector
- ✓ Sensitivity 50-1000 ppm
- ✓ Detects :Acetone, Acetylene, Ammonia, Benzene, Butane, Butanol, Chlorine, Ethane, Ethanol, Gasoline, Hexane, Hydrogen, Hydrogen Sulfide, Isobutane, Methane, Methanol, Methyl Acetate, Methyl Chloride, Methyl Ether, Naptha, N-Butane, Pentane, Propane, Propanol, Sulfur Dioxide and Trichloroethane


190102 Intella Sense III **186.36**
Spectroline EZ-Ject UV Kit


- ✓ Single dose for systems with up to 6.7 lt of oil
- ✓ 4 x Assorted UV Glow Sticks
- ✓ Violet light LED leak detection lamp
- ✓ Fluorescence-enhancing glasses
- ✓ Hose, Bleed Valve & fittings
- ✓ 60 ml GLO-AWAY Plus+ dye cleaner

239502 Spectroline Glo-Stick **249.28**
Refco Ref-Locator

- ✓ Accuracy 1.4 g per year
- ✓ Meets and exceeds J2791 (R134a) and J2913 (R1234yf).
- ✓ 3 Sensitivity levels
- ✓ Multi colour display
- ✓ Detects all CFC's, HCFC's, HFC's, HFO
- ✓ 10 year sensor life


177702 Ref-Locator **299.00**
Javac Whisper Ultrasonic Detector

The Whisper leak detector locates the ultrasonic noise emitted by leaks while an Internal Noise Control ensures the instrument is unaffected by audible noise even in noisy environments such as mechanical plant rooms.

Detects leaks through 0.1mm diameter orifice at 5 psig from a 30cm distance


167102 Whisper **326.23**
Spectroline BigEZ UV Kit


- ✓ Multi-Dose Cartridge system for systems with up to 61 lt oil
- ✓ 2 x 118 ml BigEZ universal/POE dye cartridges
- ✓ Violet light LED leak detection lamp
- ✓ Fluorescence-enhancing glasses
- ✓ Hose, Bleed Valve & fittings
- ✓ 60 ml GLO-AWAY Plus+ dye cleaner

239702 Spectroline BigEZ Kit **386.10**

Spectrolene Dye Cartridges



242202 SPE-GS101E-CS 10.34



240202 SPE-GS1E-CS 1E 17.31



222002 SPE-GS2E-CS 2E 22.97



239402 SPE-GS3E-CS 3E 32.43



BigEZ Replacement Cartridges

123802 BEZ-2/E 195.68

Spectrolene Leak Sealant

CoolSeal from Spectrolene. Effective easy to apply system leak sealant. Starter kit comes with 2 15ml cartridges each will treat a system up to 7kw.



201102 Starter Kit 121.11

CoolSeal cartridges to fit standard EZject or BigEZ injectors

201202 EZject 15ml 32.46

201402 BigEZ 60 ml 55.78

Capillary Pliers

Capillary tube cutters that cut without closing up capillary line



72307 CTP-1 9.56

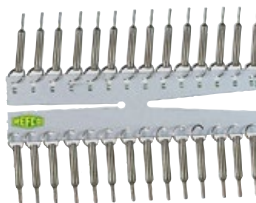
58702 Refco 14215 22.16

Capillary Tube Gauge

Accurately measure internal and external capillary tube sizes with this handy tube gauge.

Imperial and metric and sizing

58602 10971 gauge 62.04



Leak Tested Labels

Leak test completed labels to show when system was last checked.

160402 Label pack 25 4.95

174202 Marker Pen 1.70



Reference Leaks



Calibrated 5 g per year reference leak in a stainless steel housing. Simply attach to a standard refrigerant bottle.

161102 LS-4 R134 132.80

161402 LS-4 R404 132.80

161502 LS-4 R410 132.80

Mastercool UV Cartridge



Universal dye Cartridge - 25 Applications Ester (POE) Oil Base (fits 53400 & 53451 UV kit)

109802 53825 dye 33.17

Concentrated UV Dye

Mastercool 53625 2 oz Bottle of concentrated universal dye 25 Applications Ester (POE) Oil Base for use with all liquid dye injectors



107002 53625 Dye 22.80

Leak Detection Fluids



58502 RoTest 11.15

74706 Easy Find 13.54

71006 RTU Bubble Up 18.15

Absolute Vacuum Gauges



- ✓ Range 0-40Torr /0-50mbar
- ✓ 100mm Diameter
- ✓ Stainless Steel Construction
- ✓ 1/4" Flare Connection

203402 Javac CR2-40 228.39

Mechanical Vacuum Gauges



80mm Vacuum gauge with lazy hand indicator and 1/8 mpt fitting

78907 80mm Vac Gauge 21.18



Refco 80mm vacuum gauge with over pressure protection valve 1/8 mpt fitting 1000 - 0 mbar

47702 19800 gauge 68.68



Large 100mm vacuum gauge with lazy hand indicator and over pressure protection valve 1000 - 0 mbar with 1/2 gas fitting

47802 19801 gauge 110.98

66302 adaptor to 1/4 fl 5.35

94002 repl. safety valve 2.70



100mm High accuracy Absolute vacuum gauge for true readings from 0- 150 mbar 1/4 flare

96702 Refco Torr gauge 433.73

Vacuum Manifolds



Single gauge vacuum manifold with clear 80mm gauge fitted with lazy hand indicator.

79307 Vacuum Manifold 27.98

Refco Vacuum Manifold



Refco 80mm 19800 vacuum gauge mounted on a ball valve manifold. Fits in-line onto standard 1/4 fitting and can be used to isolate the system when vacuum pressure testing.

157502 Gauge & Valve 89.12

Large Bore 3/8 Gauge Lines



Make the most of your vacuum pump by using 3/8 full bore hoses for maximum evacuation of larger systems.

76707 60" Yellow 19.25

65902 72" Refco Yellow 25.47

66002 144" Refco Yellow 39.13

VG1300 Digital Vacuum Gauge



New digital vacuum gauge with backlit digital and bar graph display. Over pressure resistant up to 500 psi. Switchable display units shows Microns, mmHg, mBar, mTorr or Pascals

80907 VG-1300 89.50

VG64 Digital Vacuum Gauge



VG64 - digital Vacuum gauge with sSelectable display can read in Microns, Torr, Mili-Torr, PSI, InHg & Pascals. Now fitted with magnetic hanging strap

102202 VG64 218.61

Probe Companion Manifold



Really useful single port manifold with 1/4 inch connections ideal for use with smart probes etc.

84707 Probe manifold 16.50

Testo 552 Vacuum Gauge

Testo 552 vacuum gauge for high accuracy measurement of system vacuum includes a unique water evaporation temperature display.

- ✓ Bluetooth works with Testo app
- ✓ Range: 1100 - 0 mbar
- ✓ Optical limit alarm



Now using the built in Bluetooth you can monitor vacuum progress via your smartphone, and even record / e-mail the test results using the free testo app for IOS and Android



184902 Testo 552 Digital Vacuum gauge 164.50

Fieldpiece MG44 Digital Vacuum Gauge

This tough, new wireless vacuum gauge, MG44 is engineered to give you the reliable readings you need - and the ease of use you want



- ✓ Three ways to use
- ✓ Stand alone with backlit digital display
- ✓ Connect to and monitor remotely with SMAN manifold 305m range
- ✓ Connect to and monitor wirelessly via Job Link App
- ✓ Water Resistance: IP54

238402 MG44 wireless vacuum gauge 194.00

testo 552i vacuum Smart Probe

Part of the testo 'smart' system, the testo 552i wireless vacuum probe allows simple measurement of system evacuation via a single service port. The testo 552i automatically connects to the testo 550s and 557s digital manifolds and can also be used in conjunction with the 550i via the smart app.



