

ALL CONTROLS

HVACR Product Catalogue

Version 1.2

Who we are?

All Controls was established in 1969 as a Wholesale and Importing Company.

In its early years, our main business was the sale of elements and thermostats to local hot water system manufacturers. In the early eighties, the Dampier to Bunbury natural gas pipeline was installed. This opened a whole new market for All Controls. All Controls became a major supplier of Commercial, Industrial and Residential gas controls to the market in Western Australia. In recent times All Controls has expanded its network to include sales offices in Queensland, Victoria, and Auckland New Zealand. We also have warehouse facilities in Victoria, Western Australia and New Zealand.

Of recent times All Controls has also become a distributor of a wide range of Refrigeration & HVAC equipment.



Our Brands

Maneurop[®]
RECIPROCATING COMPRESSORS

Copeland[®]

Dixell[™]

Supco

Honeywell

Danfoss

 **Mastercool**[®] Inc.
"World Class Quality"

 **SANHUA**

embraco



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LOW BACK PRESSURE COMPRESSORS

DANFOSS COMPRESSORS R404A/R507 220-240V LBP

- Suitable for R507/R404A low temp applications

Part Number	Code No.	Oil Cool- ing	Nomi- nal HP	ASHARE Capacity (W)										Displ. Cm3	Unit	Qty
				Evaporating Temperature (C)												
				-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-5			
SC12CL	104L2623	N/A	3/8	58	140	237	353	490	541	650	835	1048	1292	12.87	EA	1
SC15CL	104L2853	N/A	1/2	N/A	151	299	452	615	673	792	988	1208	1458	15.28	EA	1
SC18CL	104L2123	N/A	5/8	167	271	395	542	715	781	918	1154	1425	1735	17.69	EA	1
SC21CL	104L2322	N/A	7/8	226	325	455	617	813	887	1042	1306	1606	N/A	20.95	EA	1



MEDIUM BACK PRESSURE COMPRESSORS

DANFOSS COMPRESSORS R134A 220-240V LBP

- Suitable for R134A low to medium temp applications

Part Number	Code No.		Nominal HP	ASHARE Capacity (W)										Displ. Cm3	Unit	Qty
	Nominal	Oil Cooling		Evaporating Temperature (C)												
				-20	-15	-10	-6.7	-5	0	5	7.2	10				
SC12G	104G8240	104G8250	1/3	252	348	464	553	603	768	690	1054	1182	12.87	EA	1	
SC15G	104G8520	104G8530	3/8	290	424	568	672	728	908	1110	1207	1340	15.28	EA	1	
SC18G	104G8820	104G8830	1/2	394	526	684	804	870	1087	1337	1459	1624	17.68	EA	1	
SC21G	104G8140	N/A	5/8	453	606	793	934	1013	1269	1561	1700	1889	20.95	EA	1	

DANFOSS COMPRESSORS R404A 220-240V LBP

- Suitable for R404A low to medium temp applications

Part Number	Code No.		Nominal HP	ASHARE Capacity (W)										Displ. Cm3	Unit	Qty
	Nominal	Oil Cooling		Evaporating Temperature (C)												
				-20	-15	-10	-6.7	-5	0	5	7.2	10				
SC12MLX	104L2606	N/A	5/8	699	838	1038	1188	1272	1542	1852	2001	N/A	12.87	EA	1	
SC15MLX	104L2869	N/A	3/4	829	1038	1285	1471	1574	1909	2293	N/A	N/A	15.28	EA	1	
SC18MLX	104L2139	N/A	7/8	968	1210	1497	1712	1832	2220	2665	N/A	N/A	17.68	EA	1	



DANFOSS COMPRESSORS

SECOP NL SERIES

- Suitable for R134A low to medium temp applications

Part number	Series	Nominal HP	Disp. (CC)	Capacity (-5c)	Voltage	Refrigerant	Back pressure	Unit	Qty
NL8.4MF	NL	1/4	8.4	445W	220-240V 50HZ	R134A	LBP/MBP/HBP	EA	1
NL10MF	NL	1/3	11.15	591W	220-240V 50HZ	R134A	LBP/MBP/HBP	EA	1



LOW BACK PRESSURE COMPRESSORS

DANFOSS COMPRESSORS R404A 220-240V LBP/MBP

- Suitable for R404A low to medium temp applications

Part number	Series	Nominal HP	Disp. (CC)	Capacity (-23.3c)	Voltage	Refrigerant	Back pressure	Unit	Qty
GS26CLX	GS	1	26.3	1243W	220-240V 50HZ	R404A	LBP/MBP	EA	1
GS34CLX	GS	1 1/4	33.8	1754W	220-240V 50HZ	R404A	LBP/MBP	EA	1



EMBRACO COMPRESSORS

EMBRACO NEU SERIES

- Suitable for R134A low to medium temp applications

Part number	Series	Nominal HP	Disp. (CC)	Capacity (-5c)	Height (MM)	Weight (KG)	Refrigerant	Unit	Qty
EMY6170Z	NEU	1/4	8.0	508W	171	7.7	R134A	EA	1
NEU6187Z	NEU	1/3	10.0	650W	187	10.5	R134A	EA	1
NEU6210Z	NEU	1/2	12.1	780W	200	10.6	R134A	EA	1
NEU6212Z	NEU	1/2	14.3	892W	200	11.2	R134A	EA	1
NEU6214Z	NEU	1/2	16.8	1047W	206	11.6	R134A	EA	1
NT6217Z	NEU	3/4	20.4	1173W	220	17	R134A	EA	1
NJ6226Z	NEU	1	34.4	1892W	253	19.8	R134A	EA	1

EMBRACO COMPRESSORS

EMBRACO FF SERIES

- Suitable for R134A low to medium temp applications

Part number	Series	Nominal HP	Disp. (CC)	Capacity (-5c)	Voltage	Refrigerant	Back pressure	Unit	Qty
FF8.5HBK	FFI	1/4	7.95	506W	220-240V 50HZ	R134A	LBP/MBP/HBP	EA	1
FFI10HAK	FFI	1/3	9.06	636W	220-240V 50HZ	R134A	LBP/MBP/HBP	EA	1
FFI12HBK	FFI	1/3	11.14	787W	220-240V 50HZ	R134A	LBP/MBP/HBP	EA	1



EMBRACO COMPRESSORS

EMBRACO NEU SERIES

- Suitable for R404A low temp applications

Part number	Series	Nominal HP	Disp. (CC)	Capacity (-25c)	Height (MM)	Weight (KG)	Refrigerant	Unit	Qty
NEU2168GK	NEU	¾	14.3	642W	206	11.6	R404A	EA	1
NEU2178GK	NEU	1	16.8	753W	206	11.6	R404A	EA	1
NT2192GK	NEU	1	22.4	869W	234	17.5	R404A	EA	1
NJ2212GK	NEU	1.5	34.3	1546W	277	21.5	R404A	EA	1

EMBRACO COMPRESSORS

EMBRACO FF SERIES

- Suitable for R134A low to medium temp applications

Part number	Series	Nominal HP	Disp. (CC)	Capacity (-5c)	Height (MM)	Weight (KG)	Refrigerant	Unit	Qty
NEU6181GK	NEU	1/3	7.3	730W	187	10.4	R404A	EA	1
NEU6212GK	NEU	1/2	8.8	970W	200	10.6	R404A	EA	1
NEU6215GK	NEU	3/4	12.1	1342W	206	11.5	R404A	EA	1
NEK6217GK	NEU	3/4	14.3	1411W	206	11.6	R404A	EA	1
NT6222GK	NEU	3/4	17.4	1635W	220	17.2	R404A	EA	1
NT6226GK	NEU	1	21.7	2143W	234	17.5	R404A	EA	1
NJ9232GK	NEU	1.25	26.1	2413W	277	21.6	R404A	EA	1
NJ9238GK	NEU	1.5	32.7	2970W	277	22.1	R404A	EA	1



SCROLL COMPRESSORS

COPELAND ZR COMPRESSORS 3 PHASE

- Compressor stub connection Copeland ZR Compressors 3 Phase

Part Number	Displacement (ME/HR)	Watts	Weight (KGS)	Full Load (Amps)	Connection (Suction)	Connection (Discharge)	Unit	Qty
COPZR42KCTFD	9.95	10250 (7.2C/R22)	30.40	9.00	3/4	1/2	EA	1
COPZR47KCETFD522	11.16	11500 (7.2C/R22)	29.90	10.00	7/8	1/2	EA	1
COPZR57KCETFD	13.43	13900 (7.2C/R22)	36.30	11.00	7/8	1/2	EA	1
COPZR61KCETFD	14.37	14900 (7.2C/R22)	37.20	11.00	7/8	1/2	EA	1
COPZR68KCETFD	16.18	16800 (7.2C/R22)	38.60	13.00	7/8	1/2	EA	1
COPZR72KCETFD	17.06	17700 (7.2C/R22)	38.60	13.00	7/8	1/2	EA	1
COPZR81KCETFD	18.75	19900 (7.2C/R22)	39.90	15.00	7/8	1/2	EA	1
COPZR94KCETFD	22.10	23300 (7.2C/R22)	57.20	16.00	1 1/8	7/8	EA	1
COPZR108KCETFD	24.90	26400 (7.2C/R22)	60.30	17.00	1 3/8	7/8	EA	1
COPZR125KCETFD522	29.10	31100 (7.2C/R22)	61.20	19.00	1 3/8	7/8	EA	1
COPZR144KCETFD	33.20	35200 (7.2C/R22)	61.20	22.00	1 3/8	7/8	EA	1
COPZR160KCETFD	36.40	37700 (7.2C/R22)	64.90	28.00	1 3/8	7/8	EA	1
COPZR190KCETFD	43.30	45900 (7.2C/R22)	66.20	34.00	1 3/8	7/8	EA	1
COPZR250KCETFD	56.60	56600 (7.2C/R22)	140.00	41.00	2 1/4	1 3/4	EA	1



Danfoss Reciprocating compressors for air conditioning applications in medium and high temperatures with refrigerants R407A, R407C, R407F, R134a, R22. Danfoss reciprocating compressors are suitable for parallel mounting (racks). MTZ: medium and high evaporating temperatures (R407A, R407C, R407F, R134a). MT: medium and high evaporating temperature (R22). MTM: medium and high evaporating temperature manifold (R22).

