



HVAC&R
Catalogue



From 2016



**HVAC&R
Catalogue** From 2016



Catalogue From 2016
Commercial Gas

System Control Engineering



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System Control Engineering HVAC&R Catalogue

from 2016

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■ RANCO PRESSURE CONTROLS



More Information:

- **RAN016-XXXX**
240VAC, 12A FLA, SPDT Contacts
- **RAN017-XXXX**
240V, 12A FLA, SPDT Contacts

RAN016-8706	1/4" MFL, LOW PRESSURE
RAN016-8713	LOW PRESSURE (CAPILLARY)
RAN016-8705	1/4" MFL, LOW PRESSURE (MAN RESET)
RAN016-8750	1/4" MFL, HIGH PRESSURE
RAN016-8751	1/4" MFL, HIGH PRESSURE (MAN RESET)
RAN017-8701	1/4" MFL, DUAL PRESSURE
RAN017-8711	DUAL PRESSURE (CAPILLARY)
RAN017-8705	1/4" MFL, DUAL PRESSURE (MAN ON HIGH)
RAN017-8703	DUAL PRESSURE (MAN ON HIGH & LOW)

■ PENN PRESSURE CONTROLS



More Information:

- **PENP77XXX-XXXX**
IP54 Rated, SPDT Contacts
- **PENP78XXX-XXXX**
IP54 Rated

PENP77AAA-9300	-0.5/7 BAR, LOW PRESSURE
PENP77BCA-9300	-0.5/7 BAR, LOW PRESSURE (MAN RESET)
PENP77AAA-9350	3/30 BAR, HIGH PRESSURE
PENP77BEA-9350	3/30 BAR, HIGH PRESSURE (MAN RESET)
PENP78LCA-9300	0.5/7 BAR, DUAL PRESSURE (AUTO)
PENP78MCA-9300	DUAL PRESSURE (MAN ON HIGH)
PENP78PGA-9300	DUAL PRESSURE (MAN ON HIGH & LOW)
PENP77AAA-9351	3.5/21 BAR, FAN HIGH PRESSURE
PENP77AAW-9355	3/42 BAR, FAN HIGH PRESSURE
PENP78ALA-9351	3.5/21 BAR, DUAL FAN CONTROL

■ DANFOSS PRESSURE CONTROLS



DANKP1-060-110191	1/4" LOW PRESSURE AUTO RESET
DANKP15-060-110366	DUAL PRESSURE AUTO/MAN RESET
DANKP15-060-124166	1/4" DUAL PRESSURE AUTO RESET
DANKP15-060-124366	1/4" DUAL PRESSURE MANUAL RESET HIGH
DANKP15-060-126466	1/4" DUAL PRESSURE AUTO/MAN RESET SIGNAL

■ OIL FAILURE CONTROLS



PENP28AA-41C	90 SECOND DELAY (PENN)
PENP28AA-42C	60 SECOND DELAY (PENN)
PENP45NCA-12C	120 SECOND DELAY (PENN)
RANP30-3701-70	90 SECOND DELAY (RANCO)
RANP30-3801-70	120 SECOND DELAY (RANCO)

■ RANCO & PENN CONTROL ACCESSORIES



RAN018-100-080	T/STAT ICE BANK CONTROL (NON-ADJUST)
RAN3600253006	016 REPLACEMENT COVER FOR THERMOSTAT

RAN3600254004	017 REPLACEMENT COVER FOR PRESS CTRL
RAN31696-1	RANCO ANGLE MOUNT BRACKET
RAN48129-3	RANCO FLAT MOUNT BRACKET
PEN271-51L	PENN MOUNTING BRACKET 'L' SHAPED
PRCT-900DEP	900MM CAPILLARY W/- DEPRESSOR
PRCT-900M	900MM CAPILLARY ADAPTOR KIT

■ DIFFERENTIAL PRESSURE CONTROLS



PENP32AC-2C	12.5/1246PA, DIFF PRESS SWITCH
PENP32AF-2C	12.5/1246PA, DIFF PRESS SWITCH
PENP74EA-8	WATER DIFF PRESS SWITCH

■ YELLOW JACKET FLEXIBLE HOSES



ZAVY78718	450MM FLEXIBLE CAPILLARY HOSE
ZAVY78724	600MM FLEXIBLE CAPILLARY HOSE
ZAVY78736	900MM FLEXIBLE CAPILLARY HOSE
ZAVY78748	1200MM FLEXIBLE CAPILLARY HOSE



DIGITAL CONTROLS

QUICK GUIDE



CAREL IR33 CONTROLS



CARIR33SOER00	MEDIUM TEMP TSTAT & PROBE 240V
CARIR33COH800	HCAP, LOW TEMP TSTAT & PROBES (2) 240V
CARIR33COHR00	LOW TEMP TSTAT & PROBES (2) 240V
CARPJEZSOH000	CAREL MEDIUM TEMP, 1 PROBE (PJEZSOH000)
CARPJEZC0000	CAREL LOW TEMP, 2 PROBES (PJEZC00000)

CAREL IR33 CONTROL ACCESSORIES



ELID8000MB	PLASTIC MOUNT BOX, STANDARD
CARTRADRBE240	TRANSFORMER, DIN RAIL, 240/24VAC
CARTRA00BE240	TRANSFORMER, PANEL, 240/24VAC
CARRLY2403HP	3HP RELAY, 30AMP, 240VAC
CARIRTRRES000	IR REMOTE CONTROL

CAREL MASTERCCELLA CONTROLS



CARMD33A5ER00	MEDIUM TEMPERATURE 240V
CARMD33D5EB00	LOW TEMPERATURE 240V

PEGO CONTROLS



GPECP200	PEGO XPERT200 CONTROLLER
GPECPAP03	PEGO COOLROOM & FREEZER ALARM

ELLIWELL CONTROLS



ELRC500LX	COLDFACE, LT/MT, 240V
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ELIC915	2 STAGE, 8 AMP, 240V
ELID96INTC	-50°C - 150°C, 8 AMP, 240V
ELIDPLUS961	NTC, MEDIUM TEMP, 230V
ELIDPLUS971	NTC, MEDIUM/LOW TEMP, 230V
ELIDPLUS974	NTC, LOW TEMP, 230V

DIXEL CONTROLS



VDXR02CX	MEDIUM TEMP TSTAT, 240V (XR02CX)
VDXR06CX	LOW TEMP TSTAT, 240V (XR06CX)
VDIXR20CX	MEDIUM TEMP TSTAT, 240V (XR20CX)

VDIXR30CX	MEDIUM TEMP TSTAT, 240V (XR30CX)
VDIXR40CX	LOW TEMP TSTAT, 240V (XR40CX)
VDIXR60CX	LOW TEMP TSTAT, 240V (XR60CX)
VDIXW20L	DIXEL CONTROL
ELID8000MB	PLASTIC MOUNT BOX, STANDARD
VDIUNIVERSAL-R	MED & LOW TEMP UNIVERSAL CONTROLLER (12-240V)

EVCO CONTROLS



EVK211N7VXBS	MEDIUM TEMPERATURE, 240V
EVK211N7	MEDIUM TEMPERATURE, 240V, BASIC
EVK203PZVXS	HCAP, LOW TEMPERATURE, 240V

LAE CONTROLS



LAELTR-5CSR	MEDIUM TEMP T'STAT, 12V AC/DC
LAELTR-5CSRE-A	MEDIUM TEMP T'STAT, 240V AC
LAEAT1-5ASIL-AG	MEDIUM TEMP T'STAT, 7-30V DC
LAEAT2-5BS4L-AG	LOW TEMP T'STAT, 7-30V DC



■ PARAGON SUPCO TIMERS



RAN632-21	DEFROST TIMER (632-21)
RAN8245-21	DEFROST TIMER (8245-21)

RANA1400-21	TIMER, 4 x 21MIN (A1400-21)
RANB1401-21	TIMER, 3 x 20MIN (B1401-21)
RAN8045-21	DEFROST TIMER
RAN8145-21	DEFROST TIMER
RAN904500	ELECTRONIC DEFROST, REPLACES 8045-21
RAN914500	ELECTRONIC DEFROST, REPLACES 8145-21

■ THEBEN TIMERS



RANSUL181H	24 HOUR THEBEN TIMER, 16AMP
RANWF64B	24 HOUR THEBEN TIMER, 16AMP
RANWF64C	7 DAY / 24 HOUR THEBEN TIMER, 16AMP
RANWTR610	7 DAY/24HR DIGITAL TIMER (TR610TOP2)

■ WATER REGULATING VALVES (PRESSURE / FLANGE)



PENV46AS-2C	2" FLANGE
PENV46AT-2C	2 1/2" FLANGE

■ WATER FLOW SWITCHES (STANDARD)



PENF61KB-11C	1"NPT, PENN PADDLE (STANDARD)
PENF61SB-9100	1"BSP, PENN, IP43 (STANDARD)
PENF61MB-1C	1"NPT, PENN PADDLE (WEATHERPROOF)
F20401126	1" BSP, WATTS PADDLE (WEATHERPROOF)

■ WATER REGULATING VALVES (R410A / NPT)



PENV246GC	3/4"NPT, HP
PENV246GD	1"NPT, HP
PENV246GE	1 1/4"NPT, HP
PENV246GR	1 1/2"NPT, HP

■ WATER REGULATING VALVES (PRESSURE / NPT)



PENV46AA-9600	3/8"NPT
---------------	---------

PENV46AB-9600	1/2"NPT
PENV46AC-9600	3/4"NPT
PENV46AD-9600	1"NPT
PENV46AE-9600	1 1/4"NPT
PENV46AR-1C	1 1/2"NPT

■ TEMPERATURE PROBES



CARNTC015HP00	TEMP PROBE, 1.5M (NTC015HP)
CARNTC060HP00	TEMP PROBE, 6M (NTC060HP)
NTC015WH01	STAINLESS STEEL, 1.5M
NTC060WH01	STAINLESS STEEL, 6M

■ CAREL PRESSURE TRANSDUCERS



CARSPKT0021C0	-0.5 - 7 BAR SUCTION
CARSPKT0011C0	0 - 10 BAR OIL
CARSPKT0031C0	0 - 30 BAR DISCHARGE
CARSPKC002310	2M CABLE CONNECT (CAREL)



► THERMOSTATS



■ RANCO THERMOSTATS



RAN016-6950	-35° TO -7°C
RAN061-6951	-18° TO 13°C
RAN016-6954	-5° TO 25°C
RAN016-6980	-18° TO 13°C, CROSS AMBIENT MODEL
RAN016-6981	-5° TO 25°C, CROSS AMBIENT MODEL
RAN016-6983	10° TO 40°C, CROSS AMBIENT MODEL
RAN016-8900	18° TO 13°C, COMES WITH 4.5MM BULB
RAN018-100-080	ICE BANK CONTROL, NON-ADJUSTABLE
RAN3600253006	016 REPLACEMENT COVER

■ DANFOSS DOMESTIC THERMOSTATS



DAN077B6043	WAREHOUSE CYCLIC-DEFROST (077B-6043)
DAN077B6138	FDC (077B6138)
DAN077B7001	#1 REFRIGERATION
DAN077B7002	#2 P/B
DAN077B7003	#3 CYCLIC
DAN077B7005	#5 FREEZER
DAN077B7006	#6 FREEZER SIGNAL
DAN077B7007	#7 FRZ REVERSE SIGNAL
DAN077B7008	#8 BEVERAGE

■ PENN THERMOSTATS



PENA19AAB-42C	100° / 290°C, SPST
PENA19ABC-41C	-34° / 38°C, GENERAL PURPOSE
PENA19ABC-67	-34° / 38°C, 6M, CAP
PENA19ABC-5C	10° / 55°C, 2M, CAP SPDT
PENA19ABC-27C	1/2NPT, 38° / 116°C, HOT WATER
PENA19ACA-28	-35° / 40°C, 1.8M, MAN RESET

PENA19ACA-31	-35°/40°C, 3M, MAN RESET
PENA19ADB-26C	38°/116°C, MAN RESET, SPST
PENA19ARC-9105	COOLING TOWER
PENA19BAC-3C	0°-43°C, COILED BULB, SPST
PENA19EAF-7C	15°-55°C, DUCT MOUNT
PENA25CN-4C	-4°/102°C, MAN RESET DUCT
PENA28AA-65C	-34°/40°C - 2.4M, 2 STAGE CAP
PENA419AEC-2C	-34°/100°C, WEATHER PROOF
PENA419ABC-1C	-34°/100°C, ELECTRONIC
PENWEL14A-602R	125MM, BULB WELL BRASS

■ DOMESTIC STYLE THERMOSTATS



RANVC-1	VC1, SINGLE DOOR
RANVA-2	VA2, ABSORPTION
RANVF-3	VF3, FREEZER
RANVP-4	VP4, PUSH BUTTON
RANVS-5	VS5, FREEZER W/- STD SIGNAL
RANVR-6	VR6, FREEZER W/- REV SIGNAL
RANVB-7	VB7, BEVERAGE COOLER

RANA22-2453-70	RAC, COOL ONLY
RANVT-9	VT9, 2 DOOR CYCLIC DEFROST
RANVX-0	VX-0, FDC COIL TEMP
RANVTD9	VTD-9, ICEMAKER HARVEST
RANA22-1129-00	ICEMAKER BIN LEVEL (A22-1129)
RANA22-2217-057	CRYSTAL TIPS HARVEST CONTROL (A22-2217)
RANC17-177	RAC HEAT & COOL (C17-177)
RANC17-334	RAC HEAT & COOL (C17-334)
RANRCR-5052-2	DE-ICE, SINGLE CAP (RCR-5052)
RANE152217257	DE-ICE TIMER THERMOSTAT (E15-2217)



QUICK GUIDE

■ PENN ROOM THERMOSTATS & HUMIDISTATS



PENT2000HHC	10/30C KNOB, 1 STAGE ROOM
PENT25B-9101	5/32C KNOB, 2 STAGE ROOM
PENT25B-9102	5/32C CONCEALED, 2 STAGE ROOM
PENT26S-22C	5/30C KNOB, 2 STAGE ROOM
PENW42AA-1C	10/90%RH HUMIDISTAT, WALL MOUNT

■ LOCKABLE THERMOSTAT GUARDS



VBTKG	THERMOSTAT COVER LOCKABLE 13.4 X 11.1 X 7.6CM
VBTKRK	THERMOSTAT COVER LOCKABLE 16.2 X 8.9 X 7.6CM
VBTKGUK2	THERMOSTAT COVER LOCKABLE 21 X 13.7 X 8.9CM
VAPIPG12	208L x 117W x 90D (API)
W0028	160L x 88W x 82D (WHITE RODGERS)
W0029	206L x 117W x 82D (WHITE RODGERS)

■ HONEYWELL FOCUSPRO 5000 THERMOSTAT



CG161746

TEMP RANGE:	4°C - 32°C
VOLTAGE:	24VAC MAN
OEM PART #:	PRO5000

more info: _____

MORE INFORMATION: 1 HEAT / 1 COOL NON - PROGRAMMABLE

■ HONEYWELL FOCUSPRO 6000 THERMOSTAT



CG161748

TEMP RANGE:	4°C - 32°C
VOLTAGE:	24VAC
PROGRAM:	5/1/1
OEM PART #:	PRO6000

more info: _____

MORE INFORMATION: 1 HEAT / 1 COOL PROGRAMMABLE

■ HONEYWELL VISIONPRO 8000 THERMOSTAT



PRO8000

TEMP RANGE:	4°C - 32°C
VOLTAGE:	24VAC
PROGRAM:	7 DAY
OEM PART #:	PRO8000

more info: _____

MORE INFORMATION: 1 HEAT / 1 COOL PROGRAMMABLE

■ IMT



IM0546070

TEMP RANGE:	5°C - 30°C
VOLTAGE:	24 OR 240VAC

■ SIEMENS



SBREV13

TEMP RANGE:	4°C - 32°C
VOLTAGE:	24 OR 240VAC

more info: _____

MORE INFORMATION: PROGRAMMABLE (DAILY / WEEKLY)

■ WHITE RODGERS



W0009

TYPE:	HEAT/COOL
PROGRAM:	5 + 2
VOLTAGE:	24V OR MILLIVOLT
OEM PART #:	1F78-151

more info: _____



SYSTEM CONTROL ENGINEERING

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► WHITE RODGERS THERMOSTATS

QUICK GUIDE



■ WHITE RODGERS



W0001

TEMP RANGE: 4°C - 35°C

VOLTAGE: 24VAC (OR)

MILLIVOLT

more info: OEM PART #: 1E78-151

MORE INFORMATION: HEAT/COOL PROGRAMMABLE

■ WHITE RODGERS



W0004

TEMP RANGE: 5°C - 35°C

VOLTAGE: 24VAC (OR)

MILLIVOLT

more info: OEM PART #: 1F78-44

MORE INFORMATION: MANUAL OR PROGRAM - (HEAT/COOL)

■ WHITE RODGERS



W0005

Replaces:
Mercury Bulb Thermostat

TEMP RANGE: 4°C - 35°C

VOLTAGE: 24VAC (OR)

MILLIVOLT

more info: OEM PART #: 1E78-140

MORE INFORMATION: 1 STAGE HEAT ONLY

■ WHITE RODGERS



W0006

TEMP RANGE: 7°C - 32°C

VOLTAGE: 24VAC

WARRANTY:

more info: OEM PART #: 1E78-144

MORE INFORMATION: HEAT/COOL NON - PROGRAMMABLE

■ WHITE RODGERS



W00172BLUR

TEMP RANGE: 7°C - 32°C

VOLTAGE: 24V (OR)

MILLIVOLT

more info: OEM PART #: 1F97-1277

MORE INFORMATION: PROGRAMMABLE (7 OR 5/1/1)