- ✓ Works with the FREE testo Smart App
- ✓ Wireless, hose-free vacuum measurements
- ✓ Connects automatically to 550s and 557s digital manifolds
- ✓ Robust IP54 rated casing

220902 Testo 552i vacuum smart probe 144.37

Vacuum Pumps

Fieldpiece Vacuum Pumps



- ✓ 4 input ports
- ✓ High Performance
- ✓ RunQuick™ oil change system

238902	6 cfm	110/230v	RunQuick VP67UK	451.31
238802	8 cfm	230v	RunQuick VP87UK230	601.58
238702	8 cfm	110v	RunQuick VP87UK	603.65
238602	10 cfm	230v	RunQuick VPX7UK230	850.60
238502	10 cfm	110v	RunQuick VPX7UK	850.60

testo 565i Intelligent Vacuum Pump



- ✓ A2L / A2 / A3 certified
- ✓ 30m Bluetooth
- ✓ Self-starting vacuum hold test
- ✓ Auto-stop function when target vacuum reached
- ✓ Safe for use with A3 and A2L refrigerants
- ✓ Links to testo smart manifolds and probes

257102	7 cfm	240v	Testo 565i 7 cfm	410.00
257202	10 cfm	240v	Testo 565i 10 cfm	565.00

Robinair Vacuum Pumps



- ✓ Can be wired for 110 or 230v
- ✓ 20 micron final vacuum
- ✓ Heavy duty ball isolation valve

64102	3.3 cfm	110/230v	Robinair 15401	550.08
31502	5 cfm	110/230v	Robinair 15601	572.79
110702	8 cfm	110/230v	Robinair 15121	896.27

Robinair A2L Vacuum Pumps



- ✓ High Performance
- ✓ Locking Power Cord
- ✓ Dual voltage, dual frequency motor
- ✓ For use on Class A1, A2, A2L or A3 systems
- ✓ Dual inlet ports (1/4" MFL and 3/8" MFL)
- ✓ Optional Exhaust Venting Kit

257902	2.5 cfm	110/230v	RA-1530-A3 Robinair A3	313.82
258002	4 cfm	110/230v	RA-1550-A3 Robinair A3	366.80
258102	6.5 cfm	110/230v	RA-1580-A3 Robinair A3	529.81

A2 / A2L / A3 Venting Kit

Designed specifically for use with Robinair VacuMaster pumps this exhaust kit attaches to pump exhaust allowing for evacuated gases to be routed to a safe area when servicing systems that use flammable refrigerants.



Length: 10 meters.

258202	RA-1500-A3 Exhaust Venting Kit	68.43
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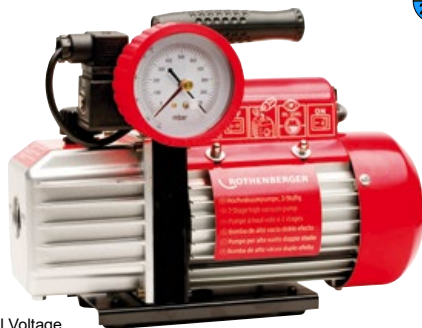
Robinair VacuMaster A2L Vacuum Pumps



- ✓ Suitable for A2L refrigerants
- ✓ Spark free electronic motor cut-out switch
- ✓ Spark free electronic On/Off switch

201702	5 cfm	230v	VacuMaster 15501A-E-A2L	295.71
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Rothenberger Vacuum Pumps



- ✓ Dual Voltage
- ✓ High Performance
- ✓ Solenoid non return valve
- ✓ Built in vacuum gauge

184202	9 cfm	110/230v	Rothenberger R170064	511.68
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Mastercool Black Series Vacuum Pumps

Mastercool's "Black Series" vacuum pumps are durable and time tested to stand up to the most grueling conditions and will provide years of reliable service

- ✓ 3 input ports 1/4", 3/8" fl & 1/2" ACME
- ✓ Integral oil check valve
- ✓ Upgraded seals
- ✓ Refined cartridge



252802	1.5 cfm	220v	Mastercool Black 90059	193.07
246402	2.5 cfm	220v	Mastercool Black 90063	287.37
246502	5 cfm	220v	Mastercool Black 90066	346.00
256302	7 cfm	220v	Mastercool Black 90068	381.88
256402	10 cfm	220v	Mastercool Black 90612	539.92

Rothenberger Vacuum Pumps



- ✓ Dual Voltage
- ✓ Solenoid non return valve
- ✓ Built in vacuum gauge

183002	3 cfm	110/230v	Rothenberger R170062	308.69
183602	6 cfm	110/230v	Rothenberger R170063	384.78



Mastercool Sparkfree Vacuum Pumps

The Mastercool SparkFree has been designed using high quality sealed components making it compatible with all CFC, HCFC, HFC's plus R32, R290 & R600



190702	5 cfm	220v	Mastercool 90066SF	329.00
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Javac Bulldog Vacuum Pumps



- ✓ Dual Voltage
- ✓ A2L / A3 rated
- ✓ Solenoid non return valve
- ✓ 5m fixed lead



242002	5.5 cfm	110/230v	Javac VBD1622 Bulldog A2L/A3	400.02
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Javac Vacuum Pumps



- ✓ Dual Voltage
- ✓ A2L / A3 rated
- ✓ Solenoid non return valve
- ✓ 5m fixed lead



241702	1.4 cfm	110/230v	Javac CC-31 A2L/A3	283.71
241802	5.3 cfm	110/230v	Javac CC-141 A2L/A3	328.59
241902	9 cfm	110/230v	Javac CC-231 A2L/A3	504.92

Recovery Units

Promax RG 3000



UL2008

Recovery Kg/hr	
Liquid	58
Vapour	8



An incredibly compact machine measuring only 25cm high and 30cm long and weighing just 8kg. In fact it is not much larger than the standard vacuum pump. However it still packs a punch thanks to the tried and tested Promax oil-less compressor.

164502 Promax RG3000 230v	705.95
164602 Promax RG3000 110v	705.95

Fieldpiece MR45 Digital Recovery Unit



IP24



Next generation recovery unit with backlight digital display and high performance thanks to it's 1hp variable speed DC motor

209602 Fieldpiece MR45 Digital Recovery Machine 230v	
241202 Fieldpiece MR45 Digital Recovery Machine 110v	997.10

Promax Minimax



UL2008

Recovery Kg/hr	
Liquid	90
Vapour	9



The MiniMax features Promax's proven 96 bar oil-less compressor and is suitable for continuous recovery (liquid / vapour) of most common refrigerants including R410a and R32

110802 Promax Minimax 230v	770.24
116202 Promax Minimax 110v	770.24

Promax RG 5410 Extreme



UL2008

Recovery Kg/hr	
Liquid	111
Vapour	9.6



Upgraded Promax compressor and large 3 row condenser make the Extreme the most powerful version of the RG5410 yet

161202 Promax RG 5410 Extreme Recovery unit 230v	889.31
161302 Promax RG 5410 Extreme Recovery unit 110v	889.31

Vacuum Pump Oil

Essential for the good health and continued performance of your vacuum pump is a regular oil change.