RECIPROCATING COMPRESSORS

MANEUROP MTZ SERIES COMPRESSORS

- Phase 3 R22 Refrigerant
- 380/415v
- 50Hz

Part Number	Oil Charge (L)	Displacement (ME/HR)	W (-5C/R22)	Weight (KG)	Full Load (Amps)	Connection (Suction)	Unit	Qty
MTZ36-4VI	0.95	10.52	6010	25	6.4	1 1/4 X 5/8	EA	1
MTZ40-4VI	0.95	11.81	6610	26	7.1	1 1/4 X 5/8	EA	1
MTZ44-4VI	1.8	13.26	6690	37	6.8	1 3/4 X 7/8	EA	1
MTZ50-4VI	1.8	14.9	7490	37	8.2	1 3/4 X 7/8	EA	1
MTZ51-4VI		0	7722	37		1 3/4 X 7/8	EA	1
MTZ56-4VI	1.8	16.73	8290	39	8.6	1 3/4 X 7/8	EA	1
MTZ57-4VI		0	9066	39	10	1 3/4 X 7/8	EA	1
MTZ64-4VI	1.8	18.74	9830	39	10	1 3/4 X 7/8	EA	1
MTZ72-4VI	1.8	21.04	11180	41	12.1	1 3/4 X 7/8	EA	1
MTZ80-4VI	1.8	23.63	13130	41	13.6	1 3/4 X 1 1/8	EA	1
MTZ100-4VI	3.9	29.8	14340	60	15.7	1 3/4 X 1 1/8	EA	1
MTZ125-4VI	3.9	37.49	19190	64	19.3	1 3/4 X 1 1/8	EA	1
MTZ144-4VI	3.9	42.09	21650	67	21.4	1 3/4 X 1 1/8	EA	1
MTZ160-4VI	3.9	47.25	24090	69	25.7	1 3/4 X 1 1/8	EA	1



SCROLL COMPRESSORS

MANEUROP SM SERIES COMPRESSORS

- Phase 3 R22 Refrigerant
- 380/415v
- 50Hz

Part Number	Oil Charge (L)	Displacement (CM3/REV)	KW (7C/R22)	Weight (KG)	Full Load (Amps)	Connection (Suction)	Connection (Discharge)	Unit	Qty
SM110-4VI	3.25	144.2	29	80	20	1 3/8	7/8	EA	1
SM115-4RI	3.8	26.97	30	80	22	1 3/8	7/8	EA	1
SM120-4VI	3.25	166.6	33.7	80	24	1 3/8	7/8	EA	1
SM125-4RI	3.8	166.6	33.2	80	24	1 3/8	7/8	EA	1
SM148-4VAI	3.6	199	36.1	93	29	1 3/8	7/8	EA	1
SM161-4VAI	3.3	216.6	43.4	86	31	1 5/8	1 1/8	EA	1
SM185-4RI	6.6	249.9	50.5	103	35	1 5/8	1 1/8	EA	1



SCROLL COMPRESSORS

MANEUROP SZ SERIES COMPRESSORS

- Phase 3 R22 Refrigerant
- 380/415v
- 50Hz

Part Number	Oil Charge (L)	Displacement (CM3/REV)	KW (7C/R22)	Weight (KG)	Full Load (Amps)	Connection (Suction)	Connection (Discharge)	Unit	Qty
SZ084-4VI	3.25	114.5	22.8	72	17	1 1/8	3/4	EA	1
SZ100-4VI	3.25	127.2	25.8	72	19	1 1/8	3/4	EA	1
SZ120-4VI	3.8	166.6	33.7	80	29	1 3/8	7/8	EA	1
SZ148-4VAI	3.6	199	40	88	32	1 3/8	7/8	EA	1
SZ160-4RAI	POE 4	216.6	43	94	35	1 3/8	7/8	EA	1
SZ185-4RI	POE 6.6	249.8	49.8	103	35	1 5/8	1 1/8	EA	1



ORIFICES

DANFOSS ORIFICE T2 SERIES

- Orifice that suits T2 Series valves

Part Number	Orifice Number	Rated Capacity (TR)				Rated Capacity (kW)				Unit	Qty
		R22	R407C	R134A	R404A	R22	R407C	R134A	R404A		
					R507				R507		
DANOR0X	0X	0.15	0.16	0.11	0.11	0.5	0.5	0.4	0.38	EA	1
DANOR00	0	0.3	0.3	0.25	0.21	1	1.1	0.9	0.7	EA	1
DANOR01	1	0.7	0.8	0.5	0.45	2.5	2.7	1.8	1.6	EA	1
DANOR02	2	1	1.1	0.8	0.6	3.5	3.8	2.6	2.1	EA	1
DANOR03	3	1.5	1.6	1.3	1.2	5.2	5.6	4.6	4.2	EA	1
DANOR04	4	2.3	2.5	1.9	1.7	8	8.6	6.7	6	EA	1
DANOR05	5	3	3.2	2.5	2.2	10.5	11.3	8.6	7.7	EA	1
DANOR06	6	4.5	4.9	3	2.6	15.5	16.7	10.5	9.1	EA	1

THERMOSTATIC EXPANSION VALVES

DANFOSS THERMOSTATIC EXPANSION VALVES

Part Number	Description	Unit	Qty
DANTN2	TX VALVE R134A INT FLARE	EA	1
DANTN2S	TX VALVE R134A INT SOLDER	EA	1
DANTEN2	TX VALVE R134A EXT FLARE	EA	1
DANTEN2S	TX VALVE R134A EXT SOLDER	EA	1
DANTS2	TX VALVE R404A INT FLARE	EA	1
DANTS2S	TX VALVE R04A INT SOLDER	EA	1
DANTES2	TX VALVE R404 EXT FLARE	EA	1
DANTES2S	TX VALVE R404 EXT SOLDER	EA	1



REVERSING VALVES

4 WAY REVERSING VALVE

- Switch between cooling and heating mode by changing the flow of the refrigerant
- The solder connection at the pilot tube and valve allows for increased reliability and low leakage probability
- The Reversing Valves are compatible with all common HCFC and HFC refrigerants
- UL recognized with a maximum operating pressure of 650 psig

Part Number	Description	Ranco	Saginomiya	Unit	Qty
SANSHF-19008	REV VALVE SHF L-4H-23U-51 5/16 X 3/8 1		STF-0101G	EA	1
SANSHF-19009	REV VALVE SHF G-7C-34U 3/8 X 1/2 2 TON	V2-408064-2IL	STF-0202G	EA	1
SANSHF-19014	REV VALVE SHF L-11H-45D1-51 1/2 X 5/8 3	V3-410084-7IL	STF-0310G	EA	1
SANSHF-50022	REV VALVE SHF-20D-46-02 1/2 X 3/4 6 TON	V6-412084-1IL	STF-0408G	EA	1
SANSHF-50044	REV VALVE SHF-35B-47-04 1/2 X 7/8 10 TON	V10-414084-2IL		EA	1
SANSHF-50027	REV VALVE SHF-35B-67-04 3/4 X 7/8 10 TON	V10-414124-2IL	STF-0101G	EA	1
SANSHF-50048	REV VALVE SHF-35B-79-04 7/8 X 1 1/8 10 T	V10-418144-2IL	STF-00720G	EA	1
SANSHF-50016	REV VALVE SHF-50-911D2 1 1/8 X 1 3/8 11	V12-4220T4-1IL	STF-2017G	EA	1

Part Number	Description	Ranco	Saginomiya	Unit	Qty
SANSHF410FA4	REV VALVE COIL SANHUA 24V W/SPDE	LDL-11 (L30-120000-00)		EA	1
SANSHF-56005	5 REV VALVE COIL SQ-A25024-000001 24V LEAD	LDL-41		EA	1
SANSHF-56004	REV VALVE COIL SQ-A2511A-000001 110V LEA			EA	1
SANSHF410FA5	REV VALVE COIL SANHUA 240V W/SPDE	LDL-41 (L30-420000-57)		EA	1
SANSHF-56001	REV VALVE COIL SQ-A25 22G-00 0001 240V L	LDL-41		EA	1



Mastercool

Mastercool is a family owned and operated company that has been supplying professional air conditioning, service tools and equipment for over 35 years.

As one of the fastest growing companies in this market, Mastercool's name is synonymous with "World Class Quality" and uniquely innovative product design. With our never-ending focus on new technology, Mastercool has been awarded many patents worldwide.

In addition to Mastercool's headquarters located in the United States, our Belgium and Brazil offices also features a full inventory and staff. This has enabled us to set up distribution to over 60 countries demonstrating that we are truly a multi-national company.