■ WHITE RODGERS - BLUE 80



W0019-0471

TEMP RANGE: 7°C - 32°C

VOLTAGE: 24VAC (OR)

MILLIVOLT

more info: OEM PART #: 1F80-0471

MORE INFORMATION: 5/1/1, 5/2, 0 DAY PROGRAM

■ WHITE RODGERS



W0019-261

TEMP RANGE: 7°C - 32°C

VOLTAGE: 24 (OR)

MILLIVOLT

more info: OEM PART #: 1F80-361

MORE INFORMATION: 5/2 DAY PROGRAM

■ WHITE RODGERS DIGITAL THERMOSTAT



W00172

more info:

MORE INFORMATION: DIGITAL THERMOSTAT

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SYSTEM CONTROL ENGINEERING



■ 3 POLE CONTACTORS (240V COIL)



SHLC1-D09M7C	9 AMP
SHLC1-D12M7C	12 AMP
SHLC1-D18M7C	18 AMP
SHLC1-D25M7C	25 AMP
SHLC1-D32M7C	32 AMP

SHLC1-D38M7C	38 AMP
SHLC1-D40M7C	40 AMP
SHLC1-D50M7C	50 AMP
SHLC1-D65M7C	65 AMP
SHLC1-D80M7C	80 AMP
SHLC1-D95M7C	95 AMP
SHLC1-D11500M7C	115 AMP
SHLC1-D15000M7C	150 AMP
SHLC1-D17000M7C	170 AMP

■ 3 POLE STOP/START OVERLOADS



SHGV2ME01C	0.1 - 0.16 AMP
SHGV2ME02C	0.16 - 0.25 AMP
SHGV2ME03C	0.25 - 0.40 AMP
SHGV2ME04C	0.40 - 0.63 AMP
SHGV2ME05C	0.63 - 1.0 AMP
SHGV2ME06C	1.0 - 1.6 AMP
SHGV2ME07C	1.6 - 2.5 AMP
SHGV2ME08C	2.5 - 4.0 AMP
SHGV2ME10C	4.0 - 6.3 AMP

SHGV2ME14C	6.0 - 10.0 AMP
SHGV2ME16C	9.0 - 14.0 AMP
SHGV2ME20C	13.0 - 18.0 AMP
SHGV2ME21C	17.0 - 23.0 AMP
SHGV2ME22C	20.0 - 25.0 AMP
SHGV2ME32C	23.0 - 32.0 AMP
SHGV3P40	30.0 - 40.0 AMP
SHGV3P50	37.0 - 50.0 AMP
SHGV3P65	48.0 - 65.0 AMP
SHGV3ME80 (2)	56.0 - 80.0 AMP

■ STANDARD OVERLOADS



SHLRD01C	0.1 - 0.16 AMP
SHLRD02C	0.16 - 0.25 AMP
SHLRD03C	0.25 - 0.40 AMP
SHLRD04C	0.40 - 0.63 AMP
SHLRD05C	0.63 - 1.0 AMP
SHLRD06C	1.0 - 1.6 AMP
SHLRD07C	1.6 - 2.5 AMP
SHLRD08C	2.5 - 4.0 AMP
SHLRD10C	4.0 - 6.0 AMP
SHLRD12C	5.5 - 8.0 AMP
SHLRD14C	7.0 - 10.0 AMP
SHLRD16C	9.0 - 13.0 AMP
SHLRD21C	12.0 - 18.0 AMP

SHLRD22C	16.0 - 24.0 AMP
SHLRD32C	23.0 - 32.0 AMP
SHLRD35C	30.0 - 38.0 AMP
SHLRD3322C	17.0 - 25.0 AMP
SHLRD3353C	23.0 - 32.0 AMP
SHLRD3355C	30.0 - 40.0 AMP
SHLRD3357C	37.0 - 50.0 AMP
SHLRD3359C	48.0 - 65.0 AMP
SHLRD3361C	55.0 - 70.0 AMP
SHLRD3363C	63.0 - 80.0 AMP
SHLRD3365C	80.0 - 104.0 AMP
SHLRD4365	80.0 - 104.0 AMP
SHLADN11	AUX CONTACT, 1NO SPST-NC (DPST)
SHLAD8N11	AUX CONTACT, 1NO SPST-1NC (DPST)
SHCOIL24V	24V COIL
SHCOIL415V	415V COIL

► **CIRCUIT BREAKERS**■ **D CURVE CIRCUIT BREAKERS**

SHMGN25132	20AMP
SHMGN25133	25AMP
SHMGN25134	32AMP
SHMGN25135	40AMP

■ **RCD CIRCUIT BREAKERS (30mA)**

EHRCDL7-16	16 AMP
EHRCDL7-25	25 AMP
EHRCDL7-32	32 AMP
EHRCDL7-40	40 AMP
EHRCDL7-63	63 AMP

■ **1 POLE CIRCUIT BREAKERS**

	EHCBM7-40	40 AMP
	EHCBM7-63	63 AMP
EHCBM7-10	10 AMP	
EHCBM7-16	16 AMP	
EHCBM7-20	20 AMP	
EHCBM7-25	25 AMP	
EHCBM7-32	32 AMP	

■ **ISOLATOR SWITCHES (WEATHERPROOF)**

VWPS1-20	1 POLE, 250V, 20 AMP, IP66
VWPS3-20	3 POLE, 500V, 20 AMP, IP66
VWPS3-35	3 POLE, 500V, 35 AMP, IP66
VWPSS-20	1 POLE, 250V, 20 AMP, IP66 (MINI SWITCH)
VWPPP2-10	DOUBLE POWERPOINT, 250V, 10 AMP, IP 53





QUICK GUIDE

■ RELAYS / OVERLOADS



VSICG220	1/12 - 1/2HP, CLIP-ON RELAY
VSP0230	1/12 - 1/2HP, PUSH-ON RELAY
VSRS20	1/12 - 1/2HP, THE BIG RELAY
VSRO82	1/12 1/10 1/8HP, RELAY / OVERLOAD
VSRO62	1/6 & 1/5HP, RELAY / OVERLOAD
VSRO42	1/4 & 1/3HP, RELAY / OVERLOAD
VSRO22	1/2HP, RELAY / OVERLOAD
SHCA2KN40U7	240V CONTROL RELAY (NO CONTACTS)

■ STARTER POW-R-PACKS



VSSPP	250%
VSSPP5	300%
VSSPP6	500%

■ STEP DOWN TRANSFORMER

Z0307



2 AMP OUTPUT

■ STEP DOWN TRANSFORMER

Z0302



1.25 AMP OUTPUT

■ DATALOGGER -30°C - +60°C

VLOGRC4TH



TEMP & HUMIDITY (RH 0-99%)

■ PROTECTION RELAY

VTCICM402



PHASE LOSS & REV. PROTECTION

■ ICM TIMERS 18-240V



VTCICM209

more info:

MORE INFORMATION:

TERMINALS:	4
FIXED DELAY:	10 MINUTE
VOLTAGE:	18-240 VAC
ADJUSTMENT:	10MIN
DELAY ON BREAK TIMER	

■ UNIVERSAL POTENTIAL RELAYS 110-270V



VTCUR5M50

more info:

MORE INFORMATION:

HP:	10
VOLTAGE:	110-270 VAC
AMPS:	50
PHASE:	SINGLE
REPLACES ALL STANDARD RELAYS	

■ DUAL & UNIVERSAL RUN CAPACITORS



VRDC4-50+6	50UF + 6UF DUAL CAPACITOR
VRDC4-35+6	35UF + 6UF DUAL CAPACITOR
VRDC4-30+1.5	30UF + 1.6UF DUAL CAPACITOR
CR0200	200 UNIVERSAL RUN CAPACITOR COMBOS

■ START CAPACITORS 330V



VSC3K43-53	43 - 53 MFD
VSC3K72-88	72 - 88 MFD
VSC3K108-130	108 - 130 MFD
VSC3K250-215	250 - 315 MFD



SYSTEM CONTROL ENGINEERING

HVAC&R CATALOGUE

► CAPACITORS

QUICK GUIDE



■ START CAPACITORS 250V



More Information:

- Start Capacitors

Start capacitors are supplied with Bracket, End Cap and Bleed Resistor

VSC2K25-30	25 - 30 MFD
VSC2K31-40	31 - 40 MFD
VSC2K40-50	40 - 50 MFD
VSC2K50-63	50 - 63 MFD
VSC2K63-80	63 - 80 MFD
VSC2K72-88	72 - 88 MFD
VSC2K88-108	88 - 108 MFD
VSC2K108-130	108 - 130 MFD

VSC2K124-149	124 - 149 MFD
VSC2K145-174	145 - 174 MFD
VSC2K160-200	160 - 200 MFD
VSC2K189-227	189 - 227 MFD
VSC2K200-250	200 - 250 MFD
VSC2K216-260	216 - 260 MFD
VSC2K233-280	233 - 280 MFD
VSC2K250-315	250 - 315 MFD
VSC2K270-324	270 - 324 MFD

■ RUN CAPACITORS



More Information:

- Run Capacitors

These run capacitors have P1 safety protection

VRCS-P-4-1	1 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-2	2 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-3	3 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-4	4 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-5	5 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-6	6 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-8	8 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-10	10 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-12	12 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-14	14 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-15	15 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-16	16 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-20	20 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-25	25 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-30	30 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-35	35 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-40	40 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-45	45 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-50	50 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-55	55 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-60	60 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-70	70 MFD, PLASTIC, DETACHABLE BOLT
VRCS-P-4-80	80 MFD, PLASTIC, DETACHABLE BOLT

VRC4-1	1 MFD, 450V, STEEL
VRC4-1.5	1.5 MFD, 450V, STEEL
VRC4-2	2 MFD, 450V, STEEL
VRC4-2.5	2.5 MFD, 450V, STEEL
VRC4-3	3 MFD, 450V, STEEL
VRC4-3.5	3.5 MFD, 450V, STEEL
VRC4-4	4 MFD, 450V, STEEL
VRC4-5	5 MFD, 450V, STEEL
VRC4-6	6 MFD, 450V, STEEL
VRC4-8	8 MFD, 450V, STEEL
VRC4-10	10 MFD, 450V, STEEL
VRC4-12	12 MFD, 450V, STEEL
VRC4-14	14 MFD, 450V, STEEL
VRC4-15	15 MFD, 450V, STEEL
VRC4-16	16 MFD, 450V, STEEL
VRC4-20	20 MFD, 450V, STEEL
VRC4-25	25 MFD, 450V, STEEL
VRC4-30	30 MFD, 450V, STEEL
VRC4-35	35 MFD, 450V, STEEL
VRC4-40	40 MFD, 450V, STEEL
VRC4-45	45 MFD, 450V, STEEL
VRC4-50	50 MFD, 450V, STEEL
VRC4-55	55 MFD, 450V, STEEL
VRC4-60	60 MFD, 450V, STEEL
VRC4-70	70 MFD, 450V, STEEL
VRC4-75	75 MFD, 450V, STEEL
VRC4-80	80 MFD, 450V, STEEL
VRC4-90	90 MFD, 450V, STEEL
VRC4-100	100 MFD, 450V, STEEL

**RCG**
ELECTRICMOTORGROUP

▶ HOW TO SELECT THE CORRECT RCG REPLACEMENT MOTOR



QUICK GUIDE

■ RCG REPLACEMENT CHARTS

SCE/RCG PART NUMBER	REPLACES FASCO / BETTS	REPLACES KULTHORN
▶ RCT85 BLOWER MOTORS REPLACEMENT CHART		
RCT85-3154S-ODP-B02	8061S109-03 / 8061S109-07 / 808555NVA-A13	HF2J4701K
RCT85-5504S-ODP-B02	8061S082-03 / 8061S082-17 / 8061S082-24	KHF2T4703
RCT85-7504S-ODP-B02	8061S128-02 / 8061S128-06	-
▶ RCT85 BAND-MOUNTED SHAFT-UP EVAP FAN MOTORS - EXTENDED-THROUGH BOLTS REPLACEMENT CHART		
RCT85-6004S-ODP-B02CB	8061S161-01	-
RCT85-7504S-ODP-B02CB	80855BQVA-A18	-
RCT85-10004S-ODP-B02CB	80855BRVA-A18	-
▶ RCT 85 PAD-MOUNT SHAFT-DOWN AXIAL EVAP FAN MOTORS REPLACEMENT CHART		
RCGAVAC600	80855BPVC-A11S	-
RCGAVAC750	80855BQVC-A11S	-
▶ RCT 85 LARGE LUG-MOUNTED FAN MOTORS REPLACEMENT CHART		
RCT85-3756S-TE-D02TS	809436NTB-B11	-
RCT85-4506S-TE-D02S	808557NVB-B11	-
▶ RCT 85 BAND-MOUNT SHAFT-DOWN EVAP FAN MOTORS REPLACEMENT CHART		
RCT85-4254S-ODP-B02CE	80855BNVA-A15	-
RCT85-6004S-ODP-B02CE	80855BPVA-A11	-
RCT85-7504S-ODP-B02CE	80855BQVA-A13 (OR) A25 (OR) A21	-
RCT85-9504S-ODP-B02CE	80855BRVA-A13 (OR) A16	-
▶ RCT 85 BLOWER MOTOR REPLACEMENT CHART		
RCT85-804DS-TE-C02	8061S111-80	-
RCT85-1004DS-ODP-C02	8061S083-80	-
RCT85-1304DS-ODP-C02	8061S122-80	KHF2D4701
RCT85-2504DS-ODP-C02	8061S019-80	KHF2F4701
RCT85-3154DS-ODP-C02	8061S109-01 / 8061S109-04 / 808555NVA-A16 / 8061S109-08	HF2J4702K
RCT85-6004DS-ODP-C02	8061S082-80 / 8061S082-15 / 808555PVA-A11	HF2T4702K
RCT85-7504DS-ODP-C02	8061S128-80 / 808555QVA-A11	KHF2T4704
RCT85-406DS-TE-C02	8061S134-80	-
RCT85-2006DS-ODP-C02	8061S004-80	-
▶ RCT 85 CONDENSER FAN MOTOR REPLACEMENT CHART		
RCT85-1804S-TE-M02	808554LTB-A80 / 61S072-15	KHFZF4702
RCT85-1804S-TE-M02T	808534LTB-A12	-
RCT85-1804S-TE-F02T	8061S107-02	-
RCT85-1506S-TE-M02	808557KTB-A11 / 61S059-80	HF3G4701K
RCT85-2506S-TE-M02	8061S137-80	KHF3J4702
RCT85-3006S-TE-M02	8061S118-02 / 8061S118-03	-
RCT85-3706S-TE-M02	8061S120-80	HF3Q4700K
RCT85-2506S-TE-M02T	808536MTB-A11 / 61S124-80	-
RCT85-3706S-TE-B02T	8061S121-80	-
RCT85-4254S-TE-B02	8061S079-02	-
RCT85-3706MS-TE-M05	808557NTA-A11	-

SYSTEM CONTROL ENGINEERING
HVAC&R CATALOGUE

► RCG FAN MOTORS

QUICK GUIDE



■ GENERAL PURPOSE MOTORS (AC / REFRIG / EVAP)



VRCT853154SB02	290-425W, 1/2 HP, 1PH, 4P, 1350/3SPD
VRCT855504SB02	600W, 3/4 HP, 1PH, 4P, 1200/3SPD
VRCT857504SB02	750W, 1 HP, 1PH, 4P, 1360/3SPD

■ EVAP COOLER MOTORS (SHAFT DOWN / 240V)



VRCT854254SODPB02CE	425W, 4 POLE TURBO
VRCT856004SODPB02CE	600W, 4 POLE TURBO
VRCT857504SODPB02CE	750W, 4 POLE TURBO
VRCT859504SODPB02CE	950W, 4 POLE TURBO

■ EVAP COOLER MOTORS (SHAFT UP / TURBO / EXT. BOLTS / 240V)



VRCT856004SODPB02CB	600W, 4 POLE TURBO
VRCT857504SODPB02CB	750W, 4 POLE TURBO
VRCT8510004SODPB02CB	1000W, 4 POLE TURBO

■ EVAP COOLER MOTORS (HORIZONTAL / CRADLE MOUNT / 240V)



VS75A3CG	750W, 3SP, 1400RPM CENTRIF
VS75A2CG	750W, 2SP, 1400/900RPM CENTRIF

■ EVAP COOLER MOTORS (LARGE / 'LUG MOUNTED')



VRCT853756STED02TS	375W, 3PH, 940/1SP, 5/8 SHAFT
VRCT854506STED02S	450W, 1PH, 900/2SP, 3/4 SHAFT

■ EVAP COOLER MOTORS (SINGLE SHAFT / TACHO GROOVE REAR SHIELD)



VRCT853154SODPB02BS1	375W, 3PH, 940/1SP, 5/8 SHAFT
VRCT857504SODPB02BS1	750W, 1PH, 4P

■ FRIDGEMASTER MOTORS (240V / THERMAL FUSE / HORIZONTAL)



VRCT52134STE	13W, SINGLE SHAFT, 1350RPM
VRCT52204STE	20W, SINGLE SHAFT, 1300RPM
VRCT52404DSTE	40W, DOUBLE SHAFT, 1300RPM

■ BLOWER FAN MOTORS (DOUBLE SHAFT)



VRCT852504DSODPC02	250W, 1PH, 4P, 1300/3SPD
VRCT853154DSODPC02	315W, 1PH, 4P, 1350/3SPD
VRCT856004DSODPC02	600W, 1PH, 4P, 1330/3SPD
VRCT857504DSODPC02	750W, 1PH, 4P, 1360/3SPD

■ CONDENSER MOTORS (SINGLE SHAFT)