107106 Mastercool 550ml	9.44
56206 Refco DV 061 lt	22.72
60706 Robinair 1 Quart	15.78
60606 Robinair 3.78 lt	62.57
183006 Fieldpiece 1 Quart	13.22
220002 Field RunQuick 8oz Bottles	27.50

Vacuum Pump Spares



Robinair Spares 15401 /15601

113502 Handle assembly	106.78
113602 Base plate	38.46
127002 Drive coupling	74.67
115402 Oil cap	17.99
113402 Gasket set	119.76
Mastercool Spares	
147202 Drive coupling	22.53
151102 Shaft seal	3.36

Rothenberger ROREC Dual voltage Recovery Unit

110v
230v


Recovery Kg/hr	
Liquid	111
Vapour	15

Dual 240/110v recovery machine from with 1/2 hp oil less compressor. Suitable for all commonly used CFC, HCFC & HFC refrigerants

186202 Rorec 230/110v	952.56
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Bosch RG4 Recovery Unit



Recovery Kg/hr	
Liquid	122
Vapour	10.7

Bosch recovery unit suitable for most common refrigerants including all A2L mildly flammable refrigerants such as R32 and R1234YF. Efficient recovery backed by renowned Bosch Quality. A2L / A3 certified

203502 Bosch RG4.0 Recovery Unit 230v	1012.58
203602 Bosch RG4.0 Recovery Unit 110v	1012.58

Javac XTR-ULTRA A2L Recovery Unit



Recovery Kg/hr	
Liquid	120
Vapour	19

Light weight high performance recovery unit, suitable for A2L, HFC, HCFC & CFC refrigerants

241502 XTR-Ultra A2L Recovery Unit 240v	742.49
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Javac XTR-Pro Recovery Unit



Recovery Kg/hr	
Liquid	90
Vapour	15

Spark proof Javac dual voltage recovery unit with X-connect voltage protection

204502 Javac Edge XTR-PRO-DV-A2L Recovery Machine	901.43
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Recovery Cylinders

Twin valve recovery cylinders.

Outright purchase cylinders with no rental charges.

Now available in a mini 6 lt size to save space in your van.

Ideal for recovery or storage



171102 6 lt Cylinder	81.37
108401 12.5 lt Cylinder	116.39
108501 27 lt Cylinder	143.16

Service Piercing Pliers

Perfect for recovery or charging without using line taps.



78507 343 Pliers	32.50
78607 Spare needles	3.58



54202 Refco 14210 Pliers	67.07
65802 Spare needles	5.69

Charging Scales

Mastercool Black Series Electronic Charging Scales



- ✓ Bluetooth® connectivity
- ✓ 110Kg Capacity
- ✓ Charge Programming Function
- ✓ Accuracy: +0.01 Kg or 0.05 %

247402 Mastercool Black Series Electronic Charging Scales 204.97

Mastercool 98310 Wireless Charging Scales

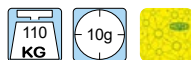


110Kg scale with wireless remote control panels allows you to monitor charge progress remotely.

- ✓ Capacity: 110 kg
- ✓ Resolution: 10 g

171302 98310 Wireless scales 205.82

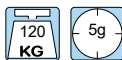
Refco Refscale



- ✓ Connects wireless with REFIMATE and REFMESE systems
- ✓ High accuracy and automatic resolution
- ✓ Programmable alarm

256202 Refco Refscale 364.40

RS-12005 Digital Charging scales



Digital charging scale with 120 kg capacity and a 5 gram resolution. Remote digital control pad and scales can be removed from case for ease of use.



75107 RS12005 120Kg Digital scales 130.90

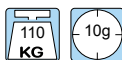
Javac Wey-TEK Bluetooth Scales



High tech bluetooth enabled scale displays via free app on your smart phone (IOS or Android). App features innovative job log recording completed jobs ideal for F-Gas traceability. (*smart phone required*)

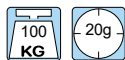
201802 Javac wey-TEK 115Kg Digital scales 238.43

Javac Wey-TEK Scales



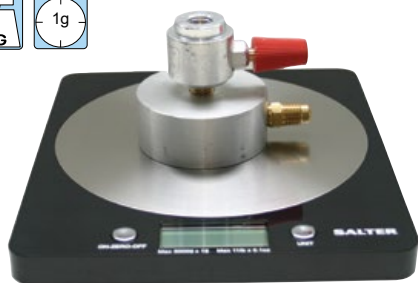
- ✓ Capacity: 110 kg
- ✓ Resolution: 10 g

241402 Weytek Charging Scales 247.73

Tif 9030 Digital Charging scales


Tif 9030 is a compact light weight digital scale designed to be both rugged and easy to carry.

120301 Tif 9030	200.98
166302 Spare Case for 9030	15.00

R600 / R290 Stand & Scale


125102 2Kg Scales plus bottle stand	65.65
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R600 Adaptor and Stand
Cylinder heater blankets


164802 R600 stand	36.32
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R600 Capillary hose


Universal fitting 300w Cylinder heater blankets for faster charging

Polyamid capillary hose 310 mm	60206 220v Blanket	116.01
171002 R600 hose 1/4 fl	88106 110v Blanket	98.40

testo 560i Intelligent Digital Charging scales


New intelligent wireless refrigerant scale integrates with testo smart manifolds and app.

Optional smart valve allows full automation charging process based on weight, subcool or superheat.



Wireless integration with testo manifolds see page 50



240502 testo 560i Digital smart scale with bluetooth	223.19
240602 testo 560i Digital smart scale with intelligent valve	343.12
240702 Intelligent valve for testo 560i smart scale	155.00

Fieldpiece SR47 Intelligent Digital Scales


Wireless integration with Fieldpiece manifolds see page 50



The SR47 scales can be used on their own. But when linked to the SM380V/SM4890V manifolds it provides live weight data direct to the manifold display. Additionally connects to Job Link Mobile System app.

242402 SR47 intelligent digital scales	282.00
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Tubing Tools

Mini Tube Cutters



Compact mini tube cutter for tube up to 5/8". Indispensable item, that should be in every tool box

10307	CT 127	7.51
11007	Spare Wheel	1.91

Tube Cutters

Standard tube cutter for use with tube sizes 1/8 to 1 1/8



10107	CT274	14.85
10807	Spare wheel	1.82



Heavy duty tube cutter with built in tube reamer. With 1 3/8 capacity and multi bearing rollers for a really smooth action

235002	70027 cutter	12.20
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76407	170 HD cutter	24.54
79507	spare wheel	5.15



Rothenberger Ro-Cut 35 with ultra smooth action

For tube sizes 1/4 to 1 3/8

Rothenberger Ro-Cut mini cutter tube up to 1 1/8

84502	RoCut Mini	36.92
87402	Spare wheel	6.51



76902	Ro-Cut 35	50.92
87402	Spare wheel	6.51



Javac mini tube cutter for 1/8-7/8 tube with spring loaded rollers

203902	Mini cutter 1/8-7/8	25.59
239302	Replacement blade	12.34

Javac Edge tube cutter for tube sizes 1/8 to 1 1/4

204002	Cutter 1/8- 1 1/4	36.66
239302	Replacement blade	12.34



Spin Tool Flaring and Swaging Sets

Using an innovative technology Swaging and Flaring SPINs are a new concept in HVAC tools. Producing high quality flares and swages in seconds using a high speed drill. These unique tools use friction to heat and soften the tubing as they form the joint ensuring a tighter better fitting joint.

Better flares with more area of contact between the connection and the flare, for a leak-tight fitting. Easier brazing tight fitting joints mean less brazing material and less effort.



Swaging Kit 1/4-5/8

246302	SSPIN 300	71.91
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Flaring Kit 1/4-3/4

191202	FSPIN 300	92.43
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Telescopic Tube Cutter

Telescopic tube cutter for tube sizes 3/8 to 2 5/8



10407	CT206	42.99
11207	Spare wheel	1.82

Tube De Burrer's



Pencil style

77002P	Standard model	6.00
77002	Mastercool	14.01
142102	2 x blade for 77002	7.59



Round Style

13907	208 plastic	8.75
37107	209 metal	13.50

Ratchet Tube Cutters



Ratchet tube cutters. Ideal solution for tube cutting for all those awkward corners.