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Mastercool[®] Inc.
"World Class Quality"

CHARGING & RECOVERY

CHARGING SCALES AND ACCESSORIES

- CHARGE PROGRAMMING: Allows user to program desired quantities. Before charge is complete, an alarm will sound allowing ample time to turn off refrigerant supply
- PAUSE/CHARGE (Using the 98230 Charging Solenoid Module): This feature allows user to stop and continue charging
- TANK CAPACITY PROGRAMMING: EMPTY/FULL tank feature allows user to know the amount of refrigerant in the tank at any time
- REPEAT: Allows user to charge previously stored amount

Part Number	Description	Unit	Qty
MC98210-BL	REFRIGERANT SCALE ACCU-CHARGE II 110KG	EA	1
MC98210-A-PB	CARRY CASE FOR 98210-A	EA	1



WIRELESS CHARGING SCALE WITH SOLENOID

- Wireless unit prevents unwanted tangles in wires
- Easily store the remote in the body of the platform
- Extremely accurate weight sensor
- Battery life symbol for platform and remote constantly displayed on LCD

Part Number	Description	Unit	Qty
MC98315	WIRELESS CHARGING SCALE WITH SOLENOID	EA	1



HIGH PRECISION CHARGING SCALE

- Accurately measures small cans of refrigerant for charging systems that need a precise charge
- Hex cylinder adapter included for easy attachment of refrigerant cylinder to scale
- Specially designed for R600a and R290
- Built in check valve will hold any remaining refrigerant within the 36" nylon tube

Part Number	Description	Unit	Qty
MC98201	HIGH PRECISION CHARGING SCALE	EA	1
MC98202	HIGH PRECISION CHARGING SCALE W/CASE	EA	1



RECOVERY EQUIPMENT

TWIN TURBO REFRIGERANT RECOVERY SYSTEM

- Revolutionary double piston oil-less compressor
- Safety high pressure switch
- Simple internal structure for field service
- Largest volume recovery rate in market
- For use with all refrigerants including R410A
- 220V – 50/60Hz



Part Number	Description	Unit	Qty
MC69300-220	TWIN TURBO REFRIGERANT RECOVERY SYSTEM	EA	1

SPARK FREE COMBUSTIBLE GAS RECOVERY MACHINE

- Revolutionary double piston oil-less compressor
- Safety high pressure switch
- Simple internal structure for field service
- Largest volume recovery rate in market
- For use with all refrigerants including R410A
- 220V – 50/60Hz



Part Number	Description	Unit	Qty
MC69395-220	SPARK FREE COMBUSTIBLE GAS RECOVERY MACHINE	EA	1

TWIN MINI COMBUSTIBLE GAS RECOVERY UNIT

- Twin piston compressor allows this unit to work in all applications
- (220 V – 50/60 Hz)
- 1/2 HP motor
- Operating Temperature: 0 to 50°C (32 to 122°F)
- Compatible with all CFC, HCFC, HFC's, and Combustible gases
- Compatible with combustible gases



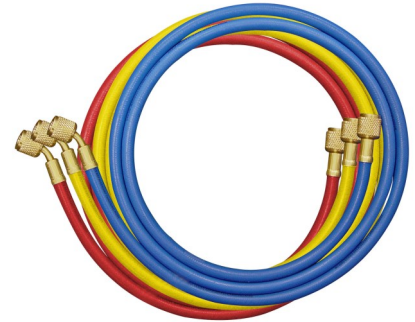
Part Number	Description	Unit	Qty
MC69400-220	MINI TWIN TURBO REFRIGERANT RECOVERY MACHINE	EA	1

HOSES COUPLERS AND CONNECTORS

STD AND HIGH PRESS HOSES W/ STANDARD FITTINGS

- (GRADE 5 HOSE) with a selection of Standard and Nylon Barrier for high pressure applications
- Knurled brass nuts make finger tightening easy
- Crimped with 8 segment dies for secure fit and maximum durability
- Hoses are available in sets and a variety of lengths to meet all EPA, SAE, and UL requirements for containment of refrigerant

Part Number	Description	Unit	Qty
MC40336	STD HIGH PRESSURE HOSES 90CM 1/4SAE	EA	1
MC40360	STD HIGH PRESSURE HOSES 150CM 1/4SAE	EA	1
MC40372	STD HIGH PRESSURE HOSES 180CM 1/4SAE	EA	1
MC40396	STD HIGH PRESSURE HOSES 244CM 1/4SAE	EA	1



REPLACEMENT BLACK HOSE SAE

- (GRADE 5 HOSE) with a selection of Standard and Nylon Barrier for high pressure applications
- Knurled brass nuts make finger tightening easy
- Crimped with 8 segment dies for secure fit and maximum durability
- Hoses are available in sets and a variety of lengths to meet all EPA, SAE, and UL requirements for containment of refrigerant

Part Number	Description	Unit	Qty
MC94160	SAE REPLACEMENT BLACK HOSE 3/8 150 CM BLACK	EA	1
MC94172	SAE REPLACEMENT BLACK HOSE 3/8 180 CM BLACK	EA	1



R410A HOSES

- (GRADE 5 HOSE) with a selection of Standard and Nylon Barrier for high pressure applications
- Knurled brass nuts make finger tightening easy
- Crimped with 8 segment dies for secure fit and maximum durability
- Hoses are available in sets and a variety of lengths to meet all EPA, SAE, and UL requirements for containment of refrigerant

Part Number	Description	Unit	Qty
MC49336-J	NYLON BARRIER HOSES R410A 90CM 5/16X5/16	EA	1
MC49336-JT	NYLON BARRIER HOSES R410A 90CM 1/4X5/16	EA	1
MC49360-J	NYLON BARRIER HOSES R410A 150CM 5/16X5/16	EA	1
MC49360-JT	NYLON BARRIER HOSES R410A 150CM 1/4X5/16	EA	1



PRESSURE CONTROL HOSES

- 1/4" operates to 600 psi (42 bar) and 200°F (93°C)
- Operational temperature: -20 to 200°F (-29 to 93°C)

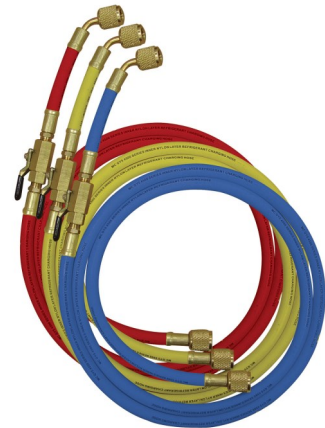
Part Number	Description	Unit	Qty
MC47124-ST	PRESSURE CONTROL HOSE 1/4F X 90DEG 12INCH	EA	1
MC47184-ST	PRESSURE CONTROL HOSE 1/4F X 90DEG 18INCH	EA	1
MC47244-ST	PRESSURE CONTROL HOSE 1/4F X 90DEG 24INCH	EA	1
MC47364-ST	PRESSURE CONTROL HOSE 1/4F X 90DEG 36INCH	EA	1
MC47484-ST	PRESSURE CONTROL HOSE 1/4F X 90DEG 48INCH	EA	1



HIGH PRESSURE HOSES MANUAL SHUT-OFF VALVE FITTINGS (1/4" SAE)

- (GRADE 5 HOSE) with a selection of Standard and Nylon Barrier for high pressure applications
- Knurled brass nuts make finger tightening easy
- Crimped with 8 segment dies for secure fit and maximum durability
- Hoses are available in sets and a variety of lengths to meet all EPA, SAE, and UL requirements for containment of refrigerant

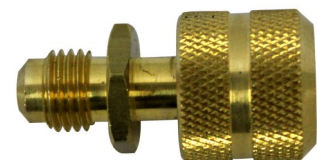
Part Number	Description	Unit	Qty
MC90262-60	HIGH PRESSURE HOSES MANUAL SHUT-OFF VALVE FITTINGS (1/4" SAE)	EA	1



STRAIGHT ADAPTERS

- Convert 1/4 to 5/16 SAE (1/2-20 UNF) swivel female nut with depressor

Part Number	Description	Unit	Qty
MC90413	STRAIGHT ADAPTER 1/4SAE TO 5/16SAE	EA	1

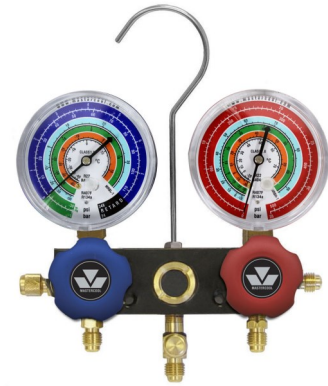


MANIFOLDS & GAUGES

2-WAY MANIFOLD

- Free floating piston valve results in less wear and tear in comparison to market standard twisting piston valves
- Double O-Ring allows for a much better seal resulting in less leaks
- 1.0-gauge class, 80 mm gauges

Part Number	Description	Unit	Qty
MC93103-EBA1	2-WAY MANIFOLD 80MM R410A-R32 REFRIG 5/16FL	EA	1
MC93103-MRB1	2-WAY MANIFOLD 80MM R22-R134-R404	EA	1
MC93661-MRB1	2-WAY MANIFOLD R22, R404A, R407F, R134A 3 X 150CM HOSES	EA	1
MC93661-EB1	2-WAY MANIFOLD R410A WITH 3X150CM HOSES	EA	1



COMPACT 2-WAY MANIFOLD

- Compact black anodized aluminium block with matte chrome fittings
- extremely portable solution to fit the needs of every busy technician
- 91 different refrigerants including R134a, R410a and R22 refrigerants
- Large 4-digit "blue" backlit LCD display
- Large sight glass for quick visual refrigerant checks
- Easy to grip knobs

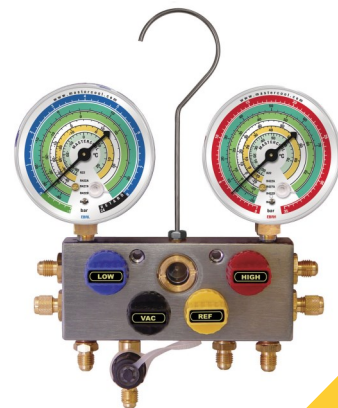
Part Number	Description	Unit	Qty
MC94103	COMPACT 2-WAY ALUMINUM MANIFOLD R134A, R410A, R22	EA	1



4-WAY MANIFOLD

- Full 3/8 bore through the block increases flow considerably, faster charging and recovery
- Ball valve rotates 90° between two Teflon washers requiring little effort to turn, even under pressure
- Opens and closes quickly with only a quarter turn
- Knob position shows whether valves are open or closed (Vertical = Open, Horizontal = Closed)
- 80 mm gauges / 1.6-gauge class

Part Number	Description	Unit	Qty
MC96203-EBA1	4-WAY MANIFOLD 80MM R410A-R32 5/16FL 3/8 BORE	EA	1
MC96203-MB1	4-WAY MANIFOLD 80MM R134-R404-R407C	EA	1
MC96261-MRB1	4-WAY MANIFOLD 80MM R22-R134-R404 W/150CM HOSES	EA	1



GAUGE PROTECTOR SET

- Unique ribbing deadens bumps and deflects shocks
- Snug fitting, colour coded



Part Number	Description	Unit	Qty
MC91553-EE	SET (RED/BLUE) GAUGE PROTECTORS 3 1/8"	EA	1