VRCT851506STEM02	150W, 240V, 6P, 900/3SPD
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VRCT851804STEM02	180W, 240V, 4P, 1380/1SPD
VRCT852506STEM02	250W, 240V, 6P, 910/1SPD
VRCT853706STEM02	370W, 240V, 6P, 900/1SPD
VRCT853706MSTEM05	370W, 240V, 6P, TURBO 870/3SPD
VRCT853706STEB02T	370W, 415V, 3PH, 6P, 890/1SPD



■ RCG 3-PHASE ALLOY MOTORS (STD. FOOT MOUNT / EXTERNAL FAN)



More Information:
240V 1PH Motors also available

VRCT.37D2	0.37KW, 380-415V, 1/2HP, 2P, 3PH, 1400RPM
VRCT.37D4	0.37KW, 380-415V, 1/2HP, 4P, 3PH, 1400RPM
VRCT.55D2	0.55KW, 380-415V, 3/4HP, 2P, 3PH, 1400RPM
VRCT.55D4	0.55KW, 380-415V, 3/4HP, 4P, 3PH, 1400RPM
VRCT.75D2	0.75KW, 380-415V, 1HP, 2P, 3PH, 1400RPM
VRCT.72D4	0.72KW, 380-415V, 1HP, 4P, 3PH, 1400RPM
VRCT1.1D2	1.1KW, 380-415V, 1 1/2HP, 2P, 3PH, 1400RPM
VRCT1.1D4	1.1KW, 380-415V, 1 1/2HP, 4P, 3PH, 1400RPM
VRCT1.5D2	1.5KW, 380-415V, 2HP, 2P, 3PH, 1400RPM
VRCT1.5D4	1.5KW, 380-415V, 2HP, 4P, 3PH, 1400RPM

VRCT2.2D2	2.2KW, 380-415V, 3HP, 2P, 3PH, 1400RPM
VRCT2.2D4	2.2KW, 380-415V, 3HP, 4P, 3PH, 1400RPM
VRCT3D2	3KW, 380-415V, 4HP, 2P, 3PH, 1400RPM
VRCT3D4	3KW, 380-415V, 4HP, 4P, 3PH, 1400RPM
VRCT4D2	4KW, 380-415V, 5 1/2HP, 2P, 3PH, 1400RPM
VRCT4D4	4KW, 380-415V, 5 1/2HP, 4P, 3PH, 1400RPM
VRCT5.5D2	5.5KW, 380-415V, 7 1/2HP, 2P, 3PH, 1400RPM
VRCT5.5D4	5.5KW, 380-415V, 7 1/2HP, 4P, 3PH, 1400RPM
VRCT7.5D2	7.5KW, 380-415V, 10HP, 2P, 3PH, 1400RPM
VRCT7.5D4	7.5KW, 380-415V, 10HP, 4P, 3PH, 1400RPM
VRCT11D2AL	11KW, 380-415V, 15HP, 2P, 3PH, 1400RPM
VRCT11D4AL	11KW, 380-415V, 15HP, 4P, 3PH, 1400RPM
VRCT15D2AL	15KW, 380-415V, 20HP, 2P, 3PH, 1400RPM
VRCT15D4AL	15KW, 380-415V, 20HP, 4P, 3PH, 1400RPM

■ RCG FAN MOTOR ACCESSORIES



VRCT85001	RAINSHIELD
VRCT85002	MOUNT BRACKET (4 LUGS)
VRCT85003	MOUNT BRACKET (3 STUDS)
VRCT85004	MOUNT BRACKET (4 STUDS)
VRCT85005	TERMINAL BOX, 85 SERIES

■ FAN SPEED CONTROLS & FANS



PENP215DP-9100	PENN FAN SPEED CONTROL 14/24 BAR
PENP215PR-9200	PENN FAN SPEED CONTROL 10/25 BAR
VS4E300AP2638	300MM (BITZER/BUFFALO), INDUCED, EBM, 240V
VS4E350AP0648	350MM (BITZER/BUFFALO), INDUCED, EBM, 240V

■ 4 POLE AXIAL FANS



VYD13004F	300MM, FORCED (240V)
VYD13504	300MM, INDUCED (240V)
VYD13504F	300MM, FORCED (240V)
VYS13004	300MM, INDUCED (415V)
VYS13504	350MM, INDUCED (415V)
VYS14004	400MM, INDUCED (415V)
VYD14004	400MM, INDUCED (240V)
VYD14504	450MM, INDUCED (240V)
VYD15004	500MM, INDUCED (240V)
VYD15604	500MM, INDUCED (240V)
VYD16306	630MM, INDUCED (240V)

■ EBM Q SERIES FAN MOTORS



VYZF5	5W
VYZF7	7W
VYZF10	10W
VYZF18	18W
VYZF20	20W
VYZF25	25W
VYZF40	40W
VYZF45	45W
VIQ361201050	10W, IQ3612-01050/B01



► EVAPORATIVE COOLER SPARES

QUICK GUIDE



■ EVAP COOLER PUMP

VEBM40JB



EBM40JB

■ EVAP COOLER PUMP

CG101010



JRM38

■ EVAP COOLER PUMP

CG101006



JRM50

■ TORNADO PUMP (BRAEMAR)

CG101080



BRAEMAR TORNADO PUMP

■ BASKET PUMP FILTER

CG101012



PUMP FILTER (BASKET)

■ DUMP VALVE (BONAIRE)

CG101062



INTEGRA

■ SOLENOID VALVE (24VAC)

CG101083



BRIVIS SOLENOID VALVE

■ SOLENOID (DUMP VALVE)

CG101066



BONAIRE SOLENOID VALVE

■ SOLENOID VALVE (24VAC)

CG101064



BONAIRE SOLENOID VALVE

■ BALL VALVE (CISTERN)

CG101068



1/2" CISTERN BALL VALVE

■ FLOAT VALVE

CG101146



HORIZONTAL FLOAT VALVE

■ COLLET ASSEMBLY (FAN)

CG101014



FAN COLLET ASSEMBLY

■ FAN BLADE (BONAIRE)

CG101088



BONAIRE FAN BLADE

■ CONTROL BOARD (PNE)

CG101046



VARIABLE SPEED

■ CONTROL BOX (TEK600)

CG101048



TEK600 CONTROL BOX

■ MANUAL CONTROL

CG161932



S/BREEZE WALL CONTROL

HVAC&R CATALOGUE

SYSTEM CONTROL ENGINEERING



COPPER WASHERS, 'Y' PIECES & ELBOWS ◀



QUICK GUIDE

■ COPPER WASHERS



ACR10904	1/4" (FLARE WASHER)
ACR10906	3/8" (FLARE WASHER)
ACR10908	1/2" (FLARE WASHER)
ACR10910	5/8" (FLARE WASHER)
ACR10912	3/4" (FLARE WASHER)
ACR11104	1/4" MFL (FLARE-SAFE WASHER)
ACR11105	5/16" MFL (FLARE-SAFE WASHER)
ACR11106	3/8" MFL (FLARE-SAFE WASHER)
ACR11108	1/2" MFL (FLARE-SAFE WASHER)
ACR11110	5/8" MFL (FLARE-SAFE WASHER)
ACR11112	3/4" MFL (FLARE-SAFE WASHER)

■ COPPER 'Y' PIECES



ACR113080606	1/2" x 3/8" x 3/8" (R410A)
ACR113080808	1/2" x 1/2" x 1/2" (R410A)
ACR113100808	5/8" x 1/2" x 1/2" (R410A)
ACR113101010	5/8" x 5/8" x 5/8" (R410A)
ACR113121010	3/4" x 5/8" x 5/8"
ACR113121212	3/4" x 3/4" x 3/4"
ACR113141010	7/8" x 5/8" x 5/8"
ACR113141414	7/8" x 7/8" x 7/8"
ACR113181414	1 1/8" x 7/8" x 7/8"
ACR113221414	1 3/8" x 7/8" x 7/8"
ACR113261818	1 5/8" x 1 1/8" x 1 1/8"

■ COPPER ELBOW 90° (ID X ID)



▼ **More Information:**
- **Meets AS 1571 Standards**
Designed, Manufactured & Tested
to exceed Australian Standards AS1571

ACR1030404	1/4" (R410A)
ACR1030606	3/8" (R410A)
ACR1030808	1/2" (R410A)
ACR1031010	5/8" (R410A)
ACR1031212	3/4" (R410A)
ACR1031414	7/8" (R410A)
ACR1031616	1" (R410A)
ACR1031818	1 1/8"
ACR1031818-410A	1 1/8" (R410A)

ACR1032020	1 1/4"
ACR1032020-410A	1 1/4" (R410A)
ACR1032222	1 3/8"
ACR1032222-410A	1 3/8" (R410A)
ACR1032424	1 1/2"
ACR1032626	1 5/8"
ACR1032626-410A	1 5/8" (R410A)
ACR1033232	2"
ACR1033434	2 1/8"
ACR1034242	2 5/8"
ACR1034848	3"
ACR1035050	3 1/8"

■ COPPER ELBOW 45° (ID X ID)



▼ **More Information:**
- **Meets AS 1571 Standards**
Designed, Manufactured & Tested
to exceed Australian Standards AS1571

ACR1050606	3/8" (R410A)
ACR1050808	1/2" (R410A)
ACR1051010	5/8" (R410A)
ACR1051212	3/4" (R410A)
ACR1051414	7/8" (R410A)
ACR1051616	1" (R410A)
ACR1051818	1 1/8"

ACR1051818-410A	1 1/8" (R410A)
ACR1052020	1 1/4"
ACR1052222	1 3/8"
ACR1052222-410A	1 3/8" (R410A)
ACR1052424	1 1/2"
ACR1052626	1 5/8"
ACR1052626-410A	1 5/8" (R410A)
ACR1053232	2"
ACR1053434	2 1/8"
ACR1054242	2 5/8"
ACR1055050	3 1/8"



SYSTEM CONTROL ENGINEERING

HVAC&R CATALOGUE

► COPPER ELBOWS & TEES

QUICK GUIDE



■ SHORT RADIUS COPPER ELBOW 90°



▼ More Information:

- Meets AS 1571 Standards

Designed, Manufactured & Tested
to exceed Australian Standards AS1571

ACR1040404	1/4" (R410A)
ACR1040606	3/8" (R410A)
ACR1040808	1/2" (R410A)
ACR1041010	5/8" (R410A)
ACR1041212	3/4" (R410A)
ACR1041414	7/8" (R410A)
ACR1041616	1" (R410A)
ACR1041818	1 1/8"
ACR1042020	1 1/4"
ACR1042222	1 3/8"
ACR1042424	1 1/2"
ACR1042626	1 5/8"
ACR1043434	2 1/8"
ACR1044848	3"

■ MALE/FEMALE COPPER ELBOW 90° (OD X ID)



▼ More Information:

- Meets AS 1571 Standards

Designed, Manufactured & Tested
to exceed Australian Standards AS1571

ACR1020606	3/8" (R410A)
ACR1020808	1/2" (R410A)
ACR1021010	5/8" (R410A)
ACR1021212	3/4" (R410A)
ACR1021414	7/8" (R410A)
ACR1021616	1" (R410A)
ACR1021818	1 1/8"
ACR1022020	1 1/4"
ACR1022222	1 3/8"
ACR1022424	1 1/2"
ACR1022626	1 5/8"
ACR1023434	2 1/8"
ACR1024242	2 5/8"

■ COPPER TEES



▼ More Information:

- Meets AS 1571 Standards

Designed, Manufactured & Tested
to exceed Australian Standards AS1571

ACR106040404	1/4" (R410A)
ACR106050505	5/16" (R410A)
ACR106060606	3/8" (R410A)
ACR106080808	1/2" (R410A)
ACR106101010	5/8" (R410A)
ACR106121212	3/4" (R410A)
ACR106141414	7/8" (R410A)
ACR106161616	1" (R410A)

ACR106181818	1 1/8"
ACR106181818-410A	1 1/8" (R410A)
ACR106202020	1 1/4"
ACR106222222	1 3/8"
ACR106222222-410A	1 3/8" (R410A)
ACR106242424	1 1/2"
ACR106262626	1 5/8"
ACR106323232	2"
ACR106343434	2 1/8"
ACR106424242	2 5/8"
ACR106484848	3"
ACR106505050	3 1/8"

■ INCREASING / REDUCING COPPER TEES



▼ More Information:

- Meets AS 1571 Standards

Designed, Manufactured & Tested
to exceed Australian Standards AS1571

ACR106050504	5/16" x 5/16" x 1/4" (R410A)
ACR106060604	3/8" x 3/8" x 1/4" (R410A)
ACR106080804	1/2" x 1/2" x 1/4" (R410A)
ACR106080806	1/2" x 1/2" x 3/8" (R410A)
ACR106101006	5/8" x 5/8" x 3/8" (R410A)

ACR106101008	5/8" x 5/8" x 1/2" (R410A)
ACR106121206	3/4" x 3/4" x 3/8" (R410A)
ACR106121208	3/4" x 3/4" x 1/2" (R410A)
ACR106121210	3/4" x 3/4" x 5/8" (R410A)
ACR106161608	1" x 1" x 1/2" (R410A)
ACR106161612	1" x 1" x 3/4" (R410A)
ACR106181814	1 1/8" x 1 1/8" x 7/8"
ACR106222214	1 3/8" x 1 3/8" x 7/8"



■ COPPER COUPLINGS



More Information:
- Meets AS 1571 Standards
Designed, Manufactured & Tested
to exceed Australian Standards AS1571

ACR1010404	1/4" (R410A)
ACR1010505	5/16" (R410A)
ACR1010606	3/8" (R410A)
ACR1010808	1/2" (R410A)
ACR1011010	5/8" (R410A)
ACR1011212	3/4" (R410A)
ACR1011414	7/8"G (R410A)
ACR1011616	1" (R410A)
ACR1011818	1 1/8"
ACR1011818-410A	1 1/8" (R410A)
ACR1012020	1 1/4"

ACR1012222	1 3/8"
ACR1012222-410A	1 3/8" (R410A)
ACR1012424	1 1/2"
ACR1012626	1 5/8"
ACR1012626-410A	1 5/8" (R410A)
ACR1013232	2"
ACR1013434	2 1/8"
ACR1014242	2 5/8"
ACR1015050	3 1/8"

■ COPPER REDUCING COUPLINGS (ID X ID)



More Information:
- Meets AS 1571 Standards
Designed, Manufactured & Tested
to exceed Australian Standards AS1571

ACR1010604	3/8" x 1/4" (R410A)
ACR1010804	1/2" x 1/4" (R410A)
ACR1010806	1/2" x 3/8" (R410A)
ACR1011006	5/8" x 3/8" (R410A)
ACR1011008	5/8" x 1/2" (R410A)
ACR1011206	3/4" x 3/8" (R410A)
ACR1011208	3/4" x 1/2" (R410A)
ACR1011210	3/4" x 5/8" (R410A)
ACR1011408	7/8" x 1/2" (R410A)
ACR1011410	7/8" x 5/8" (R410A)
ACR1011412	7/8" x 3/4" (R410A)
ACR1011608	1" x 1/2" (R410A)
ACR1011612	1" x 3/4" (R410A)
ACR1011614	1" x 7/8" (R410A)
ACR1011808	1 1/8" x 1/2"
ACR1011810	1 1/8" x 5/8"
ACR1011810-410A	1 1/8" x 5/8" (R410A)
ACR1011812	1 1/8" x 3/4"
ACR1011812-410A	1 1/8" x 3/4" (R410A)
ACR1011814	1 1/8" x 7/8"
ACR1011814-410A	1 1/8" x 7/8" (R410A)
ACR1011816	1 1/8" x 1"

ACR1012016	1 1/4" x 1"
ACR1012210	1 3/8" x 5/8"
ACR1012212	1 3/8" x 3/4"
ACR1012214	1 3/8" x 7/8"
ACR1012218	1 3/8" x 1 1/8"
ACR1012420	1 1/2" x 1 1/4"
ACR1012614	1 5/8" x 7/8"
ACR1012618	1 5/8" x 1 1/8"
ACR1012622	1 5/8" x 1 3/8"
ACR1012622-410A	1 5/8" x 1 3/8" (R410A)
ACR1013418	2 1/8" x 1 1/8"
ACR1013422	2 1/8" x 1 3/8"
ACR1013426	2 1/8" x 1 5/8"
ACR1014222	2 5/8" x 1 3/8"
ACR1014226	2 5/8" x 1 5/8"
ACR1014234	2 5/8" x 2 1/8"
ACR1014842	3" x 2 5/8"
ACR1015042	3 1/8" x 2 5/8"
ACR1015050	3 1/8" x 3 1/8"



► COPPER BUSHES, STOP ENDS & BONNETS

QUICK GUIDE



■ COPPER REDUCING BUSHES (OD X ID)



More Information:
- Meets AS 1571 Standards
 Designed, Manufactured & Tested
 to exceed Australian Standards AS1571

ACR1000604	3/8"OD x 1/4"ID (R410A)
ACR1000804	1/2"OD x 1/4"ID (R410A)
ACR1000806	1/2"OD x 3/8"ID (R410A)
ACR1001006	5/8"OD x 3/8"ID (R410A)
ACR1001008	5/8"OD x 1/2"ID (R410A)
ACR1001208	3/4"OD x 1/2"ID (R410A)
ACR1001210	3/4"OD x 5/8"ID (R410A)
ACR1001408	7/8"OD x 1/2"ID (R410A)
ACR1001410	7/8"OD x 5/8"ID (R410A)
ACR1001412	7/8"OD x 3/4"ID (R410A)
ACR1001612	1"OD x 3/4"ID (R410A)
ACR1001808	1 1/8"OD x 1/2"ID
ACR1001810	1 1/8"OD x 5/8"ID
ACR1001810-410A	1 1/8"OD x 5/8"ID (R410A)
ACR1001812	1 1/8"OD x 3/4"ID
ACR1001814	1 1/8"OD x 7/8"ID
ACR1001814-410A	1 1/8"OD x 7/8"ID (R410A)
ACR1002016	1 1/4"OD x 1"ID
ACR1002210	1 3/8"OD x 5/8"ID