75207	1/8 to 1/2 tube	14.03
75307	5/16 to 1 1/8 tube	18.15

Swaging Punches



Multi Size Punches

14307	1/4 to 5/8	5.78
14207	1/2, 5/8 & 7/8	6.85



Single Size Punches

14407	1/4 punch	3.95
14507	5/16 punch	3.95
14607	3/8 punch	3.95
14707	1/2 punch	3.95
14807	5/8 punch	3.95
14907	3/4 punch	4.75

CT278L Tubing Tool Kit



- ✓ Flares: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" and 3/4" O.D.
- ✓ Swages: 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", & 3/4" O.D. tubing
- ✓ CT274 Tube Cutter 1/8 to 1 1/8
- ✓ 4 size Valve ratchet wrench

31307 CT278 Flaring & cutting set with ratchet

60.50

CT275L Flaring - Swaging Kit



- ✓ Flares:
1/8", 3/16", 1/4",
5/16", 3/8", 7/16",
1/2", 5/8" and 3/4"
O.D. tubing
- ✓ Swages:
3/16", 1/4", 5/16",
3/8", 1/2", 5/8",
& 3/4" O.D. tubing

31407 CT275 set

47.30

Imperial 275FS Flaring - Swaging Kit



- ✓ Flares:
1/8", 3/16", 1/4",
5/16", 3/8", 7/16",
1/2", 5/8" and 3/4"
O.D. tubing
- ✓ Swages:
3/16", 1/4", 5/16",
3/8", 1/2", 5/8",
& 3/4" O.D. tubing

101102 Imperial 275FS Flaring tool & swaging set

146.02

Eccentric Flaring Tools

Top Of The Range flaring tool with eccentric cone and automatic torque release. This flaring tool ensures that every flare is perfectly formed every time. The eccentric action also means that even 3/4 tube is flared with no effort at all.



92205 CT808F Eccentric flaring tool

65.00

Mastercool eccentric flaring tool with unique rail system flares up to 7/8 tubing. Railing allows yoke to smoothly travel while keeping the flaring tool and bar aligned



Mastercool™

- ✓ Eccentric head for perfect results
- ✓ 6 Sizes: 1/4, 3/8, 1/2, 5/8, 3/4, 7/8"
- ✓ Rail system for accuracy
- ✓ 3/8" drive socket fitting

174402 Mastercool 70059 eccentric flare tool

102.26

Javac Edge 2-In-1 Flaring - Swaging Kit



- ✓ 7 Sizes: 3/16" 1/4",
5/16",
3/8", 1/2", 5/8", 3/4"
- ✓ Quick Change heads.
- ✓ Tube Positioning Plate
- ✓ Indexing Mechanism
- ✓ Diamond Flaring Cone



204302 Javac Edge 2-In-1 Flaring - Swaging Kit

121.65

Tube Expanders

Pro100 Tube Expander Sets

Tube Expander set with heavy duty cam operated expander handles complete with 6 riveted heads for 3/8", 1/2", 5/8", 3/4", 7/8" & 1 1/8" tube plus an inner / outer reamer.

Excellent quality at a bargain price



40407 Pro100 with 3/8", 1/2", 5/8", 3/4", 7/8" & 1 1/8" heads **189.00**

Javac Edge Tube Expander Set



Tube Expander set from Javac complete with 8 riveted heads including 1/4"

204202 Javac Expander set with 8 heads 1/4" to 1 1/8" **386.10**

Hydraulic Tube Expander Sets

Superb hydraulic tube expander, featuring a right angled handle for ease of use and improved access in tight spaces.

The high pressure handles provide effortless forming of sockets even in half hard tubing.

- ✓ Hydraulic Expander Tool
- ✓ 2 Deburring Tools
- ✓ 9 Heads :
1/4", 3/8", 1/2", 5/8",
3/4", 7/8", 1 & 1/8",
1 & 3/8" & 1 & 5/8"



80407 Hydraulic Expanders set with heads up to 1 5/8" **285.00**

Javac XP9 Hydraulic Expander Set

Single-handed operation and ergonomic design requires less effort

- ✓ Set comes with
- ✓ Hydraulic Expander Tool
- ✓ Deburring Tool
- ✓ 9 Heads :
1/4", 3/8", 1/2", 5/8",
3/4", 7/8", 1 & 1/8",
1 & 3/8" & 1 & 5/8"



257502 Javac Hydra-XP9 Hydraulic Expander 1/4" - 1 5/8" **403.00**

Rothenberger ROLOCK Expander Power Torque Set



Rothenberger RoLock

New RoLock tube expander set complete with 7 heads for 3/8", 1/2", 5/8", 3/4", 7/8", 1 & 1 1/8" tube plus an inner & outer tube reamer

240402 Rothenberger ROLOCK Expander Power Torque Set **407.97**

Replacement Expander Heads

Replacement expander heads can be used with most other makes of expander handle.

60807	3/8" head	37.25
60907	1/2" head	37.25
70007	5/8" head	37.25
70107	3/4" head	37.25
70207	7/8" head	37.25
70307	1 1/8" head	39.00
70407	1 3/8" head	55.00
35207	1 5/8" head	61.50



Replacement Expander Handles

Standard expander handles fit most standard heads.



Hydraulic expander handle fit most standard heads.



40507 Pro100 handle **66.55**

80507 Hydraulic handle **111.00**

Mastercool Hydraulic Tube Expander Sets

Hydra-Swage 71600
Hydraulic tube expander set. Easy expanding using 6,000 psi handles with 7 heads from 3/8" to **1 1/8" tube**

Hydra-Swage 71650
Specification as per 71600 but supplied with 3 extra expander heads for 13/8", 15/8" & **2 1/8" tube**



109102 71600 with 7 heads 3/8" to 1 1/8" **417.16**

109402 71650 with 10 heads 3/8" to 2 1/8" **534.16**

Bending Springs



External style bending springs

13207	1/4 spring	3.14
13307	5/16 spring	2.70
13407	3/8 spring	3.14
13607	1/2 spring	3.14
13707	5/8 spring	4.04
13807	3/4 spring	4.15
85007	Set 1/4, 5/16, 3/8, 1/2, 5/8	16.70

Imperial Triple Head Tube Benders

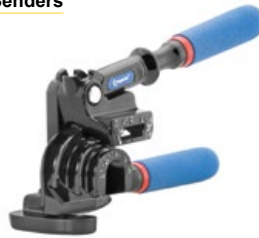


367FH sizes : 1/8", 3/16", 1/4"

212202 Imperial 367FH 34.06

368FH sizes : 3/16", 1/4", 3/8"

212302 Imperial 368FH 41.94



Imperial Triple Head Tube Bender
3/16", 1/4", 5/16", 3/8"

212102 Imperial 470FH 53.21

Imperial® 370 Multi Bender

Bends 1/4",
3/16", 3/8"
and 1/2"
tubing.



Makes smooth,
tight radius
bends up to
180°. Features
cushion grips

174502 370 FH 66.31

Tube Straightening Tool



It's a simple task that you need to do again and again, to straighten coiled or kinked tubing. Using these clever tube straighteners you can get perfectly straight in seconds.

Save huge amounts of time and money Leave tubing perfectly straight

210802	1/4 tube straightener TST14	60.42
210902	3/8 tube straightener TST38	60.42
211002	1/2 tube straightener TST12	60.42
211102	5/8 tube straightener TST58	60.42

Rothenberger Maxi bender

Ratchet action tube bender for precision 90° bends in soft rolled copper

Maxi bender Set for
3/8", 1/2", 5/8", 3/4", 7/8" O.D.

82503 Maxi Bender 269.19



Javac Edge Crossbow bender Set

Bends 1/4", 5/16", 3/8", 1/2",
5/8", 3/4", 7/8" tube

Includes reverse bending
adaptors

204102 JAV-1021Bender 219.34



Not for use with
hard drawn tube

Hydraulic Crossbow Bender

Hydraulic crossbow
style tube bender for
smooth bending of 5
sizes of soft copper
tube.