SPARTAN DIGITAL MANIFOLDS

DIGITAL MANIFOLDS

- Offered in 2 way and 4 way options, this manifold will display pressure, vacuum, temperature, and will automatically calculate your superheat and subcool.
- 4.3" colour touchscreen to navigate with a quick slide of the finger
- Over 60 pre-programmed refrigerants included
- Bluetooth wireless technology provides communication with the Mastercool Connect app to allow for full mobility as activity can be easily viewed on all compatible hand-held devices



Part Number	Description	Unit	Qty
MC99927-BT-2	2-WAY SPARTAN DIGITAL MANIFOLD KIT	EA	1
MC99947-BT-2	4-WAY SPARTAN DIGITAL MANIFOLD KIT	EA	1

COUPLERS

R134A 1/4FL

- High-Side Manual R134a 1/4" FL-M x 16 mm Quick Coupler
- Low-Side Manual R134a 1/4" FL-M x 13 mm Quick Coupler



Part Number	Description	Unit	Qty
MC82834-E	HIGH SIDE COUPLER R134A 1/4FL	EA	1
MC82934-E	LOW SIDE COUPLER R134A 1/4FL	EA	1

THERMOMETERS

WATERPROOF & MULTI LASER INFRARED THERMOMETERS

- The multi-laser infrared thermometer safely monitors hot, hazardous, or hard to reach materials without contamination or damage to the surface. Simply point at the target, pull the trigger and read the temperature
- Handheld Waterproof Digital Thermometer

Part Number	Description	Unit	Qty
MC52224-D	MULTI LASER INFRARED THERMOMETER	EA	1
MC52229	WATERPROOF DIGITAL THERMOMETER	EA	1



TUBE CUTTERS

HEAVY DUTY TUBE CUTTERS

- Lightweight yet durable
- Carbide steel cutting wheels work with hard and soft copper, aluminium, brass, thin wall steel and stainless steel
- All cutters feature rollers with flare cut-off grooves to salvage as much old tubing as possible

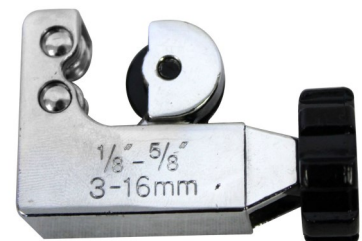
Part Number	Description	Unit	Qty
MC70033	TUBE CUTTER HEAVY DUTY 1/8 TO 1-1/8 O.D	EA	1
MC70035	TUBE CUTTER HEAVY DUTY 1/4 TO 1-5/8 O.D	EA	1
MC70037	TUBE CUTTER SLIDING BAR 1/4 TO 2 5/8 O.D	EA	1



MINI TUBE CUTTERS

- Mastercool tube cutters are lightweight yet durable
- Carbide steel cutting wheels work with hard and soft copper, aluminium, brass, thin wall steel and stainless steel
- All cutters feature rollers with flare cut-off grooves to salvage as much old tubing as possible

Part Number	Description	Unit	Qty
MC70027	MINI TUBE CUTTER 1/8 TO 5/8 O.D	EA	1
MC70029	MINI TUBE CUTTER 3/8 TO 1 1/8 O.D	EA	1



TUBE BENDERS

LEVER STYLE TUBE BENDERS

- Open side design slips over tube at any point
- Makes smooth short radius bends up to 180° with minimum effort
- Calibrated to show angle of bend

Part Number	Description	Unit	Qty
MC70063	LEVER STYLE TUBE BENDER 3/8IN OD	EA	1
MC70064	LEVER STYLE TUBE BENDER 1/2IN OD	EA	1
MC70065	LEVER STYLE TUBE BENDER 5/8IN OD	EA	1
MC70066	LEVER STYLE TUBE BENDER 3/4IN OD	EA	1
MC70067	LEVER STYLE TUBE BENDER 7/8IN OD	EA	1



TUBE BENDER RATCHET

- Hand-operated ratchet design bends tubes easily
- Bends: 3/8, 1/2, 5/8, 3/4 and 7/8" O.D. soft tubing
- Includes heavy duty tube cutter for (1/8 – 1 1/8" O.D. tubing)
- Includes inner-outer reamer for (3/16 – 1 1/2" O.D. tubing)
- Comes in custom moulded case

Part Number	Description	Unit	Qty
MC70070	RATCHET STYLE TUBE BENDER KIT	EA	1



TUBE BENDER LEVER

- All metal multi-purpose 180° Tube Bender for 3/16, 1/4, 5/16 and 3/8" O.D. Tubing

Part Number	Description	Unit	Qty
MC70069-A	TUBE BENDER LEVER 4IN1 180DEG	EA	1



SPRING STYLE TUBE BENDERS

- Economical and effective tools for bending soft copper or aluminium tubing without kinks
- Special nickel plated; spring steel is flared on one end for quick tube insertion
- Each tool bends one size

Part Number	Description	Unit	Qty
MC70071	SPRING STYLE TUBE BENDER 1/4INCH	EA	1
MC70072	SPRING STYLE TUBE BENDER 5/16INCH	EA	1
MC70073	SPRING STYLE TUBE BENDER 3/8INCH	EA	1
MC70074	SPRING STYLE TUBE BENDER 1/2INCH	EA	1
MC70075	SPRING STYLE TUBE BENDER 5/8INCH	EA	1
MC70077	SPRING STYLE TUBE BENDER 3/4INCH	EA	1
MC70076	SPRING STYLE TUBE BENDER 1/4 5/16 3/8 1/2 5/8	EA	1



CONTROL VALVES

CONTROL VALVE 1/4" FFL X 1/4" MFL

- Ideal for use on charged systems
- Eliminates refrigerant, oil or dye from spraying during connections
- Brass body with 1/4" FFL swivel coupler. (1/4" FFL x 1/4" MFL)

Part Number	Description	Unit	Qty
MC90328	MFL CONTROL VALVE 1/4 FFL X 1/4 MFL	EA	1



CONTROL VALVE 5/16" FFL X 5/16" MFL

- Ideal for use on charged systems
- Eliminates refrigerant, oil or dye from spraying during connections
- (5/16" FFL x 5/16" MFL)

Part Number	Description	Unit	Qty
MC90328-5/16	MFL CONTROL VALVE 5/16 FFL X 5/16 MFL	EA	1

FLARING EXPANDING & SWAGING TOOLS

FLARE SWAGE KIT

- Durable forged steel slip-on yoke
- Bars are chrome plated, hardened steel
- Swages in close quarters where punch style cannot be used
- Includes custom plastic carrying case
- Two Flaring Bars cover 9 sizes: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" and 3/4" O.D. tubing
- Five Swaging Adapters cover 7 sizes: 3/16", 1/4", 5/16", 3/8", 1/2", 5/8" and 3/4" O.D. tubing

Part Number	Description	Unit	Qty
MC70053	45° FLARING & SWAGING TOOL SET	EA	1



TUBE EXPANDING KIT

- (7 HEAD KIT) consists of expander heads 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8"
- Fabricates and expands copper, aluminium and soft steel tubing using hydraulic power

Part Number	Description	Unit	Qty
MC71600-A	TUBE EXPANDING TOOL KIT 7 HEAD KIT	EA	1



FLARE EXPAND KIT

- (7 HEAD KIT) Complete Hydraulic Flaring and Expanding Kit
- Consists of Expander Heads 3/8, 1/2, 5/8, 3/4, 7/8, 1 and 1 1/8"
- Hydra-Swage 71601, Adapter
- Inner-Outer Reamer and Hydraulic Flaring Accessory
- packaged in a blow moulded case

Part Number	Description	Unit	Qty
MC71675	HYDRAULIC FLARING AND EXPANDING 7 HEAD KIT	EA	1



ECCENTRIC FLARING TOOL

- Aluminium design
- Light weight and durable
- Automatic torque release
- Flares 6 Sizes: 1/4, 5/16, 3/8, 1/2, 5/8 and 3/4" O.D. Tubing

Part Number	Description	Unit	Qty
MC70057	ECCENTRIC FLARE TOOL 1/4 TO 3/4	EA	1
MC70059	ECCENTRIC FLARE TOOL 1/4 to 7/8	EA	1



REAMERS

INNER-OUTER REAMER

Part Number	Description	Unit	Qty
MC70085	INNER/OUTER REAMER	EA	1



PENCIL REAMER

- Designed to remove inner burrs easily
- Full metal grip
- Includes one spare tungsten blade for long use

Part Number	Description	Unit	Qty
MC71685	PENCIL REAMER	EA	1



RATCHET WRENCHES

RATCHET SETS

- **70081:** Steel forged wrench with reversible ratchet. 9/16", 1/2" hex, 1/4 and 3/16" square
- **70082:** Compact chrome satin plated wrench specially designed for use in hard-to-reach places. 1/4, 3/8, 3/16 and 5/16" square ratchet

Part Number	Description	Unit	Qty
MC70081	RATCHET WRENCH 9/16-1/2 HEX 1/4-3/16 SQ	EA	1
MC70082	RATCHET WRENCH 1/4 3/8 3/16 5/16 SQ	EA	1



TORQUE WRENCHES

TORQUE WRENCH SETS

- Ensures accurate tightness of fittings, especially R410A
- Kit in a blow moulded case includes sizes
- Sizes included: 17, 22, 24, 26, 27 and 29mm

Part Number	Description	Unit	Qty
MC70078	TORQUE WRENCH KIT	EA	1



LEAK DETECTION

ELECTRONIC LEAK DETECTION

- Detects all refrigerants (CFCs, HCFCs, & HFCs)
- Sensor life 2000 hours
- Battery life 60 hours continuous use

Part Number	Description	Unit	Qty
MC55800	INTELLASENSE REFRIGERANT LEAK DETECTOR	EA	1
MC55800-SEN	SENSOR FOR 55880	EA	1



SERVICE ACCESSORIES

OILS AND ACCESSORIES

- Suitable for Mastercool vacuum pumps
- Bottle size: (946ml)