ACR1002214	1 3/8"OD x 7/8"ID
ACR1002214-410A	1 3/8"OD x 7/8"ID (R410A)
ACR1002218	1 3/8"OD x 1 1/8"ID
ACR1002218-410A	1 3/8"OD x 1 1/8"ID (R410A)
ACR1002420	1 1/2"OD x 1 1/4"ID
ACR1002614	1 5/8"OD x 7/8"ID
ACR1002618	1 5/8"OD x 1 1/8"ID
ACR1002622	1 5/8"OD x 1 3/8"ID
ACR1002622-410A	1 5/8"OD x 1 3/8"ID (R410A)
ACR1003224	2"OD x 1 1/2"ID
ACR1003418	2 1/8"OD x 1 1/8"ID
ACR1003422	2 1/8"OD x 1 3/8"ID
ACR1003426	2 1/8"OD x 1 5/8"ID
ACR1004226	2 5/8"OD x 1 5/8"ID
ACR1004234	2 5/8"OD x 2 1/8"ID
ACR1004240	2 5/8"OD x 2 1/2"ID
ACR1004834	3"OD x 2 1/8"ID
ACR1004842	3"OD x 2 5/8"ID
ACR1005034	3 1/8"OD x 2 1/8"ID
ACR1005042	3 1/8"OD x 2 5/8"ID
ACR1005048	3 1/8"OD x 3"ID

■ COPPER STOP ENDS



ACR11006	3/8" (R410A)
ACR11008	1/2" (R410A)
ACR11010	5/8" (R410A)
ACR11012	3/4" (R410A)
ACR11014	7/8" (R410A)
ACR11016	1" (R410A)
ACR11018	1 1/8" (R410A)

ACR11020	1 1/4" (R410A)
ACR11022	1 3/8" (R410A)
ACR11024	1 1/2" (R410A)
ACR11026	1 5/8" (R410A)
ACR11032	2"
ACR11034	2 1/8"
ACR11042	2 5/8"
ACR11048	3"
ACR11050	3 1/8"
ACR11064	4"

■ COPPER BONNETS (R410A)



ACR10804	1/4" (R410A)
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ACR10806	3/8" (R410A)
ACR10808	1/2" (R410A)
ACR10810	5/8" (R410A)
ACR10812	3/4" (R410A)



QUICK GUIDE

■ PAIRCOIL (R410A)

More Information:
- AS1571

PC1438	1/4" - 3/8" (20M)
PC1412	1/4" - 1/2" (20M)
PC1458	1/4" - 5/8" (20M)
PC3858	3/8" - 5/8" (20M)
PC3834	3/8" - 3/4" (20M)
PC1234	1/2" - 3/4" (20M)

■ FR PAIRCOIL (R410A)

More Information:
- AS1571

PCFR1438-13	13MM, 1/4" - 3/8" (20M)
PCFR1412-13	13MM, 1/4" - 1/2" (20M)
PCFR1458-13	13MM, 1/4" - 5/8" (20M)
PCFR3858-13	13MM, 3/8" - 5/8" (20M)
PCFR3834-13	13MM, 3/8" - 3/4" (20M)
PCFR1438-19	19MM, 1/4" - 3/8" (15M)
PCFR1412-19	19MM, 1/4" - 1/2" (15M)
PCFR1458-19	19MM, 1/4" - 5/8" (15M)
PCFR3858-19	19MM, 3/8" - 5/8" (15M)
PCFR3834-19	19MM, 3/8" - 3/4" (15M)

■ 'P' TRAPS



ACR10710	5/8" (R410A)
ACR10712	3/4" (R410A)
ACR10714	7/8" (R410A)
ACR10718	1 1/8" (R410A)
ACR10722	1 3/8"
ACR10726	1 5/8"
ACR10734	2 1/8"

■ COPPER PIPE CLIPS



ACR11504	1/4"
ACR11505	5/16"
ACR11506	3/8"
ACR11508	1/2"
ACR11510	5/8"
ACR11512	3/4"
ACR11514	7/8"
ACR11516	1"
ACR11518	1 1/8"
ACR11520	1 1/4"
ACR11522	1 3/8"
ACR11526	1 5/8"
ACR11534	2 1/8"
ACR11540	2 1/2"

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► PIPE CLIPS CONT.



■ INSULCLIPS



FLFM132R14	1/4"
FLFM132R38	3/8"
FLFM132R12	1/2"
FLFM132R58	5/8"
FLFM132R34	3/4"
FLFM132R78	7/8"
FLFM132R118	1 1/8"
FLFM132R114	1 1/4"
FLFM132R138	1 3/8"

FLFM132R158	1 5/8"
FLFM132R218	2 1/8"
FLFM132R258	2 5/8"
FLFM132R318	3 1/8"
FLFM132R418	4 1/8"

■ RPC ALL TREAD PIPE CLIPS



RPCSC1054	RPC ALL TREAD PIPE CLIP 54MM
RPCSC1050	RPC ALL TREAD PIPE CLIP 50MM
RPCSC1042	RPC ALL TREAD PIPE CLIP 42MM
RPCSC1040	RPC ALL TREAD PIPE CLIP 40MM
RPCSC1035	RPC ALL TREAD PIPE CLIP 35MM
RPCSC1032	RPC ALL TREAD PIPE CLIP 32MM
RPCSC1028	RPC ALL TREAD PIPE CLIP 28MM
RPCSC1025	RPC ALL TREAD PIPE CLIP 25MM
RPCSC1022	RPC ALL TREAD PIPE CLIP 22MM

RPCSC1020	RPC ALL TREAD PIPE CLIP 20MM
RPCSC1015	RPC ALL TREAD PIPE CLIP 15MM

■ RPC INTERNAL PIE CLIP UNISTRUT



RPCIC54	RPC INTERNAL PIE CLIP UNISTRUT 54MM
RPCIC50	RPC INTERNAL PIE CLIP UNISTRUT 50MM
RPCIC42	RPC INTERNAL PIE CLIP UNISTRUT 42MM
RPCIC40	RPC INTERNAL PIE CLIP UNISTRUT 40MM
RPCIC35	RPC INTERNAL PIE CLIP UNISTRUT 35MM
RPCIC32	RPC INTERNAL PIE CLIP UNISTRUT 32MM
RPCIC28	RPC INTERNAL PIE CLIP UNISTRUT 28MM
RPCIC25	RPC INTERNAL PIE CLIP UNISTRUT 25MM
RPCIC22	RPC INTERNAL PIE CLIP UNISTRUT 22MM

RPCIC20	RPC INTERNAL PIE CLIP UNISTRUT 20MM
RPCIC15	RPC INTERNAL PIE CLIP UNISTRUT 15MM





QUICK GUIDE

■ BRASS MALE FLARED ELBOWS



ACR2610404	1/4" MFL x 1/4" MFL
ACR2610606	3/8" MFL x 3/8" MFL
ACR2610808	1/2" MFL x 1/2" MFL

■ BRASS MALE X FEMALE FLARED ELBOWS



ACR2600404	1/4" MFL x 1/4" FFL
ACR2600406	1/4" MFL x 3/8" FFL
ACR2600606	3/8" MFL x 3/8" FFL
ACR2600808	1/2" MFL x 1/2" FFL

■ BRASS MALE FLARED X MALE BSP ELBOWS



ACR2220402	1/4" MFL x 1/8" MBSP
ACR2220404	1/4" MFL x 1/4" MBSP
ACR2220406	1/4" MFL x 3/8" MBSP
ACR2220602	3/8" MFL x 1/8" MBSP
ACR2220604	3/8" MFL x 1/4" MBSP

ACR2220606	3/8" MFL x 3/8" MBSP
ACR2220608	3/8" MFL x 1/2" MBSP
ACR2220806	1/2" MFL x 3/8" MBSP
ACR2220808	1/2" MFL x 1/2" MBSP
ACR2221008	5/8" MFL x 1/2" MBSP
ACR2221212	3/4" MFL x 3/4" MBSP
ACR2230402	1/4" MFL x 1/8" MNPT

■ BRASS TEES (MIXED)



ACR230040404	1/4" MFL x 1/4" MFL x 1/4" MFL
ACR230060606	3/8" MFL x 3/8" MFL x 3/8" MFL
ACR230080808	1/2" MFL x 1/2" MFL x 1/2" MFL
ACR230101010	5/8" MFL x 5/8" MFL x 5/8" MFL
ACR230121212	3/4" MFL x 3/4" MFL x 3/4" MFL

ACR232040404	1/4" MFL x 1/4" MFL x 1/4" FFL
ACR233040402	1/4" MFL x 1/4" MFL x 1/8" MBSP
ACR233040404	1/4" MFL x 1/4" MFL x 1/4" MBSP
ACR235040402	1/4" MFL x 1/8" MNPT x 1/4" MFL
ACR235040404	1/4" MFL x 1/4" MNPT x 1/4" MFL
ACR237040404	1/4" FBSP x 1/4" FBSP x 1/4" FBSP

■ SHORT BARREL FLARE NUTS



ACR2010404	1/4" FL
ACR2010504	5/16" FL x 1/4"
ACR2010606	3/8" FL
ACR2010808	1/2" FL
ACR2011010	5/8" FL
ACR2011212	3/4" FL

■ FROST PROOF FLARE NUTS



ACR2020404	1/4" FL
ACR2020604	3/8" FL x 1/4"
ACR2020606	3/8" FL
ACR2020806	1/2" FL x 3/8"
ACR2020808	1/2" FL
ACR2021010	5/8" FL
ACR2021212	3/4" FL



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► BRASS UNIONS & ADAPTORS



■ BRASS UNIONS (FSAE X FSAE)



ACR2260404	1/4" x 1/4"
ACR2260606	3/8" x 3/8"
ACR2260808	1/2" x 1/2"

■ BRASS UNIONS (FBSP X FBSP)



ACR2280202	1/8" x 1/8"
ACR2280404	1/4" x 1/4"
ACR2280606	3/8" x 3/8"
ACR2280808	1/2" x 1/2"
ACR2281212	3/4" x 3/4"

■ BRASS UNIONS (MBSP X FBSP)



ACR2160402	1/4" MBSP x 1/8" FBSP
ACR2160406	1/4" MBSP x 3/8" FBSP
ACR2160604	3/8" MBSP x 1/4" FBSP
ACR2160804	1/2" MBSP x 1/4" FBSP
ACR2160806	1/2" MBSP x 3/8" FBSP
ACR2161208	3/4" MBSP x 1/2" FBSP
ACR2161612	1" MBSP x 3/4" FBSP

■ BRASS SWIVEL UNIONS (FSAE)



ACR29504	1/4"
ACR29506	3/8"
ACR29508	1/2"
ACR29510	5/8"
ACR29512	3/4"

■ BRASS FLARESAFE ADAPTORS



ACR2100404	1/4" FL x 1/4" SOL
ACR2100504	5/16" FL x 1/4" SOL
ACR2100606	3/8" FL x 3/8" SOL
ACR2100808	1/2" FL x 1/2" SOL
ACR2101010	5/8" FL x 5/8" SOL
ACR2101212	3/4" FL x 3/4" SOL

■ BRASS CYLINDER ADAPTORS (3/4" BSP)



ACR2030412	1/4" MSAE
ACR2030512	5/16" MSAE
ACR2030612	3/8" MSAE
ACR2030532	5/16" MSAE x 3/4" FSBPP (L/H THREADED)

■ ADAPTORS ACCESSORIES



ACR2030012	3/4" BRASS ADAPTOR CAP
ACR20WASH	REPLACEMENT ADAPTOR WASHER





QUICK GUIDE

■ BRASS UNIONS (MSAE X FSAE)



ACR2450404	1/4"MSAE x 1/4"FSAE
ACR2450405	1/4"MSAE x 5/16"FSAE
ACR2450406	1/4"MSAE x 3/8"FSAE
ACR2450408	1/4"MSAE x 1/2"FSAE
ACR2450504	5/16"MSAE x 1/4"FSAE

ACR2450604	3/8"MSAE x 1/4"FSAE
ACR2450606	3/8"MSAE x 3/8"FSAE
ACR2450608	3/8"MSAE x 1/2"FSAE
ACR2450804	1/2"MSAE x 1/4"FSAE
ACR2450806	1/2"MSAE x 3/8"FSAE
ACR2450810	1/2"MSAE x 5/8"FSAE
ACR2451008	5/8"MSAE x 1/2"FSAE
ACR2451012	5/8"MSAE x 3/4"FSAE
ACR2451210	3/4"MSAE x 5/8"FSAE

■ BRASS UNIONS (MSAE X FBSP)



ACR2460402	1/4"MSAE x 1/8"FBSP
ACR2460404	1/4"MSAE x 1/4"FBSP
ACR2460406	1/4"MSAE x 3/8"FBSP
ACR2460604	3/8"MSAE x 1/4"FBSP

ACR2460606	3/8"MSAE x 3/8"FBSP
ACR2460608	3/8"MSAE x 1/2"FBSP
ACR2460806	1/2"MSAE x 3/8"FBSP
ACR2460808	1/2"MSAE x 1/2"FBSP
ACR2461008	5/8"MSAE x 1/2"FBSP

■ BRASS UNIONS (MSAE X FNPT)



ACR2470402	1/4"MSAE x 1/8"FNPT
ACR2470404	1/4"MSAE x 1/4"FNPT

■ BRASS UNIONS (MBSP X SOLDER)



ACR2190404	1/4"MBSP x 1/4"ID SOL
ACR2190604	3/8"MBSP x 1/4"ID SOL
ACR2190606	3/8"MBSP x 3/8"ID SOL
ACR2190608	3/8"MBSP x 1/2"ID SOL
ACR2190808	1/2"MBSP x 1/2"ID SOL
ACR2190810	1/2"MBSP x 5/8"ID SOL
ACR2191212	3/4"MBSP x 3/4"ID SOL
ACR2191616	1" MBSP x 1" ID SOL

■ BRASS UNIONS (MSAE X SOLDER)



ACR2180404	1/4"MSAE x 1/4"ID SOL
ACR2180406	1/4"MSAE x 3/8"ID SOL
ACR2180606	3/8"MSAE x 3/8"ID SOL
ACR2180608	3/8"MSAE x 1/2"ID SOL

ACR2180610	3/8"MSAE x 5/8"ID SOL
ACR2180806	1/2"MSAE x 3/8"ID SOL
ACR2180808	1/2"MSAE x 1/2"ID SOL
ACR2181008	5/8"MSAE x 1/2"ID SOL
ACR2181010	5/8"MSAE x 5/8"ID SOL
ACR2181012	5/8"MSAE x 3/4"ID SOL
ACR2181212	3/4"MSAE x 3/4"ID SOL

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► BRASS UNIONS & PLUGS

QUICK GUIDE



■ BRASS UNIONS (MBSP X MBSP)



ACR2510202	1/8" x 1/8"
ACR2510402	1/4" x 1/8"

ACR2510404	1/4" x 1/4"
ACR2510604	3/8" x 1/4"
ACR2510606	3/8" x 3/8"
ACR2510806	1/2" x 3/8"
ACR2510808	1/2" x 1/2"
ACR2511212	1/2" x 1/2"

■ BRASS UNIONS (MSAE X MSAE)



ACR2400404	1/4" x 1/4"
ACR2400504	5/16" x 1/4"
ACR2400505	5/16" x 5/16"
ACR2400604	3/8" x 1/4"

ACR2400606	3/8" x 3/8"
ACR2400804	1/2" x 1/4"
ACR2400806	1/2" x 3/8"
ACR2400808	1/2" x 1/2"
ACR2401008	5/8" x 1/2"
ACR2401010	5/8" x 5/8"
ACR2401212	3/4" x 3/4"

■ BRASS UNIONS (MSAE X MBSP)



ACR2210402	1/4" MSAE x 1/8" MBSP
ACR2210402L	1/4" MSAE x 1/8" MBSP L/T
ACR2210404	1/4" MSAE x 1/4" MBSP
ACR2210406	1/4" MSAE x 3/8" MBSP
ACR2210408	1/4" MSAE x 1/2" MBSP
ACR2210602	3/8" MSAE x 1/8" MBSP
ACR2210604	3/8" MSAE x 1/4" MBSP

ACR2210606	3/8" MSAE x 3/8" MBSP
ACR2210608	3/8" MSAE x 1/2" MBSP
ACR2210612	3/8" MSAE x 3/4" MBSP
ACR2210804	1/2" MSAE x 1/4" MBSP
ACR2210806	1/2" MSAE x 3/8" MBSP
ACR2210808	1/2" MSAE x 1/2" MBSP
ACR2210812	1/2" MSAE x 3/4" MBSP
ACR2211008	5/8" MSAE x 1/2" MBSP
ACR2211012	5/8" MSAE x 3/4" MBSP
ACR2211208	3/4" MSAE x 1/2" MBSP
ACR2211212	3/4" MSAE x 3/4" MBSP

■ BRASS UNIONS (MSAE X MNPT)



ACR2440402	1/4" MSAE x 1/8" MNPT
ACR2440404	1/4" MSAE x 1/4" MNPT
ACR2440406	1/4" MSAE x 3/8" MNPT
ACR2440606	3/8" MSAE x 3/8" MNPT

■ BRASS PIPE PLUGS



ACR28002	1/8" (MBSP)
ACR28004	1/4" (MBSP)
ACR28006	3/8" (MBSP)
ACR28008	1/2" (MBSP)
ACR28012	3/4" (MBSP)
ACR28504	1/4" (MNPT)
ACR28506	3/8" (MNPT)
ACR28508	1/2" (MNPT)