Bends 3/8, 1/2, 5/8, 3/4
& 7/8 tube

161002 Hydraulic set 415.76



Single Size Tube Benders

Single size hand benders for
easy accurate bending of soft
copper tube



11407	1/4	25.07
11607	3/8	31.90
11707	1/2	35.20

11807	5/8	64.90
11907	3/4	69.30
12007	7/8	89.10

Rothenberger Multi Bender



Heavy duty multi bender Suitable
for tube sizes: 1/2, 5/8, 3/4 & 7/8

Multi bender bag - great for keeping
everything together in the van

75502	RoBend	102.51
182002	Multibender bag	40.94

Crossbow bender Set

Crossbow bender
with ratchet action
for easy accurate
bending of
soft copper tube.

Bends
3/8", 1/2",
5/8", 3/4", 7/8" tube

Includes
CT274 tube cutter
and round
de-burring tool



Not recommended for hard drawn tube

91502 Cross bow bender set for 3/8, 1/2, 5/8, 3/4 & 7/8 119.90

Welding Equipment

Oxyturbo 1000 Brazing Set



The new improved Oxyturbo uses maxigas fuel gas and oxygen to attain temperatures of up to 3000°C. Includes Oxygen contents gauge.

183102 Turbo 1000	175.63
143802 Fuel Gas	15.59
143702 Oxygen	26.36

PortaPak Kits



High Quality brazing kit - includes

- ✓ 2 gauge Oxygen regulator
- ✓ 2 gauge Acetylene regulator
- ✓ 5m hoses
- ✓ Flashback arresters,
- ✓ Brazing torch plus 3 nozzles
- ✓ Welding goggles
- ✓ Cylinder trolley

137402 Porta Pak	376.50
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Rothenberg Super Fire

Rothenberg Super Fire 2 high heat brazing torch with piezo ignition, works with mapp gas or propane

53202 Super Fire 2	124.39
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- ✓ SuperFire 2 Brazing torch
- ✓ Heat Mat
- ✓ Modular RoCase

211502 Super Fire set	129.00
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Welding set spares

Twin gauge regulators for welding sets



137802 Oxygen reg	60.95
137902 Acetylene reg	59.87



Oxy / Acetylene hose sets

137602 5m Hose set	52.88
140702 10m Hose set	55.79



Flash back arresters

138002 Oxygen	38.76
138102 Acetylene	38.76

Welding Sets



Rothenberg 120L Welding kit. Ideal solution to portable welding tasks. Small enough to carry anywhere. Kit comes with 120 bar oxygen cylinder, 5 assorted nozzles. 3100°C flame

90705 Roxy 120	271.24
27306 Maxi Gas	12.65
82602 120l oxygen	55.61

Fuel Gas Refills



Can only be shipped in full box qty

	1-11	12+
45402 Mapp gas	11.49	10.34
27306 Maxi Gas	12.65	11.38
82602 120l oxygen	55.61	50.04

Brazing Torches



Hinton brazing torches available in both single and twin tube models

257602 Single Barrel	55.12
252202 Double Barrel	57.30



Brazing torch & mixer

137702 Torch	139.90
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Welding Tips

71102 No 3 Tip	6.40
71002 No 5 Tip	4.93
71302 No 7 Tip	6.40
71402 No 10 Tip	4.93

Heat Protection Mats

Extreme heat protection mat withstands up to 1200C asbestos-free



173402 Extreme Mat	14.14
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Trigger start torch with 205mm flexible neck for hard to reach spots.

203802 Flexi-Torch	80.31
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Javac Heat Shield



Javac Heat Shield is a reusable heat blocking putty that can be used again and again.

165706 Heat shield	42.31
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Super Fire Extension Hose



1.5m universal mapp / propane torch extension hose with belt hook.

192002 Extension hose	45.59
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Roxy kit spares



106002 Maxi Gas Regulator	27.36
117002 Oxygen Regulator	117.40

Hot Tip Nozzles

Unique Hot Tip hooked nozzles concentrate heat around the pipework by using multiple jets producing even heat around the joint for fast welding.

152102 HotTip 1	43.70
152202 HotTip 2	61.21

Heat Shields



Heat Shield Adjustable shield fits most 'turbo' type torches

30002 Heat Shield	32.30
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Lokring Pliers



MZ - Heavy duty reinforced pliers with offset handle for the assembly of tubes up to 1 1/8 / 28 mm OD.

119802 MZ Pliers 362.60

Jaws not included



MZ-V - Heavy duty handles with 2 adjustable offset handles for getting into the tightest areas. For the assembly of fittings on pipe sizes up to 1 1/8 / 28 mm OD.

134602 MZ-V Pliers 361.86

HMRK-V For the assembly of tubes up to 16 mm OD

239102 HMRK-V Pliers 319.67

Lokring Jaws

Lokring Jaw assemblies (per each) 2 required



126502	8 mm	5/16 jaw	20.84
105202	10 mm	3/8 jaw	20.84
105302	12 mm	1/2 jaw	32.52
105402	16 mm	5/8 jaw	29.00
119902	19 mm	3/4 jaw	31.26
120002	22 mm	7/8 jaw	31.26
145502	28 mm	1 1/8 jaw	44.43
157402	spare jaw pin		4.96

Lokprep 65
Joint sealing fluid



120102 Lokprep 15ml 9.33



Access Tees

138502	1/4	10.01
138702	3/8	12.41
135002	1/2	13.25
134902	5/8	16.38
138602	3/4	16.93
134802	7/8	18.75

Lokring Fittings



Straight Couplers

120502	1/4	3.89
120602	3/8	5.33
120702	1/2	6.56
120802	5/8	9.02
120902	3/4	12.24
121002	7/8	15.23
119301	1 1/8	25.57



Stabilisation Inserts

150302	3/8	1.09
135102	1/2	1.34
134502	5/8	1.66
154802	3/4	2.22
134702	7/8	3.40
170902	1 1/8	4.57

Reducing Couplers

121502	1/4 x 3/8	4.05
119001	3/8 x 1/2	6.56
119101	1/2 x 5/8	8.44
119201	3/4 x 5/8	9.84
119801	3/4 x 7/8	12.57

Elbows

138902	3/8	7.29
118701	1/2	5.96
139002	5/8	17.02
118801	3/4	9.46
118901	7/8	12.98

Conex MaxiPro Fittings

MaxiPro compression fittings



Straight Couplers

Supplied in packs price per fitting

136801	1/4	pack 5	6.43
136901	3/8	pack 5	7.78
137001	1/2	pack 5	7.78
137101	5/8	pack 5	8.10
137201	3/4	pack 2	8.75
137301	7/8	pack 2	9.56
137501	1 1/8	pack 2	11.66
137601	1 3/8	pack 2	17.57



90 Degree Bends

Supplied in packs price per fitting

137701	1/4	pack 5	10.04
137801	3/8	pack 5	10.36
137901	1/2	pack 3	11.00
138001	5/8	pack 3	12.14
138101	3/4	pack 3	13.44
138201	7/8	pack 3	13.92
138401	1 1/8	pack 2	16.84
138501	1 3/8	pack 2	27.26



45 Degree Bends

Supplied in packs price per fitting

143201	1/4	pack 3	8.10
143301	3/8	pack 3	8.10
143401	1/2	pack 3	9.38
143501	5/8	pack 3	10.36
143601	3/4	pack 3	12.63
143701	7/8	pack 3	13.26
143901	1 1/8	pack 2	15.54
144001	1 3/8	pack 2	37.84

Equal Tees

Supplied in packs price per fitting

139401	1/4	pack 3	14.91
139501	3/8	pack 3	15.86
139601	1/2	pack 2	16.85
139701	5/8	pack 2	18.14
139801	3/4	pack 2	19.42
139901	7/8	pack 2	20.41
140101	1 1/8	pack 1	23.30
140201	1 3/8	pack 1	41.36

Welding Rods



Copper to Copper Rod 1Kg packs

21302	Per rod	0.95
21302/1kg	1kg pack	42.50
	Silweld 2 (2% silver content)	
137302	Silweld 2	78.88

Silver Solder (40% silver content)

141602	Pack 5	39.72
21202/15	Pack 15	81.36
31202	250g flux	9.78

Flux Coated Silver Solder

141702	Pack 5	56.10
51002/15	Pack 15	151.41

Abrasive Strips



The "flexible file" used to clean copper tubing before welding. **Waterproof** and double sided use

125902	Mini strip (pk 10)	10.16
126002	Maxi strip 5m	18.42

Cylinder / Welding Keys



152002	Square cyl key	2.75
151902	Multi Spanner	3.10

Nitrogen Purge Tool



A quick and easy way to purge copper pipes with the correct amount of nitrogen. Then, with a turn of the dial, quickly switch to a very low flow of nitrogen to properly braze the copper.