Part Number	Description	Unit	Qty
MC90032-1	VACUUM PUMP OIL 946ML	EA	1

CONDENSER FIN COMB

- Cleans and straightens condenser or evaporator fins
- Suitable for 8, 9, 10, 12, 14 and 15 fins per inch application
- Six-sided head for an accurate clean



Part Number	Description	Unit	Qty
MC90925	CONDENSOR FIN COMB	EA	1

NITROGEN PRESSURE REGULATORS

NITROGEN PRESSURE REGULATORS

- 1/4" SAE flare outlet port, with control valve
- T-Handle for ease of pressure adjustment
- High pressure gauge 4400 psig (300 bar)
- Low pressure gauge 1000 psig (70 bar)



Part Number	Description	Unit	Qty
MC53004	NITROGEN PRESSURE REGULATORS	EA	1

FLUSH

AIRCON SYSTEM FLUSH KIT

- Includes flush gun, hose, canister and canister adapter
- Designed to work with any lightweight flushing agent which can be mixed with pressurized air
- Excellent for quickly and effectively removing refrigerant oil debris during retrofitting or compressor replacement

Part Number	Description	Unit	Qty
MC91046-A	AIRCON SYSTEM FLUSH KIT	EA	1



CLEANING AIRCON FLUSH SOLVENT

- Effectively removes debris and sludge from A/C components
- Solvent-based
- Leaves no residue
- O-Ring safe
- Non-Flammable & Non-Corrosive
- Flush any A/C system

Part Number	Description	Unit	Qty
MC91049-128	AIRCON FLUSH SOLVENT 3.8LT SINGLE	EA	1



DIGITAL VACCUM GAUGES

- Response Time: 250 mSec
- Operating Temperature: 32 to 120°F (0 to 45°C)
- Connection Fitting: 1/4" flare female adapter
- Battery Life: 36 hours
- Vacuum Units: Micron, Torr, mTorr, mmHg, mBar, Pa

Part Number	Description	Unit	Qty
MC98061	DIGITAL VACUUM GAUGE	EA	1
MC98061-SEN	REPLACEMENT SENSOR 98061	EA	1



VACUUM PUMPS

MASTERCool VACUUM PUMPS

Part Number	Description	Unit	Qty
MC90058-A	MASTERCool CORDLESS VACUUM PUMP 1.5CFM	EA	1
MC90058-SL-MC	ADAPTER SLEEVE TO ALLOW FOR USE WITH MAK	EA	1
MC90063-2V-220-B	TWO STAGE VAC PUMP 58L/MIN	EA	1
MC90066-220-BSF	TWO STAGE VAC PUMP SPARK FREE 142L/MIN	EA	1
MC90066-2V-220-B	TWO STAGE VAC PUMP 178L/MIN	EA	1
MC90067-2V-220-B	TWO STAGE VAC PUMP 178L/MIN	EA	1
MC90068-2V-220-B	TWO STAGE VAC PUMP 189L/MIN	EA	1
MC90612-2V-220-B	TWO STAGE VAC PUMP 283L/MIN	EA	1



TEMPERATURE DATA LOGGER

TEMPU3 MULTI-USE USB TEMPERATURE DATA LOGGER

- Designed to be multi-use
- Temperature and humidity measurement as well as recording
- Statistics available on LCD screen
- No Software required to retrieve data
- Automatically generates PDF report and CSV file
- Reprogrammable software for logging parameters, alarms start delay
- Dimensions: 89mm 36mm 16mm
- N.W: 25g
- Temperature Range -30c - + 60C
- Temperature Accuracy: +0.5C (-20C/+40C); +1.0C (other range)
- Temperature Resolution 0.1C
- Data storage capacity: 32,000 readings
- Shelf Life / Battery: 1 year (replaceable)
- Start-up Mode: Button or software
- Temperature Alarm >8C or <2C (standard, Optional)
- Alarm Delay: 10mins (standard, Optional)
- Start Delay: 30min (standard, Optional)
- Report Generation: Automatic PDF and CSV report

Part Number	Description	Unit	Qty
TEMPU3	HUMIDITY AND TEMPERATURE DATA LOGGER	EA	1



DIXELL THERMOSTATS

- Power Supply: 240 VAC
- Probe Inputs: 2 NTC / PTC Probes (1 Thermostat, 1 Condenser)
- Digital Input: 1 Configurable (for Alarm, Start Defrost, Aux, Door Switch, or Pressure Switch)
- Relay Output: 1 Compressor (8A, 20A optional)

Part number	Application Temperature	Voltage	Probe	Probe Included	Temp Range	Display	Hotkey Programmable	Outputs				Unit	Qty
								Compressor	Fans	Defrost	Aux		
XR20CXB	MEDIUM	240VAC	NTC	YES	40/110C	BLUE	YES	YES				EA	1
XR30CXB	MEDIUM	240VAC	NTC	YES	40/110C	BLUE	YES	YES			YES	EA	1
XR40CXB	MEDIUM/LOW	240VAC	NTC	YES	40/110C	BLUE	YES	YES	YES	YES		EA	1
XR60CXB	LOW	240VAC	NTC	YES	40/110C	BLUE	YES	YES	YES	YES		EA	1
XR70CXB	LOW	240VAC	NTC	YES	40/110C	BLUE	YES	YES	YES	YES	YES	EA	1



DIXELL ACCESSORIES

PROBES

Part Number	Application Temperature	Voltage	Probe	Probe Length	Temp Range	Unit	Qty
NG6P-1.5	MEDIUM	240VAC	NTC	1.5M	-40/110	EA	1
NG6P-3.0	MEDIUM	240VAC	NTC	3M	-40/110	EA	1
NG6P-10	MEDIUM	240VAC	NTC	10M	-40/110	EA	1



Enclosure

Part Number	Description	Size	Unit	Qty
C-BOX	C-BOX PLASTIC ENCLOSURE	120X120X100	EA	1



Relay

Part Number	Description	Type	Unit	Qty
RELAY30	RELAY	30 AMP	EA	1



RESIDENTIAL THERMOSTATS

HONEYWELL FOCUSPRO 6000

- Selectable to 5-1-1 (Weekdays, Saturday, Sunday) or 5-2 (Weekdays, Weekend) programmable thermostat
- Large, clear, backlit display - easy to read in various lighting conditions
- Display size options - available in large screen or standard
- Simplified programming and operation
- Adaptive Intelligent Recovery ensures programmed temperature is reached by programmed time

Part Number	Description	Unit	Qty
HLTH6110D1021/U	FOCUSPRO 6000 1 HEAT/1 COOL	EA	1



HONEYWELL WIFI COLOUR TOUCHSCREEN THERMOSTAT

- Get Connected – Connect to homes existing Wi-Fi network
- Remote Control – Convenience, comfort and control from anywhere through web, tablet or smartphone access
- Apps available for tablet and smartphones
- Automatic software updates through Wi-Fi
- Selectable to 7 Day or Non-Programmable
- Program thermostat locally or over the web or app
- Customize the screen colour to match any décor

Part Number	Description	Unit	Qty
HLTH9320WF3003/U	Wi-Fi 9000 COLOUR TOUCH SCREEN SMART THERMOSTAT	EA	1



HONEYWELL T4 WIRED THERMOSTAT

- 7 day, & 5/2 day scheduling with a pre-configured schedule included
- Battery powered (with low-power indicator)
- Compatible with 24–230v on/off, OpenTherm appliances such as gas boilers Combi boilers and heat pump
- Easy to fit with a three step installation process: Wire, Power Up and Test, Configure

Part Number	Description	Unit	Qty
HLT4H110A1021	T4 WIRED THERMOSTAT WALL MOUNTED 24-230V	EA	1



HONEYWELL DT90 NON-PROGRAMMABLE THERMOSTAT

- Digital non-programmable thermostat with large LCD display and simple user interface
- Adjustable proportional band
- Adjustable on/off time
- Frost protection



Part Number	Description	Unit	Qty
HLDT90A1008	DIGITAL NON PROGRAMMABLE THERMOSTAT 24-230v	EA	1

XE60 LINE VOLTAGE THERMOSTATS (T4360G1006)

- Heat or Cool Thermostat
- 16A(R)
- On/Off Switch
- Heat indicator light
- 220-240Vac, 50/60 Hz



Part Number	Description	Unit	Qty
HLT4360G1006	HEAT INDICATOR THERMOSTAT 16A(R)	EA	1

XE60 LINE VOLTAGE THERMOSTATS (T4360G1008)

- Heat or Cool Thermostat
- 10A(R), 3A(I)
- On/Off Switch
- Cool indicator light
- 220-240Vac, 50/60 Hz



Part Number	Description	Unit	Qty
HLT4360G1008	COOL INDICATOR THERMOSTAT 10A(R) 3A(I) DG	EA	1

HONEYWELL FOCUSPRO 5000

- Easy-access battery replacement
- Displays available in large or standard screen
- Precise comfort control (± 1 F) which maintains consistent comfort
- Dual-powered (battery and/or hardwire)



Part Number	Description	Unit	Qty
HLTH5110D1022/U	FOCUSPRO 5000 NON PROGRAMMABLE THERMOSTAT	EA	1

HONEYWELL FOCUSPRO 5000 PREMIER

- Up to 2 Heat/2 Cool Conventional Systems; Up to 2 Heat/1 Cool Heat Pumps
- Easy-access battery replacement
- Displays available in large or standard screen
- Precise comfort control (± 1 F) which maintains consistent comfort
- Dual-powered (battery and/or hardwire)



Part Number	Description	Unit	Qty
HLTH5220D1029/U	FOCUSPRO 5000 PREMIER 2H/2C & 2H/1C	EA	1

HONEYWELL FOCUSPRO 6000 PREMIER

- Up to 2 Heat/2 Cool
- Selectable to 5-1-1 (Weekdays, Saturday, Sunday) or 5-2 (Weekdays, Weekend) programmable thermostat
- Large, clear, backlit display - easy to read in various lighting conditions
- Display size options - available in large screen or standard
- Adaptive Intelligent Recovery - ensures programmed temperature is reached by programmed time



Part Number	Description	Unit	Qty
HLTH6220D1028/U	FOCUSPRO 6000 PREMIER 2 HEAT/2 COOL	EA	1