QUICK GUIDE

■ BRASS SEAL CAP (FSAE)



ACR27504	1/4"
ACR27505	5/16"
ACR27506	3/8"
ACR27508	1/2"
ACR27510	5/8"

■ BRASS SEAL PLUG (MSAE)



ACR27004	1/4"
ACR27005	5/16"
ACR27006	3/8"
ACR27008	1/2"
ACR27010	5/8"
ACR27012	3/4"

■ SCHRADERS



ACR2070402	1/4" MFL x 1/8" MNPT
ACR2070404	1/4" MFL x 1/4" MNPT
ACR2060402	1/4" MFL x 1/8" MBSP
ACR2060404	1/4" MFL x 1/4" MBSP
ACR2060504	5/16" MFL x 1/4" MBSP

■ SCHRADER UNIONS (NO TAILS)



ACR21745D-410A	1/4" FL x 5/16" FFLD (R410A)
ACR21754D-410A	5/16" FL x 1/4" FFLD (R410A)
ACR2094033	1/4" MFL x 3 STEPS
ACR2090404	1/4" MFL x 1/4" ID

■ SCHRADER TEES



ACR213040404	1/4" FFL x 1/4" FL x 1/4" FL
ACR21040404D	1/4" FL x 1/4" FL x 1/4" FFLD
ACR215040404	1/4" FL x 1/4" FL x 1/4" FFL
ACR235040402	1/4" FL x 1/8" MNPT x 1/4" FL

■ SCHRADER ELBOWS (FLARED)



ACR2110404	1/4" FL x 1/4" MBSP
ACR2120402	1/4" FL x 1/8" MNPT
ACR215040404	1/4" FL x 1/4" FL x 1/4" FFL
ACR235040402	1/4" FL x 1/8" MNPT x 1/4" FL

■ SCHRADER ACCESSORIES



ACR2041	SCHRADER CORE (R410A)
ACR2053	1/4" SCHRADER CAP W / TOOL
ACR2052	SCHRADER CAP & O-RING (R410A)

■ SCHRADERS WITH COPPER TAILS



ACR208403	1/4" MFL x 3/16" TAIL
ACR2080404	1/4" MFL x 1/4" TAIL
ACR2080504	5/16" MFL x 1/4" TAIL
PRSU04	1/4" MFL x 1/4" TAIL



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► BRASS SIGHTGLASSES



■ SIGHTGLASSES (MALE FLARE X MALE FLARE)



ACR6000404	1/4" MFL, M/I
ACR6000606	3/8" MFL, M/I
ACR6000808	1/2" MFL, M/I
ACR6001010	5/8" MFL, M/I

■ SIGHTGLASSES (MALE FLARE X FEMALE FLARE)



ACR6030404	1/4" MFL x 1/4" FFL, M/I
ACR6030606	3/8" MFL x 3/8" FFL, M/I
ACR6030808	1/2" MFL x 1/2" FFL, M/I

■ SIGHTGLASSES (MALE FLARE X FEMALE FLARE SWIVEL)



ACR6080404	1/4" MFL x 1/4" FFL, M/I
ACR6080606	3/8" MFL x 3/8" FFL, M/I
ACR6080808	1/2" MFL x 1/2" FFL, M/I
ACR6081010	5/8" MFL x 5/8" FFL, M/I

■ SIGHTGLASSES (SOLDER X FEMALE FLARE SWIVEL)



ACR6090404	1/4" SOL x 1/4" FFL, M/I
ACR6090606	3/8" SOL x 3/8" FFL, M/I
ACR6090808	1/2" SOL x 1/2" FFL, M/I
ACR6091010	5/8" SOL x 5/8" FFL, M/I

■ SIGHTGLASSES (SOLDER X SOLDER)



ACR6050404	1/4" SOL, M/I	ACR6051010	5/8" SOL, M/I
ACR6050606	3/8" SOL, M/I	ACR6051212	3/4" SOL, M/I
ACR6050808	1/2" SOL, M/I	ACR6071414	7/8" SOL, M/I
		ACR6071818	1 1/8" SOL, M/I
		ACR6072222	1 3/8" SOL, M/I
		ACR6072626	1 5/8" SOL, M/I
		ACR6073434	2 1/8" SOL, M/I

■ DANFOSS SIGHTGLASSES (FLARED)



DANSG14F	1/4" FLARE, SGN6, M/I
DANSG38F	3/8" FLARE, SGN10, M/I
DANSG12F	1/2" FLARE, SGN12, M/I
DANSG58F	5/8" FLARE, SGN16, M/I

■ DANFOSS SIGHTGLASSES (SOLDER)



DANSG14S	1/4" SOL, SGN6S, M/I
DANSG38S	3/8" SOL, SGN10S, M/I
DANSG12S	1/2" SOL, SGN12S, M/I
DANSG58S	5/8" SOL, SGN16S, M/I
DANSG34S	3/4" SOL, SGN19S, M/I
DANSG78S	7/8" SOL, SGN22S, M/I



■ DANFOSS SOLENOID VALVES



▼ More Information:

- Coils Sold Separately!

Danfoss Solenoids Valves are supplied less coils (sold separately)

DANEVR3S	1/4" SOL
DANEVR6S	3/8" SOL
DANEVR10S	1/2" SOL

DANEVR15S	5/8" SOL
DANEVR20S	7/8" SOL
DANEVR3	1/4" FL
DANEVR6	3/8" FL
DANEVR10	1/2" FL
DANEVR15	5/8" FL

■ SANHUA SOLENOID VALVES



▼ More Information:

- Coils Sold Separately!

Sanhua Solenoids Valves are supplied less coils (sold separately)

SANMDFA033H	1/4" SOL
SANMDFA036H	3/8" SOL
SANMDFA0310H	1/2" SOL
SANMDFA0315H	5/8" SOL
SANMDFA0320H	7/8" SOL
SANMDFA0325H	1 1/8" SOL
SANMDFA033L	1/4" FL
SANMDFA036L	3/8" FL
SANMDFA0310L	1/2" FL
SANMDFA0315L	5/8" FL

■ DANFOSS SOLENOID COILS



DANSOLCOIL	240VAC
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DANSOLCOIL24	24VAC
DANSOLCOIL24DC	24VDC

■ SANHUA SOLENOID COILS



SANSOLCOIL	240VAC
SANSOLCOIL24V	24V

■ CASTEL SOLENOID COILS



CASSOLCOIL	220-230VAC
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► DANFOSS T SERIES VALVES

QUICK GUIDE



■ T2 SERIES (FLARED)



DANTX2	TX2 TX VALVE, INTERNAL (R22)
DANTS2	TS2 TX VALVE, INTERNAL (R404A)
DANTN2	TN2 TX VALVE, INTERNAL (R134A)
DANTS2MOP	TS2-MOP TX VALVE, INTERNAL (R404A)
DANTEX2	TEX2 TX VALVE, EXTERNAL (R22)
DANTES2	TES2 TX VALVE, EXTERNAL (R404A)
DANTEN2	TEN2 TX VALVE, EXTERNAL (R134A)
DANTES2MOP	TES2-MOP TX VALVE, EXTERNAL (R404A)

■ T2 SERIES (SOLDER)



DANTX2S	TX2S TX VALVE, INTERNAL (R22)
DANTS2S	TS2S TX VALVE, INTERNAL (R404A)
DANTN2S	TN2S TX VALVE, INTERNAL (R134A)
DANTS2SMOP	TS2S TX VALVE, INTERNAL (R404A)
DANTEX2S	TEX2S TX VALVE, EXTERNAL (R22)
DANTES2S	TES2S TX VALVE, EXTERNAL (R404A)
DANTEN2S	TEN2S TX VALVE, EXTERNAL (R134A)
DANTES2SMOP	TES2S-MOP TX VALVE, EXTERNAL (R404A)

■ DANFOSS TGE TX VALVES (R404)



DANTGES4	TGES4, EXTERNAL 14KW
DANTGES5	TGES5, EXTERNAL 18KW
DANTGES7	TGES7.5, EXTERNAL 26KW
DANTGES9	TGES9, EXTERNAL 31KW
DANTGES11	TGES11, EXTERNAL 39KW
DANTGES13	TGES13, EXTERNAL 45KW

■ DANFOSS TG TX BI FLOW VALVES (R407C)



DANTGEZ7	7 TON, 24KW
DANTGEZ10	10 TON, 35KW
DANTGEZ12	12 TON, 42KW
DANTGEZ15	15 TON, 52KW

■ DANFOSS POWER ELEMENTS



DANTEX5PA	SUITS TEX5 (R22)
DANTES5PA	SUITS TES5 (R404A)
DANTEN5PA	SUITS TEN5 (R134A)

■ DANFOSS T5 BODIES



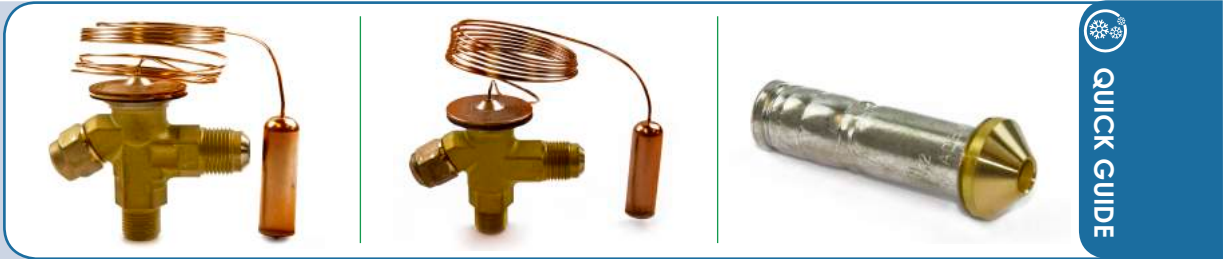
DANT5AB1	1/2" x 5/8", RIGHT ANGLE
DANT5AB2	1/2" x 7/8", RIGHT ANGLE
DANT5ST1	1/2" x 5/8", STRAIGHT THRU

■ DANFOSS ORIFICES



DANOR0X	T2 #0X
DANOR00	T2 #0
DANOR01	T2 #1
DANOR02	T2 #2

DANOR03	T2 #3
DANOR04	T2 #4
DANOR05	T2 #5
DANOR06	T2 #6
DANT5OR1	T5 #1
DANT5OR2	T5 #2
DANT5OR3	T5 #3
DANT5OR4	T5 #4



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■ SANHUA T2 VALVES (FLARED)



SANT2	SANT2 VALVE R407C INTERNAL FLARE
SANTE2	SANTE2 VALVE R407C EXTERNAL FLARE
SANTEN2	SANTEN2 VALVE R134 EXTERNAL FLARE
SANTES2	SANTES2 VALVE R404 EXTERNAL FLARE
SANTEX2	SANTEX2 VALVE R22 EXTERNAL FLARE
SANTN2	SANTN2 VALVE R134 INTERNAL FLARE
SANTS2	SANTS2 VALVE R404 INTERNAL FLARE
SANTX2	SANTX2 VALVE R22 INTERNAL FLARE

■ SANHUA T2 VALVES (SOLDER)



SANTX2S	SANTX2 VALVE R22 INTERNAL SOLDER
SANTEX2S	SANTEX2 VALVE R22 EXTERNAL SOLDER
SANTS2S	SANTS2 VALVE R404 INTERNAL SOLDER
SANTES2S	SANTES2 VALVE R404 EXTERNAL SOLDER
SANTN2S	SANTN2 VALVE R134 INTERNAL SOLDER
SANTEN2S	SANTEN2 VALVE R134 EXTERNAL SOLDER



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■ SANHUA ORIFICES



SANOR#0	#0 ORIFICE T2 SERIES
SANOR#0X	#0X ORIFICE T2 SERIES
SANOR#1	#1 ORIFICE T2 SERIES
SANOR#2	#2 ORIFICE T2 SERIES

SANOR#3	#3 ORIFICE T2 SERIES
SANOR#4	#4 ORIFICE T2 SERIES
SANOR#5	#5 ORIFICE T2 SERIES
SANOR#6	#6 ORIFICE T2 SERIES





▶ REVERSING VALVES & PRESSURE REGS.



■ SANHUA REVERSING VALVES



▼ **Did You Know?**
SANHUA manufactures valves for
OEM's like **RANCO**?

SANSHF4H23UP	5/16" x 3/8", 1.25 TON
SANSHF7H34UP	3/8" x 1/2", 2 TON
SANSHF9H35UP	3/8" x 5/8", 2 TON
SANSHF11H45D1	1/2" x 5/8", 3 TON
SANSHF20A46	1/2" x 3/4", 6 TON
SANSHF20A47	1/2" x 7/8", 6 TON
SANSHF35A47	1/2" x 7/8", 10 TON
SANSHF35A67	3/4" x 7/8", 10 TON
SANSHF35A79	7/8" x 1 1/8", 10 TON
SANSHF410L3	240V SOLENOID COIL, WITH LEAD
SANSHF410L5	24V SOLENOID COIL, WITH LEAD
SANSHF410FA4	24V SOLENOID COIL, WITH SPDE
SANSHF410FA5	240V SOLENOID COIL, WITH SPDE

■ RANCO REVERSING VALVES



RANV2408064-2IL	3/8"x 1/2", 2 TON
RANV3410084-7IL	1/2"x 5/8", 3 TON
RANV64120841IL	1/2"x 3/4", 6 TON
RANV64140841IL	1/2"x 7/8", 6 TON
RANV104140842IL	1/2"x 7/8", 10 TON
RANV104141242IL	3/4"x 7/8", 10 TON
RANV104181442IL	7/8"x 1 1/8", 10 TON
RANV124220T42IL	1 1/8"x 1 3/8", 12 TON
RAN9220002	GREEN SOLENOID COIL W/- SPADES, 240VAC (LDK-41)
RAN9230002	GREEN SOLENOID COIL W/- WIRES, 240VAC (LDL-41)
RAN9220000	RED SOLENOID COIL W/- SPADES, 24VAC (LDK-11)
RANN20C01G	1 1/2" x 1 1/4" SOLENOID COIL, 30 TON, WITH COIL
RANN30C10G	1 3/8" x 1 1/8" SOLENOID COIL, 20 TON, WITH COIL

■ EVAPORATOR PRESSURE REGULATORS



▼ **More Information:**
Also available in double plated
steel construction

DANKVP12S	1/2"SOLDER, KVP12S
DANKVP15S	5/8"SOLDER, KVP15S
DANKVP22S	7/8"SOLDER, KVP22S
DANKVP28S	1 1/8"SOLDER, KVP28S
DANKVP35S	1 3/8"SOLDER, KVP35S
DANKVP12	1/2"FLARE, KVP12
DANKVP15	5/8"FLARE, KVP15

■ CRANKCASE PRESSURE REGULATORS (SOLDER)



DANKVL15S	5/8"SOL, KVL15S
DANKVL22S	7/8"SOL, KVL22S
DANKVL28S	1 1/8"SOL, KVL28S
DANKVL35S	1 3/8"SOL, KVL35S



■ MUELLER LINE VALVES (WITH DIAPHRAM)



▼ More Information:

- Heavy Duty!

These Line Valves are suitable for temprites

ACRA14848	1/4" SOL
ACRA14850	3/8" SOL
ACRA14851	1/2" SOL
ACRA14852	5/8" SOL
ACRA14833	1/4" FL
ACRA14835	3/8" FL
ACRA14836	1/2" FL
ACRA14837	5/8" FL

■ PACKLESS LINE VALVES (FLARED)



▼ More Information:

- Medium Duty

PRCT-D-04	1/4"
PRCT-D-06	3/8"
PRCT-D-08	1/2"
PRCT-D-10	5/8"

■ PACKED CAP VALVES



ACR4200404	1/4" SOL
ACR4200606	3/8" SOL
ACR4200808	1/2" SOL
ACR4201010	5/8" SOL
ACR4300404	1/4" FL
ACR4300606	3/8" FL
ACR4300808	1/2" FL
ACR4270404L	1/4"SOL x 1/4"FL
ACR4270606L	3/8"SOL x 3/8"FL

■ PACKED CAP VALVES WITH ACCESS



ACR4350404	1/4" SOL, (BRASS)
ACR4350606	3/8" SOL, (BRASS)
ACR4351010	5/8" SOL, (BRASS)
ACR4351414	7/8" SOL, (BRASS)
ACR4351818	1 1/8" SOL, (BRASS)
ACR4350404ST	1/4" SOL, (STEEL)
ACR4350606ST	3/8" SOL, (STEEL)
ACR4350808ST	1/2" SOL, (STEEL)
ACR4351010ST	5/8" SOL, (STEEL)
ACR4351414ST	7/8" SOL, (STEEL)
ACR4351818ST	1 1/8" SOL, (STEEL)

■ PACKED CAP ANGLE VALVES



▼ More Information:

Also available in double plated steel construction

ACR4210404	1/4"FL x 1/4"BSP
ACR4210406	1/4"FL x 3/8"BSP
ACR4210604	3/8"FL x 1/4"BSP
ACR4210606	3/8"FL x 3/8"BSP
ACR4210808	1/2"FL x 1/2"BSP
ACR4220404	1/4"FL x 1/4"NPT
ACR4220606	3/8"FL x 3/8"NPT

▶ **TRANSDUCER VALVES & BALL VALVES**■ **SHUT OFF VALVES**

ACR4500404

1/4" OIL REGULATOR VALVE

■ **TRANSDUCER VALVES**

ACR4600204

1/8"FNPT x 1/8"NPT X1/4" ACCESS

■ **MUELLER BALL VALVES 4800KPA (NO ACCESS)**▼ **More Information:**

- Full Port Construction
- Quick Turn Access
- Dual Shaft Seal
- Approved by many Supermarkets