✓	Purge Rate 19-23 lpm	
✓	Braze Rate 2-3 lpm	
✓	Reduces Nitrogen wastage	
200802	Purge tool	76.25

Tool Bags

testo Tool Bags

The testo engineer's backpack is designed to securely hold and protect all the tools and instruments you need for your day's work. It's ideal for large sites or locations where parking is not nearby.

Features include:

- ✓ 100% waterproof hard base
- ✓ Multiple external pockets
- ✓ Multiple internal compartments
- ✓ Laptop holder
- ✓ D-ring hangers



247502 testo tool backpack

59.00

The testo engineer's tool bag is the perfect companion for your daily tasks.

Its smart design offers ample space for all your essentials.

Features include:

- ✓ 100% waterproof hard base
- ✓ Multiple pockets
- ✓ Durable 2100 Denier fabric
- ✓ Dimensions: 11" x 17" x 8"



247602 testo tote bag

49.00

Fieldpiece BG44 - Service Tool Bag

- ✓ Flexible, and compact
- ✓ Rugged, elevated tool rack;
- ✓ Magnetic tray for easy storage
- ✓ Large padded pockets;
- ✓ Multiple pockets and loops



236802 BG44 Backpack

133.60

Fieldpiece BG44 - Inspection Tool Bag

Compact bag for instruments and smaller hand tools great a quick grab bag of tools.

- ✓ Ballistic Ripstop Nylon
- ✓ Magnetic Closure
- ✓ Tape Loop Holder
- ✓ Padded Shoulder Strap



236702 BG36 Inspection Tool Bag

107.20

VETO Tool Bags for Professionals

Designed for the HVAC/R technicians' tools and working environment. VETO tool bags are built to last.

- ✓ Tough plastic handles
- ✓ Heavy duty fastenings and zips
- ✓ Hinged ergonomic handles
- ✓ Large tool pockets
- ✓ Small punch & bit pockets
- ✓ Small neoprene pockets
- ✓ Weatherproof body fabric
- ✓ Industrial Strength Double Nylon Stitching
- ✓ 5 year zero downtime warranty

VETO TECH-PAC Back Pack / Tool Bag

- ✓ Back pack straps for when you need your hands free
- ✓ EVA padded back panel for comfort
- ✓ 46 tool pockets
- ✓ 2 storage bays 4 platforms
- ✓ Dedicated manifold gauge and hose storage pocket
- ✓ Digital Tablet pocket
- ✓ Waterproof base



207602 VETO TECH-PAC Back pack / Tool bag

244.70

TECH-MCT Tool Bag

- ✓ Double sided tool bag
- ✓ 42 tool pockets
- ✓ 2 storage bays
- ✓ Meter/ Instrument storage compartment
- ✓ External pockets
- ✓ Waterproof base
- ✓ 4 D-Ring attachments
- ✓ Quick access pockets for smaller items



208502 VETO TECH-MCT double sided tool bag

133.18

TECH TP4 Tool Pouch

- ✓ Ideal grab bag
- ✓ 20 tool pockets
- ✓ 2 vertical shank pockets
- ✓ Metal belt clip
- ✓ Detachable grip
- ✓ Electrical tape strap
- ✓ Clips onto full size bags



208002 VETO TP4 Tool Pouch

61.17

Inspection Mirrors



92102 C- 1 1/4 round

4.25



91902 E- 2" round ext

6.05



92002 A- 3 1/2 oblong ext

6.60

Handling Equipment



Solenoid valve testing magnets can be used to test valve operation

96701 Standard 15mm

16.27

108201 Large - 18mm ø

16.27

Valve Ratchet Keys

4 size offset valve wrench
1/4, 3/16, 3/8 & 5/16 square



71707 CT124 12.50

4 size offset valve wrench
9/16, 1/2 Hex & 1/4, 3/16 square



13107 CT123 12.50

4 size offset valve wrench
1/4, 3/16, 3/8 & 5/16 square



13007 CT 122 12.75

Refrigeration ratchet wrench 1/4" square drive with 3/16" plus 5/16" square & 9/16" hex openings.



80607 125 Ratchet 19.25

Valve Key Socket Sets

Refco 20 piece refrigeration socket set for refrigeration valves etc. metric sizes.



118902 Metric sizes 255.39

Flare Nut Torque Wrench Sets

Quality wrench set with setting lock for greater accuracy also features additional standard 1/2" drive head. Range 10-80 Nm
Sizes: 17, 22, 24, 26, 27 & 29 mm



76507 Wrench Set 64.90



Refco TW8 torque wrench set
Torque range: 10-75 Newtons
Head sizes: 17, 19, 22, 24, 26, 27 & 29 mm



151302 Refco TW8 102.70

72907 75 Nm 7 pce 48.00

73307 108.5 Nm 7 pce 42.90

Hex Key Sets

Heavy duty 8 pce T handle hex key set with lifetime guarantee sizes 2mm up to 10mm

169402 Pro 58 hex set 26.49

Fin Combs

65002 Refco 14142 19.15



12107 CT352 5.49

Pocket Thermometer

Useful pocket thermometer with min/max and reading hold plus switchable °F / °C display



74807 WT-6 13.95

Panel Mount Thermometers

Battery powered panel mount LCD thermometer range -40 ° to +70°C lead approx. 1.2 m
Panel cut out size 46 x 27 mm



72107 DT100S 10.29



Eliwell Panel mount LCD thermometer -20 ° to +70°C 1.5 m lead cut out size 26 x 59 mm

59306 EWTL300 17.22

Testo 605-H1 Mini Thermohygrometer

- ✓ Measures relative humidity and air temperature
- ✓ Calculates the dew point
- ✓ Ideal for measurements in ventilation ducts and in rooms
- ✓ Temperature range: 0 to +50 °C
- ✓ Humidity range: 5 to 95% RH

194702 testo 605-H1 105.00

testo Mini Data Logger

Compact Mini Data Logger

206602 174H logger 89.00

206702 174H Set 159.00

Chart Recorders

The CR87 chart recorder is a truly universal recorder with 3 temperature ranges from -40 to 50 C & 3 speed ranges up to 7 days. The LED display gives constant temperature read-out.

87105 CR87 338.76

88105 spare pen black 13.04

91705 Assorted charts 18.90

94805 7 day 10/50C chart 25.42

87705 7 day -30/10C chart 28.47

91505 7 day -40/0C chart 28.59

113302 TP15 spare probe 53.17

Dial Thermometer

100mm dial thermometer -40 to +40 °C with 1.5 m capillary and reversible mounting plate that allows for surface or flush mounting

142705 100mm Dial 9.50

Thermometers

K Type probes

General purpose wire probe

97402 Wire probe 6.25



Heavy duty clamp on K-type probe ideal for measuring pipe temperatures etc.

154302 Clamp probe 39.73

Fieldpiece TC48
Large Pipe Clamp Perfect for commercial and refrigeration applications.