HONEYWELL THERMOSTAT GUARDS

SMALL THERMOSTAT GUARD

- Product Length : 149mm
- Product Height : 113mm
- Product Width : 64mm

Part Number	Description	Unit	Qty
HLTG510A1001/U	COVER LOCK SMALL H149mm x W149mm x D64mm	EA	1



MEDIUM THERMOSTAT GUARD

- Product Length : 195mm
- Product Height : 165mm
- Product Width : 75mm

Part Number	Description	Unit	Qty
HLTG511A1000/U	COVER LOCK MEDIUM H149mm x W149mm x D64mm	EA	1



LARGE THERMOSTAT GUARD

- Product Length : 248mm
- Product Height : 184mm
- Product Width : 86mm

Part Number	Description	Unit	Qty
HLTG512A1009/U	COVER LOCK LARGE H184mm x W248mm x D86mm	EA	1



START CAPACITORS

MOTOR START CAPACITORS

- Come with End cap, Mounting Bracket & Discharge Resistor
- P1 Safety class
- Operating Frequency 50-60 Hz
- Rated Voltage 250/330VAC

Part Number	Description	Unit	Qty
HYSC2K25-30	START CAPACITOR 25-30 MFD 250V	EA	1
HYSC2K31-40	START CAPACITOR 31.5-40 MFD 250V	EA	1
HYSC2K40-50	START CAPACITOR 40-50 MFD 250V	EA	1
HYSC2K50-63	START CAPACITOR 50-63 MFD 250V	EA	1
HYSC2K63-80	START CAPACITOR 63-80 MFD 250V	EA	1
HYSC2K72-88	START CAPACITOR 72-88 MFD 250V	EA	1
HYSC2K88-108	START CAPACITOR 88-108 MFD 250V	EA	1
HYSC2K108-130	START CAPACITOR 108-130 MFD 250V	EA	1
HYSC2K124-149	START CAPACITOR 124-149 MFD 250V	EA	1
HYSC2K145-174	START CAPACITOR 145-174 MFD 250V	EA	1
HYSC2K160-200	START CAPACITOR 160-200 MFD 250V	EA	1
HYSC2K189-227	START CAPACITOR 189-227 MFD 250V	EA	1
HYSC2K200-250	START CAPACITOR 200-250 MFD 250V	EA	1
HYSC2K216-260	START CAPACITOR 216-260 MFD 250V	EA	1
HYSC2K233-280	START CAPACITOR 233-280 MFD 250V	EA	1
HYSC2K250-315	START CAPACITOR 250-315 MFD 250V	EA	1
HYSC2K270-324	START CAPACITOR 270-324 MFD 250V	EA	1
HYSC2K315-400	START CAPACITOR 315-400 MFD 250V	EA	1
HYSC3K43-53	START CAPACITOR 43-53 MFD 330V	EA	1
HYSC3K63-80	START CAPACITOR 63-80 MFD 330V	EA	1
HYSC3K72-88	START CAPACITOR 72-88 MFD 330V	EA	1
HYSC3K88-108	START CAPACITOR 88-108 MFD 330V	EA	1
HYSC3K108-130	START CAPACITOR 108-130 MFD 330V	EA	1
HYSC3K130-156	START CAPACITOR 130-156 MFD 330V	EA	1
HYSC3K145-174	START CAPACITOR 145-174 MFD 330V	EA	1
HYSC3K160-200	START CAPACITOR 160-200 MFD 330V	EA	1
HYSC3K200-250	START CAPACITOR 200-250 MFD 330V	EA	1
HYSC3K250-315	START CAPACITOR 250-315 MFD 330V	EA	1



RUN CAPACITORS

MOTOR RUN CAPACITORS

- (Aluminium case)
- P2 Class of Safety Protection
- Rated Voltage 450VAC

Part Number	Description	Unit	Qty
HYRC4-1.0	RUN CAPACITOR METAL 1 MFD 450V	EA	1
HYRC4-1.5	RUN CAPACITOR METAL 1.5 MFD 450V	EA	1
HYRC4-2	RUN CAPACITOR METAL 2 MFD 450V	EA	1
HYRC4-3	RUN CAPACITOR METAL 3 MFD 450V	EA	1
HYRC4-4	RUN CAPACITOR METAL 4 MFD 450V	EA	1
HYRC4-5	RUN CAPACITOR METAL 5 MFD 450V	EA	1
HYRC4-6	RUN CAPACITOR METAL 6 MFD 450V	EA	1
HYRC4-8	RUN CAPACITOR METAL 8 MFD 450V	EA	1
HYRC4-10	RUN CAPACITOR METAL 10 MFD 450V	EA	1
HYRC4-12	RUN CAPACITOR METAL 12 MFD 450V	EA	1
HYRC4-15	RUN CAPACITOR METAL 15 MFD 450V	EA	1
HYRC4-20	RUN CAPACITOR METAL 20 MFD 450V	EA	1
HYRC4-25	RUN CAPACITOR METAL 25 MFD 450V	EA	1
HYRC4-30	RUN CAPACITOR METAL 30 MFD 450V	EA	1
HYRC4-35	RUN CAPACITOR METAL 35 MFD 450V	EA	1
HYRC4-40	RUN CAPACITOR METAL 40 MFD 450V	EA	1
HYRC4-45	RUN CAPACITOR METAL 45 MFD 450V	EA	1
HYRC4-50	RUN CAPACITOR METAL 50 MFD 450V	EA	1
HYRC4-55	RUN CAPACITOR METAL 55 MFD 450V	EA	1
HYRC4-60	RUN CAPACITOR METAL 60 MFD 450V	EA	1
HYRC4-70	RUN CAPACITOR METAL 70 MFD 450V	EA	1
HYRC4-75	RUN CAPACITOR METAL 75 MFD 450V	EA	1
HYRC4-80	RUN CAPACITOR METAL 80 MFD 450V	EA	1
HYRC4-90	RUN CAPACITOR METAL 90 MFD 450V	EA	1
HYRC4-100	RUN CAPACITOR METAL 100 MFD 450V	EA	1



RUN CAPACITORS

MOTOR RUN CAPACITORS WITH FIXED 8M BOLT

ALL CONTROLS

- PO Class of Safety Protection
- Rated Voltage 450VAC
- Capacitance range 1-80 UF

Part Number	Description	Unit	Qty
HYRCS4B-1	RUN CAPACITOR PLASTIC 1 MFD FIXED 8M BOLT	EA	1
HYRCS4B-2	RUN CAPACITOR PLASTIC 2 MFD FIXED 8M BOLT	EA	1
HYRCS4B-3	RUN CAPACITOR PLASTIC 3 MFD FIXED 8M BOLT	EA	1
HYRCS4B-4	RUN CAPACITOR PLASTIC 4 MFD FIXED 8M BOLT	EA	1
HYRCS4B-5	RUN CAPACITOR PLASTIC 5 MFD FIXED 8M BOLT	EA	1
HYRCS4B-6	RUN CAPACITOR PLASTIC 6 MFD FIXED 8M BOLT	EA	1
HYRCS4B-7	RUN CAPACITOR PLASTIC 7 MFD FIXED 8M BOLT	EA	1
HYRCS4B-8	RUN CAPACITOR PLASTIC 8 MFD FIXED 8M BOLT	EA	1
HYRCS4B-10	RUN CAPACITOR PLASTIC 10 MFD FIXED 8M BOLT	EA	1
HYRCS4B-12	RUN CAPACITOR PLASTIC 12 MFD FIXED 8M BOLT	EA	1
HYRCS4B-14	RUN CAPACITOR PLASTIC 14 MFD FIXED 8M BOLT	EA	1
HYRCS4B-15	RUN CAPACITOR PLASTIC 15 MFD FIXED 8M BOLT	EA	1
HYRCS4B-16	RUN CAPACITOR PLASTIC 16 MFD FIXED 8M BOLT	EA	1
HYRCS4B-20	RUN CAPACITOR PLASTIC 20 MFD FIXED 8M BOLT	EA	1
HYRCS4B-25	RUN CAPACITOR PLASTIC 25 MFD FIXED 8M BOLT	EA	1
HYRCS4B-30	RUN CAPACITOR PLASTIC 30 MFD FIXED 8M BOLT	EA	1
HYRCS4B-35	RUN CAPACITOR PLASTIC 35 MFD FIXED 8M BOLT	EA	1
HYRCS4B-40	RUN CAPACITOR PLASTIC 40 MFD FIXED 8M BOLT	EA	1
HYRCS4B-45	RUN CAPACITOR PLASTIC 45 MFD FIXED 8M BOLT	EA	1
HYRCS4B-50	RUN CAPACITOR PLASTIC 50 MFD FIXED 8M BOLT	EA	1
HYRCS4B-55	RUN CAPACITOR PLASTIC 55 MFD FIXED 8M BOLT	EA	1
HYRCS4B-60	RUN CAPACITOR PLASTIC 60 MFD FIXED 8M BOLT	EA	1
HYRCS4B-65	RUN CAPACITOR PLASTIC 65 MFD FIXED 8M BOLT	EA	1
HYRCS4B-70	RUN CAPACITOR PLASTIC 70 MFD FIXED 8M BOLT	EA	1
HYRCS4B-80	RUN CAPACITOR PLASTIC 80 MFD FIXED 8M BOLT	EA	1



RUN CAPACITORS

MOTOR RUN THREADED CAPACITOR WITH 8M BOLT

- P2 Class of Safety Protection
- Rated Voltage 450VAC
- Capacitance range 1-60 UF

Part Number	Description	Unit	Qty
HYRC4T-4	RUN CAPACITOR THREADED 4 MFD 8M BOLT	EA	1
HYRC4T-6	RUN CAPACITOR THREADED 6 MFD 8M BOLT	EA	1
HYRC4T-8	RUN CAPACITOR THREADED 8 MFD 8M BOLT	EA	1
HYRC4T-10	RUN CAPACITOR THREADED 10 MFD 8M BOLT	EA	1
HYRC4T-15	RUN CAPACITOR THREADED 15 MFD 8M BOLT	EA	1
HYRC4T-20	RUN CAPACITOR THREADED 20 MFD 8M BOLT	EA	1
HYRC4T-25	RUN CAPACITOR THREADED 25 MFD 8M BOLT	EA	1
HYRC4T-30	RUN CAPACITOR THREADED 30 MFD 8M BOLT	EA	1
HYRC4T-50	RUN CAPACITOR THREADED 50 MFD 8M BOLT	EA	1
HYRC4T-60	RUN CAPACITOR THREADED 60 MFD 8M BOLT	EA	1



Supco

For over 75-years SUPCO outstanding reputation has allowed us to serve as a leading one-stop-shop in the HVACR and aftermarket Appliance industry by manufacturing and distributing a complete line of value-driven, technician-focused products to global wholesale distributors.