ACRAP17859	1/4" (STANDARD)
ACRAP17860	3/8" (STANDARD)
ACRAP17861	1/2" (STANDARD)
ACRAP17862	5/8" (STANDARD)
ACRAP17863	3/4" (STANDARD)
ACRAP17864	7/8" (STANDARD)
ACRAP17865	1 1/8" (STANDARD)
ACRA17866	1 3/8" (STANDARD)
ACRA17867	1 5/8" (STANDARD)
ACRA17868	2 1/8" (STANDARD)
ACRA17869	2 5/8" (F/F)
ACRAW17868	2 1/8" (ACTUATED)
ACRAW17871	2 5/8" (ACTUATED)
ACRAW17869	2 5/8" (ACTUATED)

■ **MUELLER BALL VALVES 4800KPA (WITH ACCESS)**▼ **More Information:**

- Full Port Construction
- Quick Turn Access
- Dual Shaft Seal
- Approved by many Supermarkets

ACRAQ17859	1/4"
ACRAQ17860	3/8"
ACRAQ17861	1/2"
ACRAQ17862	5/8"
ACRAQ17863	3/4"
ACRAQ17864	7/8"
ACRAQ17865	1 1/8"
ACRAC17866	1 3/8"
ACRAC17867	1 5/8"
ACRAC17868	2 1/8"
ACRAC17871	2 5/8"
ACRAC17872	3 1/8"
ACRAC17869	2 5/8"
ACRAC17870	3 1/8"

■ **R-SEALS & STEM HEATERS**

ACRA18351	R-SEAL, SUITS 1/4"-5/8"
ACRA18352	R-SEAL, SUITS 3/4"-7/8"

ACRA18353	R-SEAL, SUITS 1 1/8" - 1 3/8"
ACRA18354	R-SEAL, SUITS 1 5/8" - 2 1/8"
ACRA18355	R-SEAL, SUITS 2 5/8" - 3 1/8"
ACRP36536	STEM HEATER, SUITS 2 1/8" - 2 5/8"
ACRP36533	STEM HEATER, SUITS 1/4" - 1 5/8"
ACRP36533	STEM HEATER, SUITS 1/4" - 1 5/8"





QUICK GUIDE

■ MUELLER CHECK VALVES (MAGNETIC)



ACRA17934	1/4"ID
ACRA17935	3/8"ID
ACRA17936	1/2"ID
ACRA17937	5/8"ID
ACRA17938	3/4"ID

ACRA17939	7/8"ID
ACRA17940	1 1/8"ID
ACRA17941	1 3/8"ID
ACRA17942	1 5/8"ID
ACRA17943	2 1/8"ID

■ MUELLER CHECK VALVES (4 BOLT)



ACRB34235	7/8"
ACRB34236	1 1/8"
ACRB34237	1 3/8"
ACRB34238	1 5/8"
ACRB34239	2 1/8"
ACRB34240	2 5/8"

■ MUELLER CHECK VALVES (WITH TAILS)



ACRA15632	1/4"ID
ACRA15633	3/8"ID
ACRA15634	1/2"ID
ACRA15635	5/8"ID
ACRA17958	7/8"ID, SCREW BONNET

■ MUELLER PRESSURE RELIEF VALVES



ACRAD15503	3/8"MNPT x 1/2"MFL, 1620kPa
ACRAE15503	3/8"MNPT x 1/2"MFL, 2070kPa
ACRAG15503	3/8"MNPT x 1/2"MFL, 2410kPa
ACRAH15503	3/8"MNPT x 1/2"MFL, 2760kPa
ACRAI15503	3/8"MNPT x 1/2"MFL, 2930kPa
ACRAJ15503	3/8"MNPT x 1/2"MFL, 3100kPa
ACRAD15504	1/2"MNPT x 5/8"MFL, 1620kPa
ACRAE15504	1/2"MNPT x 5/8"MFL, 2070kPa
ACRAG15504	1/2"MNPT x 5/8"MFL, 2410kPa
ACRAH15504	1/2"MNPT x 5/8"MFL, 2760kPa
ACRAI15504	1/2"MNPT x 5/8"MFL, 2930kPa
ACRAJ15504	1/2"MNPT x 5/8"MFL, 3100kPa

ACRAQ18358	3/4"MNPT x 3/4"FNPT, 1310kPa
ACRAD15506	3/4"MNPT x 3/4"FNPT, 1620kPa
ACRAE15506	3/4"MNPT x 3/4"FNPT, 2070kPa
ACRAG15506	3/4"MNPT x 3/4"FNPT, 2410kPa
ACRAH15506	3/4"MNPT x 3/4"FNPT, 2760kPa
ACRAI15506	3/4"MNPT x 3/4"FNPT, 2930kPa
ACRAJ15506	3/4"MNPT x 3/4"FNPT, 3100kPa
ACRAQ18387	1"NPTF x 1"NPTI, 1310kPa
ACRAD17840	1"NPTF x 1"NPTI, 1620kPa
ACRAE17840	1"NPTF x 1"NPTI, 2070kPa
ACRAG17840	1"NPTF x 1"NPTI, 2410kPa
ACRAH17840	1"NPTF x 1"NPTI, 2760kPa
ACRAI17840	1"NPTF x 1"NPTI, 2930kPa
ACRAJ17840	1"NPTF x 1"NPTI, 3100kPa



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**▶ MANIFOLD & ROTALOCK VALVES****■ MUELLER RELIEFMASTER MANIFOLDS**

Did You Know?
- Kits are available!
Reliefmaster 'Kits' also available in
300 psi, 400 psi & 425 psi

ACRA17921	1/2"
ACRA17922	3/4"
ACRA17923	1"

■ MUELLER RUPTURE DISCS & ACCESSORIES

ACRAH17971	1/2" @ 2760kPa, RUPTURE DISC
ACRAI17971	1/2" @ 2930kPa, RUPTURE DISC
ACRBDSWITCH	4PSI, SPST, OPEN-ON-FALL SWITCH
ACRP36214	GAUGE / RUPTURE DISC
ACRSH1012450	RUPTURE DISC KIT (450 PSI)

■ ROTALOCK VALVES

More Information:
- Dual Access Ports
These rotalock valves from are
fitted with dual access ports

ACR401061220	3/8" ID x 3/4" NUT
ACR401061620	3/8" ID x 1" NUT
ACR401081220	1/2" ID x 3/4" NUT
ACR401081620	1/2" ID x 1" NUT
ACR401101620	5/8" ID x 1" NUT

ACR401102030	5/8" ID x 1 1/4" NUT
ACR401122030	3/4" ID x 1 1/4" NUT
ACR401142030	7/8" ID x 1 1/4" NUT
ACR401142830	7/8" ID x 1 3/4" NUT
ACR401182030	1 1/8" ID x 1 1/4" NUT
ACR401182835	1 1/8" ID x 1 3/4" NUT
ACR401222835	1 3/8" ID x 1 3/4" NUT
ACR401262835	1 5/8" ID x 1 3/4" NUT
ACR401263650	1 5/8" ID x 2 1/4" NUT

■ ROTALOCK STRAIGHT CONNECTORS

ACR4020416	1/4" ID x 1" NUT
ACR4020612	3/8" ID x 3/4"
ACR4020816	1/2" ID x 1" NUT
ACR4021016	5/8" ID x 1" NUT
ACR4021420	7/8" ID x 1 1/4" NUT
ACR4021820	1 1/8" ID x 1 1/4" NUT
ACR4021828	1 1/8" ID x 1 3/4" NUT

■ ROTALOCK ELBOW CONNECTORS

ACR4030612	3/8" ID x 3/4" NUT
ACR4030816	1/2" ID x 1" NUT
ACR4031016	5/8" ID x 1" NUT
ACR4031216	3/4" ID x 1" NUT
ACR4031416	7/8" ID x 1" NUT
ACR4031420	7/8" ID x 1 1/4" NUT
ACR4031820	1 1/8" ID x 1 1/4" NUT
ACR4031828	1 1/8" ID x 1 3/4" NUT
ACR4032228	1 3/8" ID x 1 3/4" NUT

■ ROTALOCK ELBOW CONNECTORS (WITH ACCESS)

ACR4060616	3/8" ID x 1" NUT
ACR4061220	3/4" ID x 1 1/4" NUT



■ RECEIVER ROTALOCK VALVES



More Information:

- Single Access Port

These rotalock valves from are fitted with a single access port

- Also Available in Brass

ACR401061220S	3/8" ID x 3/4" NUT
ACR401081620S	1/2" ID x 1" NUT
ACR401101620S	5/8" ID x 1" NUT
ACR401102030S	5/8" ID x 1 1/4" NUT
ACR401142030S	7/8" ID x 1 1/4" NUT

ACR401182030S	1 1/8" ID x 1 1/4" NUT
ACR401182835S	1 1/8" ID x 1 3/4" NUT
ACR401222835S	1 3/8" ID x 1 3/4" NUT
ACR401262835S	1 5/8" ID x 1 3/4" NUT

ACR404041220S	1/4" MF x 3/4" NUT, FLARED
ACR404061220S	3/8" MF x 3/4" NUT, FLARED
ACR404081620S	1/2" MF x 1" NUT, FLARED

■ MUELLER CAST IRON VALVES (FLANGED)



ACR16321	1 5/8"
ACR16324	2 1/8"
ACR15587	2 5/8"
ACR15588	3 1/8"

■ ROTALOCK GASKETS



ACR40012	3/4" R/L
ACR40016	1" R/L
ACR40020	1 1/4" R/L
ACR40028	1 3/4" R/L
ACR40036	2 1/4" R/L

■ MUELLER BALL VALVE ACTUATORS



ACRA18394	SUITS 1 1/8" TO 1 3/8"
ACRA18395	SUITS 2 5/8"
ACRA18396	SUITS 1 5/8"

■ ROTALOCK SIGHT GLASSES & ASSEMBLIES



ACR60820	STANDARD
ACR60820B	W/- BALL
ACR60821K	1 1/4" SOCKET
ACR61114	7/8" SPIGGOT
ACR61020	1 1/4" MBSP

■ LEVER BALL VALVES

BUW4120*



15MM - 50MM (FxF)

■ LEVER BALL VALVES

BUW4750*



8MM - 100MM (FxF)

■ LEVER BALL VALVES

BUG4770*



8MM - 50MM (FxF)

■ MINI BALL VALVES

I007*



6MM - 20MM (FxF OR MxF)

► FILTER DRIERS

QUICK GUIDE



■ LIQUID LINE FILTER DRIERS (FLARED)



ACR300032	1/4"FL (032)
ACR300033	3/8"FL (033)
ACR300052	1/4"FL (052)
ACR300053	3/8"FL (053)
ACR300082	1/4"FL (082)
ACR300083	3/8"FL (083)

ACR300084	1/2"FL (084)
ACR300162	1/4"FL (162)
ACR300163	3/8"FL (163)
ACR300164	1/2"FL (164)
ACR300165	5/8"FL (165)
ACR300303	3/8"FL (303)
ACR300304	1/2"FL (304)
ACR300305	5/8"FL (305)
ACR300306	3/4"FL (306)
ACR300415	5/8"FL (415)

■ LIQUID LINE FILTER DRIERS (SOLDER)



ACR301032S	1/4"SOL (032S)
ACR301052S	1/4"SOL (052S)
ACR301082S	1/4"SOL (082S)
ACR301083S	3/8"SOL (083S)
ACR301163S	3/8"SOL (163S)

ACR301164S	1/2"SOL (164S)
ACR301165S	5/8"SOL (165S)
ACR301304S	1/2"SOL (304S)
ACR301305S	5/8"SOL (305S)
ACR301306S	3/4"SOL (306S)
ACR301307S	7/8"SOL (307S)
ACR301417S	7/8"SOL (417S)
ACR301419S	1 1/8"SOL (419S)

■ BI-FLOW HEATPUMP DRIERS



ACR304082	1/4" FLARED (082)
ACR304083	3/8" FLARED (083)
ACR304084	1/2" FLARED (084)
ACR304163	3/8" FLARED (163)
ACR304164	1/2" FLARED (164)
ACR304165	5/8" FLARED (165)

ACR304082S	1/4" SOLDER (082S)
ACR304083S	3/8" SOLDER (083S)
ACR304084S	1/2" SOLDER (084S)
ACR304163S	3/8" SOLDER (163S)
ACR304164S	1/2" SOLDER (164S)
ACR304165S	5/8" SOLDER (165S)
ACR304167S	7/8" SOLDER (167S)

■ 'PANCAKE' DRIERS (SOLDER)



ACR303P405S	5/8"SOL (165S)
ACR303P406S	3/4"SOL (306S)
ACR303P407S	7/8"SOL (307S)
ACR303P409S	1 1/8"SOL (309S)

■ DOMESTIC FILTER DRIER



VR110105	1/4" CAPILLARY DRIER (15 GRAM)
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■ BURNOUT DRIERS W/DUAL ACCESS (FLARED)



ACR303083	3/8" (083)
ACR303163	3/8" (163)
ACR303164	1/2"FL (164)
ACR303165	5/8"FL (165)
ACR303305	5/8"FL (305)
ACR303306	3/4"FL (306)

■ BURNOUT DRIERS W/DUAL ACCESS (SOLDER)



ACR303083S	3/8" (083S)
ACR303163S	3/8" (163S)
ACR303164S	1/2" (164S)
ACR303165S	5/8" (165S)
ACR303306S	3/4" (306S)
ACR303307S	7/8" (307S)

■ DEMOUNTABLE DRIER SHELLS (SOLDER)



ACR3021401	7/8" (1 CORE)
ACR3021801	1 1/8" (1 CORE)
ACR3021802	1 1/8" (2 CORE)
ACR3022201	1 3/8" (1 CORE)
ACR3022202	1 3/8" (2 CORE)
ACR3022203	1 3/8" (3 CORE)
ACR3022601	1 5/8" (1 CORE)

ACR3022602	1 5/8" (2 CORE)
ACR3022603	1 5/8" (3 CORE)
ACR3022604	1 5/8" (4 CORE)
ACR3023401	2 1/8" (1 CORE)
ACR3023402	2 1/8" (2 CORE)
ACR3023403	2 1/8" (3 CORE)
ACR3023404	2 1/8" (4 CORE)
ACR3024202	2 5/8" (2 CORE)
ACR3024203	2 5/8" (3 CORE)
ACR3024204	2 5/8" (4 CORE)
ACR3024802	3" (2 CORE)

■ DEMOUNTABLE DRIER CORES



ACR3051	STANDARD CLEAN UP
ACR3052	H/DUTY ULTRA MOISTURE
ACR3053	BURN-OUT CLEAN UP
ACR3054	SUCTION FILTER ELEMENT, L/P DROP
ACR3057	HIGH CAPACITY CORE, 100 SERIES
ACR3058	FILTER ELEMENT, 100 SERIES

■ DEMOUNTABLE DRIER SPARES



ACR3055	GASKET SET FOR DEMOUNTABLES
ACR3056	DRIER MOUNT BRACKET
ACR3059	1/4"NPT, TOP PLATE, ALUMINIUM
ACR302INTER	INTERNAL CARRIER, 1 CORE
ACR302INTR2	INTERNAL CARRIER, 2 CORE
ACR302INTR3	INTERNAL CARRIER, 3 CORE



► OIL SEPERATORS & FILTERS



■ OIL SEPARATORS (INTERNAL FLOAT)



ACR30706	3/8" 100DIA x 247LG
ACR30708	1/2" 100DIA x 245LG
ACR30710	5/8" 100DIA x 300LG
ACR30714	7/8" 100DIA x 344LG
ACR30718	1 1/8" 100DIA x 370LG
ACR30722	1 3/8" 152DIA x 352LG
ACR30726	1 5/8" 152DIA x 429LG

■ OIL SEPARATORS (EXTERNAL FLOAT)



ACR30714E	7/8" 102DIA x 344LG
ACR30718E	1 1/8" 102DIA x 370LG
ACR30718E2	1 1/8", 102DIA x 370LG, w/- 2 S/GLASSES
ACR30722E	1 3/8" 152DIA x 352LG
ACR30722E2	1 3/8", 152DIA x 352LG, w/- 2 S/GLASSES
ACR30726E	1 5/8" 152DIA x 429LG

■ OIL SEPARATORS (CENTRIFUGAL)



ACROS613RES	1 3/8", 150DIA x 850LG, w/- 2 GLASSES
ACROS615RES	1 5/8", 150DIA x 850LG, w/- 2 GLASSES
ACROS621RES	2 1/8", 200DIA x 648LG, w/- 2 GLASSES
ACROS1025RES	2 5/8", 250DIA x 762LG, w/- 2 GLASSES

■ COALESCENT OIL SEPARATORS



ACR3070S615FCR	1 5/8"
ACR3070S621FCR	2 1/8"
ACR307W1902CR	2 1/8"
ACR307W1903CRA	2 5/8"

■ OIL FILTERS



ACR30890016K	COALESCENT OIL SEPARATOR FILTER
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ACR30890020K	COALESCENT OIL SEPARATOR FILTER
ACR308083	2 1/2" DIA X 3/8FL OIL STRAINER
ACR308413	ACCESSIBLE OIL FILTER
ACR3081	OIL FILTER ELEMENT

■ LIQUID RECEIVERS (VERTICAL)



ACR30914	1.4L, 100DIA x 200LG (VERTICAL)
ACR30924	2.4L, 120DIA x 240LG (VERTICAL)
ACR30944	5.1L, 140DIA x 330LG (VERTICAL)
ACR30982	8.2L, 180DIA x 390LG (VERTICAL)