Pipe Size :3/4" to 4 1/8" OD
Plug Type: Type K male mini plug
Measurement Range: -46°C to 125°C

237002 TC48 probe 106.40



General purpose / immersion probe with stainless steel stem

97502 Immersion probe 22.28



Contact surface probe

60407 TP02 probe 24.75



Spring type surface contact probe

60507 TP04 probe 27.50



Sensitive air probe for fast accurate air temperature readings

71107 Air probe 35.20



testo robust Waterproof immersion/penetration probe

206002 testo 0602 1293 51.00



500mm long wrap-around velcro pipe probe.
Maximum probe temperature 100°C

164902 velcro probe 35.00



Robust 4mm Ø stainless steel penetration probe with T handle Maximum probe temperature 250°C.

165002 4mm T probe 45.00

YF 307 Thermometer



Reliable twin input dual display digital thermometer

- ✓ Takes any K type probe
- ✓ Twin probe inputs
- ✓ 0.1 degree resolution
- ✓ Min / Max / Hold buttons,
- ✓ Differential readings,
- ✓ °C / °F switchable display
- ✓ Supplied with 2 wire probes.

70607 YF307 60.50

Dual Display Thermometer



Twin input dual display digital thermometer

- ✓ Takes K or J type probes.
- ✓ 0.1 degree resolution
- ✓ Twin probe / twin display,
- ✓ Min / Max / Hold buttons,
- ✓ Differential and Relative readings,
- ✓ °C / °F switchable display,
- ✓ Range -200 °C - 1370 °C
- ✓ Supplied with 2 wire probes.

71607 DT82 59.29

AZ 8908 Thermo Anemometer



Pocket sized folding digital thermo anemometer. Moving vane design offers quick and accurate display of both temperature and air speed.

- ✓ m/s, ft/min, mph
- ✓ Air Speed 1.1 - 20m/sec
- ✓ Display in °F / °C
- ✓ min / max / average & multi point recording

50607 AZ8908 75.00

Testo 410-1 Vane Anemometer



High spec moving vane design offers quick and accurate display of both temperature and air speed.

- ✓ m/s, km/h, fpm, mph, kts, Beaufort
- ✓ Air Speed 0.4 - 20m/sec
- ✓ 40mm vane for accuracy
- ✓ 0.5s sampling rate
- ✓ Illuminated display

193402 testo 410-1 109.00

Fieldpiece ST4 Dual Thermometer


Rugged twin input dual display digital thermometer.

- ✓ Takes any K type probe
- ✓ 0.1 degree resolution
- ✓ Twin probe / twin display,
- ✓ Min / Max / Hold buttons,
- ✓ Differential and Relative readings,
- ✓ °C / °F switchable display,
- ✓ Range -58 °C to 2000 °C
- ✓ Supplied with 2 wire probes.

236502 ST4 Thermometer 79.20

Testo 922-2 Dual Thermometer


High end dual channel thermometer with wireless connectivity.

- ✓ Takes any K type probe
- ✓ Can be used with optional wireless probes and printer
- ✓ 0.1 degree resolution
- ✓ Twin probe / twin display
- ✓ Min / Max / Hold buttons
- ✓ Differential and Relative readings
- ✓ °C / °F switchable display

195702 testo 922-2 129.00

testo 810 Dual Thermometer


testo 810 dual air and infrared surface thermometer, with built in laser pointer.

- ✓ Dual Air / Surface display
- ✓ Differential Display
- ✓ Surface range -30 to +300 °C
- ✓ Air range -10 to +50 °C
- ✓ Accuracy ±1 digit ±1.5 °C
- ✓ Resolution 0.1 °C

193202 testo 810 85.00

testo 830-T2


testo 830-T2 infrared thermometer

- ✓ Laser marking
- ✓ 12:1 optics for accuracy
- ✓ 0.1 °C resolution
- ✓ Easy to use
- ✓ Adjustable emissivity
- ✓ Hold function

205702 Testo 830-T2 65.00

Thermo Hygrometer + IR


AZ8857 Thermo Hygrometer with built in Infrared Thermometer.

- ✓ Air Temperature Humidity
- Temp Range -20 to +50 °C
- ✓ Humidity range 0-99%
- ✓ Display °C / °F
- ✓ Dew Point / Wet Bulb
- ✓ Remote surface temperature
- ✓ Temperature Differential

76007 AZ8857 126.50

Fieldpiece SIG1


SIG1 Infra red thermometer from Fieldpiece

- ✓ Temp Range -30°C to +550 °C
- ✓ Distance spot: 10:1
- ✓ Display °C / °F
- ✓ laser targeting system
- ✓ Last reading hold

242102 SIG1 66.72

52224-D 8 Laser Infra Red


52224D High specification infra red thermometer from Mastercool. The 52224D uses 8 laser beams to show the exact sample area.

- ✓ Temp Range -60°C to +550 °C
- ✓ Distance spot: 12:1
- ✓ Display °C / °F
- ✓ 8 laser targeting system
- ✓ Reading hold

181702 52224-D 101.20

Refco LP-88 Infra Red


Refco LP-88 rugged Infra red thermometer with built-in laser pointer

- ✓ Temp Range -60°C to +550°C
- ✓ Distance spot: 12:1
- ✓ Display °C / °F
- ✓ Reading hold

174002 Refco LP-88 124.10

Electrical Test Equipment

Professional Non Contact Voltage tester



The superb testo 745 for fast initial checking of any suspected fault sources. Gives Audible & visual indication, complete with built in torch

188502 Testo 745 NCV tester

29.00

Fieldpiece SC260 Compact Clamp Meter

Small but powerful compact clamp meter

- ✓ Compact - fits in small spaces
- ✓ Magnetic hanger for handsfree testing;
- ✓ True RMS & Non Contact Voltage;
- ✓ Ability to measure temperature.



236202 SC260 Compact Clamp Meter

114.62

Fieldpiece SC480 Clamp Meter with Power Range

The SC480INT is designed to be at the heart of your electrical measurements.

- ✓ 300m wireless range
- ✓ and Job Link® connection
- ✓ 3 Phase rotation
- ✓ Ability to measure power in kW
- ✓ True RMS & Non Contact Voltage



236302 SC480 Wireless Clamp Meter

261.97

Fieldpiece SC680 Wireless Clamp Meter

Advanced clamp meter with wireless connection to Job Link® System for electrical documentation

- ✓ Non contact voltage indicator
- ✓ Voltage AC 750v / 1000v
- ✓ AC/DC clamp
- ✓ AAC inrush for motor start
- ✓ Test 3-phase with two leads
- ✓ Power Meter for HVACR with Direct Integration with Job Link® System App



232002 SC680 Wireless Clamp Meter

300.64

Fieldpiece SMG5 Digital Megohm Meter

SMG5 - Digital Megohm Meter offers smart and convenient Megohm Meters to check compressor insulation.

- ✓ One handed testing
- ✓ Backlit LCD display
- ✓ Compact nature
- ✓ Measure up to 2000 megohm



210102 SMG5 Digital Megohm Meter

107.69

Refco Inverter Tester

Inverter tester - excellent for fault finding on inverter compressor systems.



154602 ICM4000

104.89

154702 Clip lead set

35.80

Insulation Tester

Digital insulation tester offering 3 insulation ranges, plus voltage and continuity test.