Headquartered in Allenwood, NJ, SUPCO operates proprietary engineering and manufacturing facilities in New Jersey, the Midwest and abroad. We maintain a worldwide network of sales representatives and distributors to serve both domestic and international markets.

As a company founded on innovation and discovery, SUPCO recognizes that some of the most ingenious product ideas come directly from those who understand the challenges of the job firsthand. Our exclusive product line SUPCO TradeFox, features products that have been invented by real trade technicians. Under the SUPCO TradeFox Inventor Program, we help technicians bring their inventions to life and to the market through their years of experience in engineering, manufacturing, marketing and our expansive distribution reach.

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CARBON MONOXIDE METER

CO1000

- Measure CO quick and easy in working and living environments
- Backlit LCD
- Automatic calibration
- Max hold and data hold
- Carrying case included

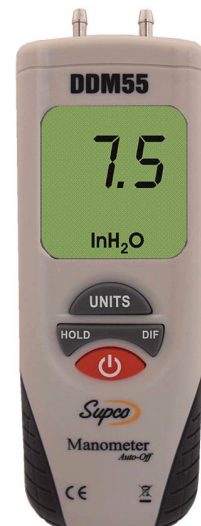


Part Number	Description	Unit	Qty
SCO1000	CARBON MONOXIDE METER	EA	1

DUAL DIGITAL MANOMETER

DDM55

- Dual input
- Range: -55" to +/-55" water column
- Provides differential measurements
- Confirm pressure switch operation
- Set delivery pressures
- Leakage tests
- Soft carrying case included



Part Number	Description	Unit	Qty
SDDM55	DUAL DIGITAL MANOMETER	EA	1

DIGITAL VACUUM GAUGE

VG64

- Ultra fine resolution (as low as 1 Micron)
- 1/2 second response time
- Auto shut off
- Built in hanger
- Easy access cleaning part



Part Number	Description	Unit	Qty
SVG64	DIGITAL VACUUM GAUGE	EA	1
SVGC	VACCUM GAUGE COUPLER	EA	1

EM SERIES

MEASURE CRITICAL HVACR PARAMETERS TO MAXIMIZE PRODUCTIVITY AND PERFORMANCE

Measuring, analysing and solving environmental problems is paramount for the successful service technician. Choose the Envirometer(s) for the best solution.

EM10 TEMPERATURE & HUMIDITY METER

DIAGNOSE & SOLVE HVAC SYSTEM PROBLEMS

- Measures Temperature, Humidity & Dew Point
- Temperature Range: -10C to 50C
- Humidity Range: 0% to 99.9% RH
- Min/ Max/ Avg
- Data Hold
- Backlit LCD
- Auto power off
- Hard Carrying Case included



Part Number	Description	Unit	Qty
SEM10	TEMPERATURE & HUMIDITY METER	EA	1

EM20 THERMO-ANEMOMETER

DIAGNOSE & SOLVE AIR FLOW PROBLEMS

- Measures fpm, m/s, mph, km/h, kts, Beaufort Scale
- Measures Fahrenheit and Celsius
- Velocity Range: 80 fpm to 4000 fpm
- Temperature Range: -10C to 50C
- Min/ Max
- Data Hold
- Backlit LCD
- Auto power off
- Hard Carrying Case included



Part Number	Description	Unit	Qty
SEM20	THERMO-ANEMOMETER	EA	1

EM SERIES

MEASURE CRITICAL HVACR PARAMETERS TO MAXIMIZE PRODUCTIVITY AND PERFORMANCE

Measuring, analysing and solving environmental problems is paramount for the successful service technician. Choose the Envirometer(s) for the best solution.

EM30 TACHOMETER

ANALYSE & SOLVE ROTATION PROBLEMS

- Measures rpm & rps
- Range: 100 rpm to 30,000 rpm
- Min/ Max
- Data Hold
- Backlit LCD
- Auto power off
- Hard Carrying Case included



Part Number	Description	Unit	Qty
SEM30	TACHOMETER	EA	1

EM60 DUAL DIFFERENTIAL THERMOMETER

MAKE FAST INLET/OUTLET TEMPERATURE COMPARISONS

- Dual Thermocouple (J, K) inputs
- Temperature Range (K): -200C to 1300C
- Measures T1, T2 & T1-T2
- High & Low Alarms
- Data Storage
- Min/ Max/ Avg for T1 & T2
- Data Hold
- Backlit LCD
- Auto power off
- Hard Carrying Case included
- Includes two (2) K-type thermocouples



Part Number	Description	Unit	Qty
SEM60	DUAL DIFFERENTIAL THERMOMETER	EA	1

EM SERIES

MEASURE CRITICAL HVACR PARAMETERS TO MAXIMIZE PRODUCTIVITY AND PERFORMANCE

Measuring, analysing and solving environmental problems is paramount for the successful service technician. Choose the Envirometer(s) for the best solution.

EM80 SOUND LEVEL METERS

ANALYSE & SOLVE EXCESSIVE SOUND LEVEL PROBLEMS

- Range: 30 dB to 120 dB
- Auto or Manual Range
- Analog Bar Indicator
- Field Calibratable
- Backlit LCD
- Auto power off
- Hard Carrying Case included



Part Number	Description	Unit	Qty
SEM80	SOUND LEVEL METER	EA	1

EM90 DUAL THERMOMETER (INFRARED & THERMOCOUPLE)

CHOOSE THE MOST CONVENIENT METHOD FOR THE APPLICATION

- IR Range: -50C to 270C
- Thermocouple Range (K): -194.4C to 1300C
- Min / Max / Avg
- Data Hold
- Backlit LCD
- Auto power off
- Hard Carrying Case included
- Includes one (1) K-type thermocouple
- Includes two (2) K-type thermocouples



Part Number	Description	Unit	Qty
SEM90	DUAL THERMOMETER (INFRARAED & THERMOCOUPLE)	EA	1

UNIVERSAL POWER START RELAY

URSC20

- No additional wires required
- Prevents low voltage starting problems
- Provides a boost for hard start & unbalanced systems
- Replaces current-type relays



Part Number	Description	Voltage	Mounting	HP rating	Start Capacitor Size (uF)	Unit	Qty
SURSC20	RELAY URSC20	230V	Quick Connect	1/20 - 1/2	145 - 175 MFD	EA	1

SPP SUPER BOOST SERIES A.C. HARD STARTS

SPP5 & SPP6

- Reliable
- Field proven
- UL recognized PTC style hard start kits
- Economic
- Easy 2-wire installation
- Can be used on PSC type compressors



Part Number	Description	Voltage	Application	Torque Increase	Capacitor Size (uF)	Unit	Qty
SSPP5	SSP HARD START KIT (SPP5)	90 - 227 VAC	1/2 to 10 HP	300%	43 to 53 MFD	EA	1
SSPP6	SSP HARD START KIT (SPP6)	90 - 227 VAC	1/2 to 10 HP	500%	130 to 156 MFD	EA	1

RELAY OVERLOAD COMBO

RO22, RO42, RO62, RO82

- Can be used with & without start capacitor motors
- Locked rotor protection eliminates start winding overheating
- RO series features “Snap-on” bracket
- UL Recognised



Part Number	Description	Unit	Qty
SRO22	RELAY OVERLOAD COMBO 1/2HP	EA	1
SRO42	RELAY OVERLOAD COMBO 1/4 - 1/3HP	EA	1
SRO62	RELAY OVERLOAD COMBO 1/6 - 1/5HP	EA	1
SRO82	RELAY OVERLOAD COMBO 1/12 - 1/8HP	EA	1

SOLID STATE RELAY

ICG220 (220V RELAY)

- Can be used with & without start capacitor
- Fastest cool down time of any solid state relays
- ICG series features “Snap-on” bracket



Part Number	Description	Unit	Qty
SICG220	SOLID STATE RELAY	EA	1

UNIVERSAL POTENTIAL RELAY

SUPR

- Electronic potential relay (EPR) technology
- Instant restart
- Motor power rating up to 5 hp
- Normally closed 30 Amp contacts
- Safety time out 1.0 - 1.5 seconds



Part Number	Description	Unit	Qty
SSUPR	UNIVERSAL POTENTIAL RELAY	EA	1

TIMER DELAYS

TD69 & TD73

- 1/4" male quick connect terminals
- Adjustable time delay on make 6 seconds to 8 minutes (TD69)
- Adjustable time delay on break 6 seconds to 5 minutes (TD73)
- Cut the jumper wire to use in 110/250 volts



Part Number	Description	Unit	Qty
STD69	TIME DELAY ON MAKE	EA	1
STD73	TIME DELAY ON BREAK	EA	1

BULLET PIERCING VALVES

BPV21 & BPV31

- 500 PSI Maximum pressure
- Corrosion resistant
- Hex key wrench included
- Non-positional mounting, no adapter valve required

Part Number	Description	Unit	Qty
SBPV21	BULLET PIERCING VALVE 1/2 - 5/8	EA	1
SBPV31	BULLET PIERCING VALVE 1/4 - 5/16 - 3/8	EA	1



LUBRICATING OIL

ZOOM SPOUT MO98

- All purpose lubricating oil
- Flexible spout extends and retracts to any in-between length
- Viscosity: 92-99 at 60C
- Withstands high temperatures without breaking down