ACR309109	10.9L, 180DIA x 500LG (VERTICAL)
ACR309145	14.5L, 219DIA x 425LG (VERTICAL)
ACR309245	24.5L, 273DIA x 546LG (VERTICAL)
ACR30935V	35L, 219DIA x 1000LG (VERTICAL)
ACR30960V	60L, 273DIA x 1200LG (VERTICAL)
ACR30935H	35L, 11/4R/L, 219DIA x 1000LG, 2GLASS (HORIZONTAL)
ACR30945H	45L, 13/4R/L, 273DIA x 900LG, 2GLASS (HORIZONTAL)
ACR30960H	60L, 13/4R/L, 273DIA x 1200LG, 2GLASS (HORIZONTAL)





QUICK GUIDE

■ LIQUID LEVEL SWITCHES



ACRLS240	1/2NPT N/C
ACRLS240A	1/2NPT N/O

■ SUCTION ACCUMULATORS (LIQUID LINE)



ACR3061408HE	7/8", 128 x 370, w/- 1/2"
ACR306185508HE	1 1/8", 159 x 340, w/- 1/2"

■ SUCTION ACCUMULATORS



ACR3061016	1.6L, 5/8", 102DIA x 218LG
ACR3061019	1.9L, 5/8", 102DIA x 270LG
ACR3061216	1.6L, 3/4", 102DIA x 244LG
ACR3061226	2.6L, 3/4", 128DIA x 255LG
ACR3061434	3.4L, 7/8", 128DIA x 325LG
ACR3061440	4.0L, 7/8", 128DIA x 370LG

ACR3061855	5.5L, 1 1/8", 159DIA x 390LG
ACR3061859	5.9L, 1 1/8", 140DIA x 430LG
ACR3062263	6.3L, 1 3/8", 160DIA x 350LG
ACR3062271	7.2L, 1 3/8", 159DIA x 460LG
ACR3062610	10.5L, 1 5/8", 160DIA x 575LG
ACR3063415	15L, 2 1/8", 219DIA x 368LG
ACR3064234	35L, 2 5/8", 273DIA x 736LG
ACR3065048	48L, 3 1/8", 325DIA x 767LG

■ DISCHARGE MUFFLERS



ACR31114	7/8"
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ACR31118	1 1/8"
ACR31122	1 3/8"
ACR31126	1 5/8"
ACR31132	2 1/8"

■ VIBRATION ELIMINATORS (PACKLESS)



More Information:
- R410A Approved

VPVAF3	3/8"
VPVAF4	1/2"
VPVAF5	5/8"
VPVAF6	3/4"
VPVAF7	3/4"
VPVAF8	7/8"
VPVAF9	1 1/8"
VPVAF10	1 3/8"
VPVAF11	1 5/8"
VPVAF82	2 1/8"
VPVAF83	2 5/8"

■ VIBRATION ELIMINATORS STAINLESS STEEL (PACKLESS)



More Information:
- R410A Approved
- Stainless Steel

VPVAB3	3/8"
VPVAB4	1/2"
VPVAB5	5/8"
VPVAB6	3/4"
VPVAB8	7/8"
VPVAB9	1 1/8"
VPVAB10	1 3/8"
VPVAB11	1 5/8"
VPVAB82	2 1/8"
VPVAB83	2 5/8"



SYSTEM CONTROL ENGINEERING

HVAC&R CATALOGUE



► BRISTOL COMPRESSORS

QUICK GUIDE



■ BRISTOL H23 COMPRESSORS (50Hz)

SCE PART NUMBER	BRISTOL MODEL	HP	KW (7C/R22)	VOLTAGE	WEIGHT (KG)
BRIH23A383DBEA	H23A383DBEA	3HP	9.1	415V 3PH	35.7
BRIH23A423ABKA	H23A423ABKA	3.3HP	10.3	240V 1PH	37.5
BRIH23A423DBEA	H23A423DBEA	3.3HP	10.3	415V 3PH	35.7
BRIH23A463ABKA	H23A463ABKA	3.8HP	11.5	240V 1PH	40.7
BRIH23A463DBEA	H23A463DBEA	3.5HP	11.4	415V 3PH	35.7
BRIH23A543DBEA	H23A543DBEA	4HP	13.4	415V 3PH	38.2
BRIH23A563DBEA	H23A563DBEA	4.5HP	13.9	415V 3PH	39.8
BRIH23A623DBEA	H23A623DBEA	5HP	15.2	415V 3PH	39.8
BRIH23B17QABHA	H23B17QABHA	1.4HP	4	240V 1PH	29.1
BRIH23B20QABKA	H23B20QABKA	1.6HP	4.9	240V 1PH	31.1

■ BRISTOL H25 COMPRESSORS (50Hz)

SCE PART NUMBER	BRISTOL MODEL	HP	KW (7C/R22)	VOLTAGE	WEIGHT (KG)
BRIH25G094DBVE	H25G094DBVE	7.5HP	22.1	415V 3PH	70.3
BRIH25G104DBVE	H25G104DBVE	8.3HP	24.9	415V 3PH	78.5
BRIH25G124DBVE	H25G124DBVE	10HP	28.8	415V 3PH	79.8
BRIH25G144DBEE	H25G144DBEE	12HP	34.2	415V 3PH	79.8

■ BRISTOL H29 COMPRESSORS (50Hz)

SCE PART NUMBER	BRISTOL MODEL	HP	KW (7C/R22)	VOLTAGE	WEIGHT (KG)
BRIH29A683DBVA	H29A683DBVA	5.9HP	17.1	415V 3PH	49.7
BRIH29A723DBVA	H29A723DBVA	6HP	17.8	415V 3PH	49.8
BRIH29B24UABHA	H29B24UABHA	2HP	6	240V 1PH	31.5
BRIH29B28UABHA	H29B28UABHA	2.3HP	6.9	240V 1PH	31.4
BRIH29B30UABHA	H29B30UABHA	2.5HP	7.4	240V 1PH	31.6
BRIH29B32UABHA	H29B32UABHA	2.8HP	8.1	240V 1PH	31.5
BRIH29B35UABHA	H29B35UABHA	2.8HP	8.8	240V 1PH	33.4

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SYSTEM CONTROL ENGINEERING





■ BRISTOL H2B COMPRESSORS (50Hz)

SCE PART NUMBER	BRISTOL MODEL	HP	KW (7C/R22)	VOLTAGE	WEIGHT (KG)
BRIH2BG094DBEE	H2BG094DBEE	7.5HP	21.2	415V 3PH	62.6
BRIH2BG104DBEE	H2BG104DBEE	9HP	24.7	415V 3PH	69.4
BRIH2BG124DBEE	H2BG124DBEE	10HP	28.5	415V 3PH	70.3

■ BRISTOL H2N COMPRESSORS (50Hz)

SCE PART NUMBER	BRISTOL MODEL	HP	KW (7C/R22)	VOLTAGE	WEIGHT (KG)
BRIH2NG184DPEF	H2NG184DPEF	15HP	43.2	415V 3PH	114.8
BRIH2NG184GPE	H2NG184GPE	15HP	43.2	415V 3PH	114.5
BRIH2NG204DREF	H2NG204DREF	17HP	50.9	415V 3PH	117.9
BRIH2NG204GPEF	H2NG204GPEF	17HP	50.9	415V 3PH	117.7
BRIH2NG244DREF	H2NG244DREF	20HP	58.6	415V 3PH	122
BRIH2NG244GPEF	H2NG244GPEF	20HP	58.6	415V 3PH	123.6
BRIH2NG294DPEF	H2NG294DPEF	25HP	69.8	415V 3PH	123.6
BRIH2NG244GPEF	H2NG244GPEFM (MULTISTACK)	20HP	58.6	415V 3PH	127

■ BRISTOL AIR CONDITIONING SCROLL COMPRESSORS (50Hz)

SCE PART NUMBER	BRISTOL MODEL	HP	KW (7C/R22)	VOLTAGE	WEIGHT (KG)
BRIH20C343ABHA	H20C343ABHA	2.8HP	8.2	240V 1PH	29
BRIH23C383ABKA	H23C383ABKA	3HP	9.2	240V 1PH	33.1
BRIH20C403DBEA	H20C403DBEA	3.3HP	9.7	415V 3PH	30.2
BRIH20R453DBEA	H20R453DBEA	3.7HP	11	415V 3PH	41.7
BRIH23C473DBEA	H23C473DBEA	3.9HP	11.5	415V 3PH	34.5
BRIH20R483DBEA	H20R483DBEA	4HP	12	415V 3PH	37
BRIH20R943DBEA	H20R943DBEA	7.8HP	23	415V 3PH	46.3
BRIH20R104DBEA	H20R104DBEA	8.2HP	26	415V 3PH	46.3
BRIH20R124DBEA	H20R124DBEA	10HP	31	415V 3PH	46.3

■ BRISTOL HEATERS



BRIHEATER1	BRISTOL HEATER (H2NG094-144)
BRIHEATER2	BRISTOL HEATER (H2NG184-294)

■ BRISTOL MODULES



BRIMODULE1	BRISTOL MODULE, 230V (H2NG144-294)
BRIMODULE2	BRISTOL MODULE, 230V (H2NG094-124)
BRIMODULE3	BRISTOL MODULE, 24V, MULTISTACK



► COPELAND COMPRESSORS

QUICK GUIDE



■ COPELAND ZR STUB TUBE COMPRESSORS (240V, 1PH)

SCE PART NUMBER	COPELAND MODEL	DISPLACEMENT (M3/HR)	KW (7.2C/R22)	OIL REPLACEMENT	WEIGHT (KG)	FULL LOAD (AMPS)	CONNECTION (SUCTION)	CONNECTION (DISCHARGE)
COPZR22K3EPFJ522	ZR22K3E-PFJ-522	5.34	5350	POE 1.01	25.9	11	3/4"	1/2"
COPZR24K3EPFJ522	ZR24K3E-PFJ-522	5.92	5900	POE 1.01	25	11.4	3/4"	1/2"
COPZR28K3EPFJ522	ZR28K3E-PFJ-522	6.83	6900	POE 1.01	27.2	15	3/4"	1/2"
COPZR34K3EPFJ522	ZR34K3E-PFJ-522	8.03	8250	POE 1.12	28.6	17	3/4"	1/2"
COPZR36K3EPFJ522	ZR36K3E-PFJ-522	8.61	8850	POE 1.12	29.5	18	3/4"	1/2"
COPZR40K3EPFJ522	ZR40K3E-PFJ-522	9.43	9760	POE 1.12	29.9	23	3/4"	1/2"
COPZR42K3EPFJ522	ZR42K3E-PFJ-522	9.95	10250	POE 1.12	30.4	23	3/4"	1/2"
COPZR47K3EPFJ522	ZR47K3E-PFJ-522	11.02	11500	POE 1.12	32.2	23	7/8"	1/2"
COPZR48K3EPFJ522	ZR48K3E-PFJ-522	11.4	11400	POE 1.12	31.1	23	7/8"	1/2"
COPZR61KCEPFJ522	ZR61KCE-PFJ-522	14.37	14900	POE 1.54	41.3	30	7/8"	1/2"
COPZR68KCPFJ522	ZR68KCE-PFJ-522	16.18	16700	MIN 1.72	42	30	7/8"	1/2"

■ COPELAND ZR STUB TUBE COMPRESSORS (415V, 3PH)

SCE PART NUMBER	COPELAND MODEL	DISPLACEMENT (M3/HR)	KW (7.2C/R22)	OIL REPLACEMENT	WEIGHT (KG)	FULL LOAD (AMPS)	CONNECTION (SUCTION)	CONNECTION (DISCHARGE)
COPZR28K3ETFD522	ZR28K3E-TFD-522	6.83	6900	POE 1.01	25.4	5	3/4"	1/2"
COPZR40K3ETFD522	ZR40K3E-TFD-522	9.43	10300	POE 1.12	27.7	7	3/4"	1/2"
COPZR42KCTFD522	ZR42KCE-TFD-522	9.95	10250	MIN 1.24	30.4	9	3/4"	1/2"
COPZR42KCEFTD522	ZR42KCE-TFD-522	9.95	10250	POE 1.24	30.4	9	3/4"	1/2"
COPZR47KCTFD522	ZR47KCE-TFD-522	11.16	11500	MIN 1.24	29.9	10	7/8"	1/2"
COPZR47KCEFTD522	ZR47KCE-TFD-522	11.16	11500	POE 1.24	29.9	10	7/8"	1/2"
COPZR48KCEFTD522	ZR48KCE-TFD-522	11.4	11850	POE 1.24	28.1	10	7/8"	1/2"
COPZR54KCEFTD522	ZR54KCE-TFD-522	12.74	13200	POE 1.83	35.8	10	7/8"	1/2"
COPZR57KCTFD522	ZR57KCE-TFD-522	13.43	13900	MIN 1.83	36.3	11	7/8"	1/2"
COPZR57KCEFTD522	ZR57KCE-TFD-522	13.43	13900	POE 1.83	36.3	11	7/8"	1/2"
COPZR61KCTFD522	ZR61KCE-TFD-522	14.37	14900	MIN 1.83	37.2	11	7/8"	1/2"
COPZR61KCEFTD522	ZR61KCE-TFD-522	14.37	14900	POE 1.83	37.2	11	7/8"	1/2"
COPZR68KCTFD522	ZR68KCE-TFD-522	16.18	16800	MIN 1.66	38.6	13	7/8"	1/2"
COPZR68KCEFTD522	ZR68KCE-TFD-522	16.18	16800	POE 1.66	38.6	13	7/8"	1/2"
COPZR72KCEFTD522	ZR72KCE-TFD-522	17.06	17700	POE 1.66	38.6	13	7/8"	1/2"
COPZR81KCEFTD522	ZR81KCE-TFD-522	18.75	19900	POE 1.66	39.9	15	7/8"	1/2"
COPZR94KCEFTD522	ZR94KCE-TFD-522	22.1	23300	POE 2.4	57.2	16	1 1/8"	7/8"
COPZR108KCTFD522	ZR108KCE-TFD-522	24.9	26400	MIN 3.13	60.3	17	1 3/8"	7/8"
COPZR108KCEFTD522	ZR108KCE-TFD-522	24.9	26400	POE 3.13	60.3	17	1 3/8"	7/8"
COPZR125KCTFD522	ZR125KCE-TFD-522	29.1	31100	MIN 3.13	61.2	19	1 3/8"	7/8"
COPZR125KCEFTD522	ZR125KCE-TFD-522	29.1	31100	POE 3.13	61.2	19	1 3/8"	7/8"
COPZR144KCTFD522	ZR144KCE-TFD-522	33.2	35200	MIN 3.13	61.2	22	1 3/8"	7/8"
COPZR144KCEFTD522	ZR144KCE-TFD-522	33.2	35200	POE 3.13	61.2	22	1 3/8"	7/8"
COPZR160KCTFD522	ZR160KCE-TFD-522	36.4	37700	MIN 3.38	64.9	28	1 3/8"	7/8"
COPZR160KCEFTD522	ZR160KCE-TFD-522	36.4	37700	POE 3.38	64.9	28	1 3/8"	7/8"
COPZR190KCTFD522	ZR190KCE-TFD-522	43.3	45900	MIN 3.38	66.2	34	1 3/8"	7/8"
COPZR190KCEFTD522	ZR190KCE-TFD-522	43.3	45900	POE 3.38	66.2	34	1 3/8"	7/8"



QUICK GUIDE

■ COPELAND ZB COMPRESSORS (TUBE)

SCE PART NUMBER	COPELAND MODEL	SUPPLY (VOLTS/PH)	DISPLACEMENT (M3/HR)	KW (-5C/R404A)	WEIGHT (KG)	FULL LOAD (AMPS)	CONNECTION (SUCTION)	CONNECTION (DISCHARGE)
COPZB15KQEPFJ524	ZB15KQE-PFJ-524	220-240/1	5.92	3880	23	11.4	3/4"	1/2"
COPZB15KQETFD524	ZB15KQE-TFD-524	380-420/3	5.92	3880	23	4.3	3/4"	1/2"
	ZB19KQE-PFJ-524	220-240/1	6.8	4930	25	12.9	3/4"	1/2"
	ZB19KQE-TFD-524	380-420/3	6.8	4930	25	4.3	3/4"	1/2"
COPZB21KQEPFJ524	ZB21KQE-PFJ-524	220-240/1	8.6	5960	27	16.4	3/4"	1/2"
COPZB21KQETFD524	ZB21KQE-TFD-524	380-420/3	8.6	5960	27	5.7	3/4"	1/2"
COPZB26KQEPFJ524	ZB26KQE-PFJ-524	220-240/1	9.9	6910	28	18.9	3/4"	1/2"
COPZB26KQETFD524	ZB26KQE-TFD-524	380-420/3	9.9	6910	28	7.1	3/4"	1/2"
COPZB29KQETFD524	ZB29KQE-TFD-524	380-420/3	11.4	7400	37	7.9	7/8"	1/2"
	ZB30KQE-TFD-524	380-420/3	11.68	8140	37	7.4	7/8"	1/2"
COPZB38KQETFD524	ZB38KQE-TFD-524	380-420/3	14.5	10100	38	8.9	7/8"	1/2"
COPZB45KQETFD524	ZB45KQE-TFD-524	380-420/3	17.1	11900	44	10.1	7/8"	1/2"
	ZB48KQE-TFD-524	380-420/3	18.75	13200	39	14	7/8"	1/2"

■ COPELAND ZB COMPRESSORS (ROTALOCK)

SCE PART NUMBER	COPELAND MODEL	SUPPLY (VOLTS/PH)	DISPLACEMENT (M3/HR)	KW (-5C/R404A)	WEIGHT (KG)	FULL LOAD (AMPS)	CONNECTION (SUCTION)	CONNECTION (DISCHARGE)
	ZB50KQE-TFD-551	380-420/3	19.8	14200	59	14.3	1 1/8"	7/8"
COPZB58KQETFD551	ZB58KQE-TFD-551	380-420/3	22.1	15850	60	16.4	1 1/8"	7/8"
COPZB66KQETFD551	ZB66KQE-TFD-551	380-420/3	25.7	17850	60	17.3	1 3/8"	7/8"
COPZB76KQETFD551	ZB76KQE-TFD-551	380-420/3	28.8	21200	65	19.2	1 3/8"	7/8"