- ✓ AC Voltage 600v
- ✓ DC Voltage 600v
- ✓ 250v 0.1-2000 MΩ
- ✓ 500v 0.1-2000 MΩ
- ✓ 1000v 0.1-2000 MΩ
- ✓ Continuity buzzer



60207 YF 509

130.90

Digital Capacitor Tester



Gives instant read out of capacitor value. Range 0.01 to 10,000 MFD

75302 MFD 10

85.00

Supco Insulation Tester

A reliable but inexpensive 1000 MΩ / 500v insulation tester
Simple led display shows results from 20 to 1000 megohm's



75102 M500

111.26

Tenmars TM-16E 600A Digital Clamp Meter

Compact LCD digital 600A clamp meter

- ✓ AC Current 600A
- ✓ AC Voltage 600v
- ✓ DC Voltage 600
- ✓ Resistance
- ✓ Continuity Buzzer
- ✓ max / min / peak hold



71307 TM-16E

47.85

Tenmars TM-2011 600A Digital Clamp Meter

- ✓ AC Current 600A
- ✓ AC Voltage 750v
- ✓ DC Voltage 1000
- ✓ Frequency 660 KHz
- ✓ Resistance
- ✓ Continuity Buzzer
- ✓ max / min / peak hold



78307 TM-2011

71.39

testo 750 Voltage Tester

Testo 750 is the first range of Voltage Testers with an all-round LED display. This means the display can be seen from all angles.

The 750-2 is suitable for single pole voltage testing and has a torch along with an RC trigger function. Vibrating load buttons ensure that the trigger test cannot be carried out accidentally.

In addition, the testo 750-3 is fitted with an LCD display to show the current reading.

- ✓ Clear, patented all-round LED display
- ✓ Fibre-optic technology for optimum voltage indication
- ✓ Phase rotation check
- ✓ Ergonomic handle shape
- ✓ Measuring point illumination



Features / Model	750-1	750-2	750-3
AC/DC voltage		12 to 690 V	
Input impedance		< 500 kΩ	
Phase sequence testing		100 to 690 V AC at 50/60 Hz	
Single probe voltage testing		100 to 690 V AC at 50/60 Hz	
GFCI test function	-	✓	✓
3-Digit LCD	-	-	✓
Continuity Testing	✓	✓	✓
Measuring point illumination	-	✓	✓
	188602	188702	188802
	49.00	75.00	95.00

testo 755 Current Tester

The 755 range of current / voltage testers are ideal for the majority of daily electrical measuring tasks, measuring both current and voltage. The intuitive design automatically selects the correct setting for the application.

An integrated torch is handy for those darker areas.

The **755-2** model has a larger current range of up to 1000V as well as special additional functions, such as single pole phase testing and rotating magnetic field measurement.

- ✓ Automatic measurement parameter detection
- ✓ Measurement without any switching on or selection
- ✓ Measuring point illumination
- ✓ Exchangeable measuring tips



Features / Model	755-1	755-2
AC/DC voltage	6 to 600 V	6 to 1,000 V
AC current		0.1 to 200A AC
Resistance range MΩ		30Ω to 100kΩ
Rotating magnetic field testing		>100 to 690 V
Single pole phase testing at 50/60 Hz		100 to 690 V AC
Continuity Testing	✓	✓
Measuring point illumination	✓	✓
	189202	189302
	119.00	145.00

testo 760 Digital Multimeter

Top quality multimeter from testo with Auto test-setup which selects correct configuration and prevents switching from V to A or A to V if leads are not in the proper socket.

- ✓ Exclusive Auto Test Setup
- ✓ AC / DC Current 10A
- ✓ AC / DC Voltage 600V
- ✓ Resistance 0.1-40 M/ohms
- ✓ Capacitance to 100 μF



Features / Model	760-1	760-2	760-3
AC/DC voltage		600 V	1000 V
AC/DC current	1 mA to 10 A		0.1 μA to 10 A
Resistance range MΩ	0.1 to 40		0.1 to 60
Frequency range max		500 kHz	60 MHz
Capacitance max	100 μF	30,000 μF	60,000 μF
Temperature range	-	-20 to +500°C K type input	
Continuity Testing	✓	✓	✓
True RMS	-	✓	✓
Diode Test	✓	✓	✓
	188902	189002	189102
	89.00	140.00	170.00

testo 770 Digital Clamp Meter

The testo 770 Clamp Meter has a unique retractable pincer mechanism for grabbing cables in tight spaces, and automatic measurement parameter detection.

The **770-1** is perfect for the majority of daily measuring tasks.

The **770-2** adds a μA range and a K thermocouple input.

The **770-3** features additional performance measurement function and can be connected to the testo Smart Probes App plus the facility to measure Power/Wattage, with auto-calculation.



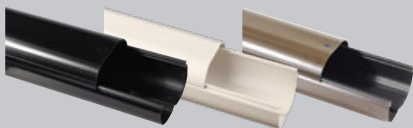
Features / Model	770-1	770-2	770-3
AC/DC voltage	1 mV to 600 V		0.1 mV to 600 V
AC/DC current	0.1 to 400 A		0.1 to 600
Resistance range MΩ	0.1 Ω to 40 MΩ		0.1 Ω to 60
Watts / Power factor	-	-	100KW / 0.1 to 1.0
Capacitance max		100 μF	60,000 μF
Continuity Testing	✓	✓	✓
Bluetooth / App	-	-	✓
	189402	189502	189602
	115.00	155.00	205.00

Trunking



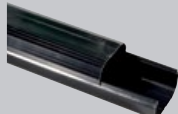
White	Trunking 2m length	1 off	Box Qty / £
80 mm	137806 80 x 60	15.52 (8)	13.19
90 mm	104906 90 x 65	14.85 (8)	12.62
125 mm	105006 125 x 75	21.87 (6)	18.59
Matt Black	Trunking 2m length		
90 mm	178306 90 x 65	14.83 (8)	12.61

INABA DENKO



Black	Trunking 2m length	1 off	Box Qty / £
75 mm	157206 75 x 63	23.66 (5)	20.11
100 mm	169306 100 x 70	35.87 (5)	30.49
Brown	Trunking 2m length		
75 mm	180306 75 x 63	25.10 (5)	21.34
White	Trunking 2m length		
75 mm	251606 75 x 63	24.20 (10)	20.57
100 mm	251506 100 x 70	25.44 (10)	21.62

S R W



Black	Trunking 2m length	1 off	Box Qty / £
80 mm	176406 80 x 60	13.91 (8)	11.82
100 mm	177106 100 x 68	19.55 (6)	16.62

INDAC



Ivory	Trunking 2m length	1 off	Box Qty / £
60 mm	32606 57.5 x 58	13.75 (5)	11.69
75 mm	32706 74 x 62	15.66 (5)	13.31
100 mm	35706 99 x 68	23.83 (5)	20.26
White			
75 mm	166006 74 x 62	15.66 (5)	13.31



Ivory	Trunking 2m length	1 off	Box Qty / £
75 mm	77306 70 x 65	24.63 (10)	20.94
105 mm	77406 100 x 75	30.87 (6)	26.24

S R W

Telephone 01273 455530

S R W

Fieldpiece Vacuum Pumps



The latest industry innovation from Fieldpiece has arrived, the new RunQuick range of durable, sturdy vacuum pumps with unique easy to use hose valve ports that keep hoses in line.

Featuring the revolutionary RunQuick™ Oil Management System that allows you change the oil in under 20 seconds even while in use plus massive backlit oil window and spare oil storage.

238902	6 cfm	110/230v	VP67UK	451.31
238802	8 cfm	230v	VP87UK230	601.58
238702	8 cfm	110v	VP87UK	603.65
238602	10 cfm	230v	VPX7UK230	850.60
238502	10 cfm	110v	VPX7UK	850.60

testo Heat Pump Kits



testo Heat Pump starter kits for accurate measurements in the commissioning, servicing and maintenance of heat pumps, refrigeration, or air-conditioning systems.

	Manifold and Kit Components		
	550i	550s	557
2 x 115i clamp thermometers	✓	✓	✓
770-3 Clamp Meter	✓	✓	✓
560i digital refrigerant scale		✓	✓
560i intelligent valve			✓
552i vacuum Smart Probe			✓
Transport case	✓	✓	✓
	256802	256902	257002
	378.49	719.14	868.19