Part Number	Description	Unit	Qty
SMO98	ZOOM SPOUT LUBRICATING OIL	EA	1



THERMOSTAT GUARDS

BTG-K

- Clear plastic thermostat guard
- Hi-impact plastic
- Mounting hardware
- Vertical or horizontal mounting



Part Number	Description	Unit	Qty
SBT GK	THERMOSTAT GUARD 13.4X11.X7.6CM	EA	1

BTG-RK

- Clear plastic thermostat guard
- Hi-impact plastic
- Mounting hardware
- Vertical or horizontal mounting



Part Number	Description	Unit	Qty
SBTGRK	THERMOSTAT GUARD 16.2X8.9X7.6CM	EA	1

BTG-UK2

- Clear plastic thermostat guard
- Hi-impact plastic
- Mounting hardware
- Vertical or horizontal mounting



Part Number	Description	Unit	Qty
SBTGUK2	THERMOSTAT GUARD 21X13.7X8.9CM	EA	1

BTG-UN

- For New and Existing Thermostat Applications
- Slim Contemporary Style
- Strong Durable Clear Plastic Protects Against Damage to Thermostat



Part Number	Description	Unit	Qty
SBTGUN	THERMOSTAT GUARD 18.5X13.3X4.5CM	EA	1

MIZU FOAM SPRAY

NON ACIDIC & ENVIRONMENTALLY FRIENDLY

- Eliminate Unpleasant Odours
- Save Energy Consumption & Money
- Expand the Life of Your A/C
- Fast Acting
- Completely Safe & Nonhazardous
- Environmentally Friendly
- Kill Germs & Bacteria
- Affordable

Part Number	Description	Unit	Qty
MIZU	MIZU FOAM SPRAY	EA	1



MAPP GAS

BERNZOMATIC MAP-PRO CYLINDER 400G

- Use with hand torches designed for MAP-Pro fuel, including Bernzomatic torches
- CGA600 thread connection
- Flame temperature in air is 1982°C
- Higher heat characteristics than propane
- Delivers a quicker flame temperature
- Ideal for medium to heavy soldering and brazing
- Slim, lightweight design is easy to handle and work with
- Constructed from durable steel

Part Number	Description	Unit	Qty
MAPPGAS	BERNZOMATIC MAP-PRO CYLINDER (400G)	EA	1



Refrigeration Technologies

Refrigeration Technologies is well established group of HVAC/R industry professionals, technicians, and scientists. We are the market leader in safe, user friendly, non-toxic chemicals and believe in performance without hazardous ingredients. Our company is family owned, operated, and managed with the goal of delivering HVAC/R wholesale suppliers and end users a wide range of products for the commercial, industrial, and residential service sectors.

There focus is to provide chemical solutions to the Heating, Ventilation, Air Conditioning and Refrigeration trades that are non-toxic, non-hazardous, environmental, and technician preferred without sacrificing on quality or customer experience. Our products are developed by technicians for technicians with the goal of "Having No Equal".

<u>Leak Detection</u>	<u>46</u>
<u>Sealants</u>	<u>47</u>
<u>Cleaners</u>	<u>47-48</u>
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<u>Silicone Grease</u>	<u>50</u>
<u>Blocking Putty (Wetrag)</u>	<u>50</u>
<u>Pure Concentrated Coil Cleaners</u>	<u>51-52</u>
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LEAK DETECTION

VIPER BIG BLU

- NSF certified for use around food
- Non-Corrosive
- Detects Micro Leaks down to 19.2ml/year
- Safe of any type of gas



Part Number	Description	Unit	Qty
RT100G	MICRO LEAK DETECTOR BIG BLU 4L	EA	1
RT100S	MICRO LEAK DETECTOR BIG BLU 1L	EA	1

VIPER BIG BLU SUB ZERO

- Big Blu Sub Zero is certified for use on any grade of gas, including hospital-grade oxygen
- Big Blu is food industry compliant (NSF certified), biodegradable, non-toxic, non-flammable and does not contain chlorine, aliphatic amines, or ammonium compounds
- Big Blu contains NO glycerine or other hydrocarbons that react with oxygen gas to produce heat, a very dangerous and possibly explosive situation



Part Number	Description	Unit	Qty
RT150G	MICRO LEAK DETECTOR SUBZERO BLU 4L	EA	1
RT150S	MICRO LEAK DETECTOR SUBZERO BLU 1L	EA	1

VIPER BIG BLU BRUSH ON

- Great for spot leak applications
- Supplied with a 10" telescopic dauber

Part Number	Description	Unit	Qty
RT175B	BLU BRUSH TELESCOPIC DAUBER	EA	1





SEALANTS

NYLOG BLUE

- NYLOG BLUE is synthetic ester oils fully compatible with all systems including those based on PVE oil, HFO refrigerants and CO2.
- Will Never Harden or Dry
- Will Not Clog or Contaminate Systems
- Fully Compatible and Miscible
- Used and recommended by OEMs



Part Number	Description	Unit	Qty
RT201B	SEALANT GASKET TREAD HFC	EA	1

CLEANERS

COIL CLEANER (VIPER BRITE)

- Non-Acid
- High Foaming
- Super Cleaning/Degreasing
- EPA Compliant
- Concentrated: Dilute 10:1 Biodegradable



Part Number	Description	Unit	Qty
RT300G	VIPER BRITE CONDENSER COIL CLEANER	EA	1

EVAPORATOR COIL CLEANER (VIPER EVAP +)

- Non-Rinsing Formula
- Enzymes Destroy Odour Causing Bacteria
- Non-Toxic
- No Odours



Part Number	Description	Unit	Qty
RT350G	VIPER EVAPORATOR COIL CLEANER	EA	1





CONCENTRATED COIL CLEANER

- Non-Rinsing Formula
- Non-Toxic
- No Odours
- Use on Condensers and Evaporators



Part Number	Description	Unit	Qty
RT390G	VIPER HEAVY DUTY COIL CLEANER	EA	1

VIPER NICKEL SAFE ICE MACHING CLEANERS

- Approved for Nickel Plated Evaporators
- Removes More Scale Build-up
- Faster Acting Formula
- Phosphate Free



Part Number	Description	Unit	Qty
RT500N	ICE MACHINE CLEANER .5L	EA	1
RT500G	ICE MACHINE CLEANER 4L	EA	1

VIPER COIL CLEANER

- Non-Rinsing Formula
- Non-Toxic
- No Odours
- Use on Condensers and Evaporators



Part Number	Description	Unit	Qty
RT375A	VIPER COIL CLEANER	EA	1





SPRAYERS

VIPER FOAM GUN

- 5 Dilution Ratios
- No Mixing Required
- Saves Time and Money



Part Number	Description	Unit	Qty
RT300S	VIPER FOAM GUN	EA	1

VIPER FOAM SPRAYER

- 2-in-1 device
- Capable of producing foam or a jet spray
- Compatible with all Viper Coil Cleaners
- Venom Packs, Viper Pan & Drain Treatment
- Viper Big Blu Leak Detector



Part Number	Description	Unit	Qty
RT301S	VIPER FOAM SPRAYER	EA	1

VIPER PAN & DRAIN TREATMENT

- Enzymes Break Down Slime and Sludge
- Spray Application Ensures Full Coverage
- Leaves Behind a Non-Stick Surface
- Available in Gallons for larger applications and quart re-fills



Part Number	Description	Unit	Qty
RT800S	PAN & DRAIN TREATMENT	EA	1





COIL COATING

VIPER COIL COATING

- Permanent Epoxy Resin Coating
- No Heat Transfer Loss
- Protects from Salt Water Damage

Part Number	Description	Unit	Qty
RT640A	VIPER COIL COATING - (432G)	EA	1



SILICONE GREASE

VIPER SILICONE GREASE

- Food Grade
- Heat Sink/Dissipating Compound
- Moisture & Water Repellent
- All Purpose Lubricant

Part Number	Description	Unit	Qty
RT910T	SILICON GREASE TUBE (85G)	EA	1



BLOCKING PUTTY

VIPER WETRAG

- Reusable up to 40 Times
- Withstands Temperatures over 2000 F
- Blocks Direct and Conductive Heat
- Indicator Dye Fades as Product Wears Out

Part Number	Description	Unit	Qty
RT400P	WETRAG HEAT BLOCKING PUTTY	EA	1





PURE CONCENTRATED COIL CLEANERS

VENOM PACK BRIGHTENER

- Brightens coils to a like new shine
- High Foaming
- Non-Acid
- Lightweight pure concentrate

Part Number	Description	Unit	Qty
RT310V	VENOM PACK BRIGHTENER	EA	1



VENOM PACK EVAPORATOR

- Non-Rinsing
- Enzyme Cleaning and Deodorizing Technology
- Aluminium & Micro channel safe
- Lightweight pure concentrate

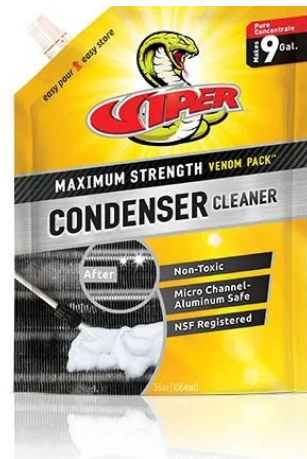
Part Number	Description	Unit	Qty
RT320V	VENOM PACK EVAPORATOR	EA	1



VENOM PACK CONDENSER

- Non-Toxic & No Odour
- High Foaming
- Aluminium and Micro channel safe
- Lightweight pure concentrate

Part Number	Description	Unit	Qty
RT330V	VENOM PACK CONDENSER	EA	1





VENOM PACK ALL PURPOSE

- Spray and Wipe formula
- Washes away bacteria
- Safe on all materials
- Lightweight pure concentrate

Part Number	Description	Unit	Qty
RT340V	VENOM PACK ALL PURPOSE	EA	1



WIPES

VIPER WIPES (ALL PURPOSE WIPES)

- Waterless Hand Wipes
- Cleans Tools and Equipment
- Removes Tough Grease and Mastic
- Leaves Hands Smooth and Soft
- Size: 80 Towels per bucket

Part Number	Description	Unit	Qty
RT600D	VIPER WIPES (80PK)	EA	1





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