■ COPELAND ZP COMPRESSORS (STUB TUBE)

SCE PART NUMBER	COPELAND MODEL	SUPPLY (VOLTS/PH)	DISPLACEMENT (M3/HR)	KW (7C/R410A)	WEIGHT (KG)	FULL LOAD (AMPS)	CONNECTION (SUCTION)	CONNECTION (DISCHARGE)
COPZP36KSE-PFZ-522	ZP36KSE-PFZ-522	240/1	5.988	7.5	29.4	17.7	7/8"	1/2"
COPZP36KSE-TFM-522	ZP36KSE-TFM-522	415/3	5.988	7.5	29.4	6.6	7/8"	1/2"
COPZP42KSE-PFZ-522	ZP42KSE-PFZ-522	240/1	6.929	8.71	33.1	21.7	7/8"	1/2"
	ZP42KSE-TFM-522	415/3	6.929	8.71	33.1	6.8	7/8"	1/2"
COPZP51KSE-PFZ-522	ZP51KSE-PFZ-522	240/1	8.383	11.05	34.4	22.5	7/8"	1/2"
	ZP51KSE-TFM-522	415/3	8.383	11.05	33	8.6	7/8"	1/2"
	ZP54KSE-PFZ-522	240/1	8.896	11.50	34.4	22.5	7/8"	1/2"
COPZP54KSE-TFM-522	ZP54KSE-TFM-522	415/3	8.896	11.50	33	8.6	7/8"	1/2"
COPZP57K3E-PFJ-522	ZP57K3E-PFJ-522	240/1	9.438	11.98	41.7	27.3	7/8"	1/2"
	ZP57K3E-TFD-522	415/3	9.438	11.98	41.7	10.7	7/8"	1/2"
COPZP61KCE-PFZ-522	ZP61KCE-PFZ-522	240/1	10.108	12.70	40.3	29.3	7/8"	1/2"
	ZP61KCE-TFD-522	415/3	10.108	12.70	40.3	10.9	7/8"	1/2"
	ZP67KCE-TFD-522	415/3	10.958	13.60	40	11.8	7/8"	1/2"
	ZP72KCE-TFD-522	415/3	11.679	14.80	40	12.5	7/8"	1/2"
	ZP83KCE-TFD-522	415/3	13.43	17.20	40	13.6	7/8"	1/2"
	ZP90KCE-TFD-522	415/3	14.642	18.50	57.6	16.4	1 1/8"	7/8"
	ZP103KCE-TFD-522	415/3	16.763	22.10	61.2	18.6	1 3/8"	7/8"



SYSTEM CONTROL ENGINEERING

HVAC&R CATALOGUE

► MANEUROP COMPRESSORS

QUICK GUIDE



■ COPELAND CS & CR COMPRESSORS (ROTALOCK)

SCE PART NUMBER	COPELAND MODEL	SUPPLY (VOLTS/PH)	DISPLACEMENT (CM3/REV)	KW (-5C/R404A)	FULL LOAD (AMPS)	CONNECTION (SUCTION)	CONNECTION (DISCHARGE)
COPCS14K6EPFJ595	CS14K6E-PFJ-595	240/1	48.6	4650	12.5	1 1/4 x 3/4	1 x 3/8
COPCS18K6EPFJ595	CS18K6E-PFJ-595	240/1	61.4	6000	13.6	1 1/4 x 3/4	1 x 3/8
COPCS18K6ETFD595	CS18K6E-TFD-595	415/3	61.4	6000	4.7	1 1/4 x 3/4	1 x 3/8
COPCS20K6ETFD595	CS20K6E-TFD-595	415/3	74.3	6800	5.1	1 1/4 x 3/4	1 x 3/8
COPCS27K6ETFD595	CS27K6E-TFD-595	415/3	92.4	8850	8.5	1 1/4 x 3/4	1 x 3/8
COPCS33K6ETFD595	CS33K6E-TFD-595	415/3	106.2	10600	9.9	1 1/4 x 7/8	1 x 1/2
COPCR33KQTFD	CR33KQ-TFD	415/3	62.4	4810	4.7	1 1/4 x 7/8	1 x 1/2
COPCR53KQTFD	CR53KQ-TFD	415/3	92.3	8290	9.1	1 1/4 x 7/8	1 x 1/2
COPCR62KQMFTD	CR62-KQM-TFD	415/3	101.92	9985	9.6	1 1/4 x 7/8	1 x 1/2

■ MANEUROP 415V 3 PHASE SM & SZ COMPRESSORS (STUB)

SCE PART NUMBER	MANEUROP MODEL	OIL CHARGE (LITRES)	DISPLACEMENT (CM3/REV)	KW (7C/R22)	WEIGHT (KG)	FULL LOAD (AMPS)	CONNECTION (SUCTION)	CONNECTION (DISCHARGE)
MANSZ0844	SZ084-4VI	3.25	114.5	22.8	72	17.0	1 1/8"	3/4"
	SM090-4VI	3.25	120.5	24.3	72	18.5	1 1/8"	3/4"
MANSZ1004	SZ100-4VI	3.25	127.2	25.8	72	19.0	1 1/8"	3/4"
MANSM1104	SM110-4VI	3.25	144.2	29.0	80	22.0	1 3/8"	7/8"
MANSM1154	SM115-4RI	3.8	26.97	30.0	80	25.0	1 3/4	1 1/4
MANSM1204	SM120-4VI	3.25	166.6	33.7	80	29.0	1 3/8"	7/8"
MANSM1254	SM125-4RI	3.8	166.6	33.2	80	-	1 3/8"	7/8"
MANSZ1484	SZ148-4VAI	3.6	199	40	88	32.0	1 3/8"	7/8"
MANSZ1604	SZ160-4RAI	POE 4	216.6	43	94	29.0	2 1/4"	1 3/4"
MANSM1614	SM161-4VAI	3.3	216.6	43.4	86	32.0	1 5/8"	1 1/8"
MANSZ1854	SZ185-4RI	POE 6.6	249.9	49.8	103	35.0	1 5/8"	1 1/8"
MANSM1854	SM185-4RI	6.6	249.9	50.5	103	35.0	1 5/8"	1 1/8"

■ MANEUROP 415V 3 PHASE MTZ COMPRESSORS (ROTALOCK)

SCE PART NUMBER	MANEUROP MODEL	OIL CHARGE (LITRES)	DISPLACEMENT (M3/HR)	KW (-5C/R22)	WEIGHT (KG)	FULL LOAD (AMPS)	CONNECTION (SUCTION)	CONNECTION (DISCHARGE)
MANMTZ364	MTZ36-4VI	0.95	10.52	6010	25	6.4	1 1/4 x 5/8	1 x 1/2
MANMTZ404	MTZ40-4VI	0.95	11.81	6610	26	7.1	1 1/4 x 5/8	1 x 1/2
MANMTZ444	MTZ44-4VI	1.8	13.26	6690	37	6.8	1 3/4 x 7/8	1 1/4 x 3/4
MANMTZ504	MTZ50-4VI	1.8	14.9	7490	37	8.2	1 3/4 x 7/8	1 1/4 x 3/4
MANMTZ564	MTZ56-4VI	1.8	16.73	8290	39	8.6	1 3/4 x 7/8	1 1/4 x 3/4
MANMTZ644	MTZ64-4VI	1.8	18.74	9830	39	10.0	1 3/4 x 7/8	1 1/4 x 3/4
MANMTZ724	MTZ72-4VI	1.8	21.04	11180	41	12.1	1 3/4 x 7/8	1 1/4 x 3/4
MANMTZ804	MTZ80-4VI	1.8	23.63	13130	41	13.6	1 3/4 x 1 1/8	1 1/4 x 3/4
MANMTZ1004	MTZ100-4VI	3.9	29.8	14340	60	15.7	1 3/4 x 1 1/8	1 1/4 x 7/8
MANMTZ1254	MTZ125-4VI	3.9	37.49	19190	64	19.3	1 3/4 x 1 1/8	1 1/4 x 7/8
MANMTZ1444	MTZ144-4VI	3.9	42.09	21650	67	21.4	1 3/4 x 1 1/8	1 1/4 x 7/8
MANMTZ1604	MTZ160-4VI	3.9	47.25	24090	69	25.7	1 3/4 x 1 1/8	1 1/4 x 7/8



■ STUB CONNECTOR SELECTION CHARTS

COMPRESSOR MODEL (SCE NUMBER)	SUCTION CONNECTOR	DISCHARGE CONNECTOR
► COPELAND ZR COMPRESSORS		
ZR61KC-TFD-522	ACR4081420	ACR4080816
ZR68KC-TFD-522	ACR4081420	ACR4080816
ZR72KC-TFD-522	ACR4081420	ACR4080816
ZR81KC-TFD-522	ACR4081420	ACR4081216
ZR94KCE-TFD-523	ACR4081828	ACR4080816
ZR108KCE-TFD-523	ACR4082228	ACR4081216
ZR125KCE-TFD-523	ACR4082228	ACR4081216
ZR144KCE-TFD-523	ACR4082228	ACR4081216
ZR160KCE-TFD-523	ACR4082228	ACR4081216
ZR190KCE-TFD-523	ACR4082228	ACR4081420
► COPELAND ZB COMPRESSORS		
COPZB21KQEPFJ524	ACR4081420	ACR4080816
COPZB21KQETFD524	ACR4081420	ACR4080816
COPZB26KQEPFJ524	ACR4081420	ACR4080816
COPZB26KQETFD524	ACR4081420	ACR4080816
COPZB29KQETFD524	ACR4081420	ACR4080816
COPZB38KQETFD524	ACR4081420	ACR4080816
COPZB45KQETFD524	ACR4081420	ACR4080816
COPZB58KQETFD551	ACR4081428	ACR4081420
COPZB66KQETFD551	ACR4081428	ACR4081420
COPZB76KQETFD551	ACR4081428	ACR4081420
► MANEUROP COMPRESSORS		
MANSM1254	ACR4081420	ACR4081828
MANSZ1604	ACR4082236	ACR4081828
MANSM1614	ACR4081828	ACR4081828
MANSZ1854	ACR4081828	ACR4082236
MANSM1854	ACR4081828	ACR4082236
MANMTZ364	ACR401102030	ACR401081620
MANMTZ404	ACR401102030	ACR401081620
MANMTZ444	ACR401142830	ACR401122030
MANMTZ504	ACR401142830	ACR401122030
MANMTZ564	ACR401142830	ACR401122030
MANMTZ644	ACR401142830	ACR401122030
MANMTZ724	ACR401142830	ACR401122030
MANMTZ804	ACR401182835	ACR401122030
MANMTZ1004	ACR401182835	ACR401142030
MANMTZ1254	ACR401182835	ACR401142030
MANMTZ1444	ACR401182835	ACR401142030
MANMTZ1604	ACR401182835	ACR401142030

Please Note: Some models may require copper reducers



**► SUMP HEATERS & ADAPTORS****■ DOOR & SUMP HEATERS (VARIOUS)**

VSML55	3 WATT, 36" DOOR HEATER
VSSH284	3 WATT, 18" DOOR HEATER
MANHEATER	MANEUROP PTC SUMP HEATER
COPZRHEATER1	40W COPELAND SUMP HEATER (ZR24-41)
COPZRHEATER2	45W COPELAND SUMP HEATER (ZR57-81)
COPZRHEATER	60W COPELAND SUMP HEATER (ZR94-144)

■ EXPANDO TUBES, RODS & HANDLES

VDE5	5/16" TO 3/8" ID TUBE
VDE6	3/8" TO 1/2" ID TUBE
VDE8	1/2" TO 5/8" ID TUBE
VDE10	5/8" TO 1" ID TUBE
VDEH1	EXPANDO HANDLE
VDEE30	760MM EXPANDO ROD
VDEE48	1220MM EXPANDO ROD

■ BULLET ACCESS VALVES

VSBPV31	1/4", 5/16", 3/8"
VSBPV21	1/2" & 5/8"

■ ROTALOCK STUB ADAPTORS**More Information:**

- Trying to Match Connectors?
Use the chart on page 43 to determine which stub adaptor to use for each compressor!

ACR4080812	1/2"ID x 3/4"R/L
ACR4080816	1/2"ID x 1"R/L
ACR4081216	3/4"ID x 1"R/L
ACR4081420	7/8"ID x 1 1/4"R/L
ACR4081828	1 1/8"ID x 1 1/4"R/L
ACR4082228	1 3/8"ID x 1 3/4"R/L
ACR4082236	1 3/8"ID x 2 1/4"R/L



■ SILICONE SEALANTS



VCNSLCLRRG	NATURAL CURE, CLEAR
VCNSLWITRG	NATURAL CURE, WHITE
VCNSLMAST	DUCT/COOLROOM MASTIC

■ A/C LEAK FREEZE KIT WITH CARTRIDGE & 1/4" HOSE



VLF279	0-2 TON (0-7KW)
VLF284	0-6 TON (0-21KW)
VLF285	6-12 TON (19-42KW)

■ THAWZONE

VHC1700*



AVAILABLE IN 1 OR 2 OZ

■ REUSABLE ADAPTOR HOSE

VLF29*



5/16" OR 1/4" (FLARED)

■ GASKET THREAD SEAL HFC

VNYLOGBLUE



GASKET THREAD SEALANT

■ LEAK DETECTOR L/T

VHC220**



AVAILABLE IN 8 OR 32 OZ

■ LEAK DETECTOR M/T

VHC230**



AVAILABLE IN 8 OR 32 OZ

■ LEAK DETECTOR BLUE

VFFD32



600ML SPRAY DETECTOR

■ HEAT SEAL STICK

VL11575



HEAT SEAL STICK

■ PP22 PERMAGUM

VPP22PSS



SEALING SLUG

■ LEAK LOCK

VHC10001



LEAK LOCK

■ THREAD LOCK SEALANT

VHC13001



THREAD LOCK SEALANT

■ GAS THREAD SEALANT

Z111



GAS THREAD SEALANT

■ ARMAFLEX ADHESIVE

VTBI000351



500ML / COMES WITH BRUSH





► LEAK DETECTION & CLEANING

QUICK GUIDE



■ TRACE LEAK DETECTOR

VHC20004



TRACE LEAK DETECTOR

■ TRACE 2 LEAK DETECTOR

VHC21004



TRACE 2 LEAK DETECTOR

■ ACID TEST KIT

VHC16001



ACID TEST KIT

■ RED EPOXY REPAIR KIT

VHC12001



RED EPOXY REPAIR KIT

■ IDENTIFYER OIL CHECKER

VHC16501



IDENTIFYER OIL CHECKER

■ GREEN PAN TABS

VHC52200



GREEN PAN TABS

■ ICEMAX

VHC50004



ICE MACHINE CLEANER

■ GREEN STUFF

VHC59128



COIL CLEANER

■ COOL GEL SPRAY

VL11509



32 OZ

■ CRYSTAL GEL T-SORB

VHC53001



CRYSTAL GEL T-SORB

■ 'BLAST-A-COIL' AEROSOL

VBAC20



'BLAST-A-COIL' AEROSOL

■ 'HANDI-FOAM' AEROSOL

VP30002



(FIRE RATED ALSO AVAILABLE)

■ 'COAT-A-COIL' AEROSOL

VCC20CB



'COAT-A-COIL' AEROSOL

■ ANTI BACTERIAL SPRAY

VTERGABS



ANTI BACTERIAL SPRAY

■ ZOOM SPOUT OILER

VFZOOM



ZOOM SPOUT OILER

■ MIZU SPRAY FOAM

VMIZU



MIZU SPRAY FOAM

HVAC&R CATALOGUE

SYSTEM CONTROL ENGINEERING



■ EMKARATE POE OILS



VEMKRL22CF1	RL22CF (0.9LITRE)
VEMKRL22H4	RL22CF (3.8LITRE)
VEMKRL32H1	RL32H (0.9LITRE)
VEMKRL32H4	RL32H (3.8LITRE)
VEMKRL32H19	RL32H (19LITRE)
VEMKRL32M1	RL32-3MAF (0.9LITRE)
VEMKRL32M4	RL32-3MAF (3.8LITRE)

VEMKRL32M19	RL32-3MAF (19LITRE)
VEMKRL46H4	RL46H (3.8LITRE)
VEMKRL46H19	RL46H (19LITRE)
VEMKRL68H1	RL68H (0.9LITRE)
VEMKRL68H4	RL68H (3.8LITRE)
VEMKRL68H19	RL68H (19LITRE)
VEMKRL100H1	RL100H (0.9LITRE)
VEMKRL100H4	RL100H (3.8LITRE)
VEMKRL170H4	RL170H (3.8LITRE)
VEMKRL220H4	RL220H (3.8LITRE)

■ SUNISO MINERAL OILS



VSUN3GS4	3GS (4LITRE)
VSUN3GS20	3GS (20LITRE)
VSUN3GS205	3GS (205LITRE)
VSUN4GS4	4GS (4LITRE)
VSUN4GS20	4GS (20LITRE)

VSUN4GS205	4GS (205LITRE)
VSUN5GS4	5GS (4LITRE)
VSUN5GS20	5GS (20LITRE)
VSUN5GS205	5GS (205LITRE)
VSUN6GS20	6GS (20LITRE)
VSUN4SA20	4SA (20LITRE)
VSUN4SA205	4SA (205LITRE)
VSUMRHT68208	RHT68 SUMMIT (208LITRE)

■ SUNISO POE OILS



VSUNSL22S4	SL22S (4LITRE)
VSUNSL32S1	SL32S (1LITRE)
VSUNSL32S4	SL32S (4LITRE)
VSUNSL32S20	SL32S (20LITRE)
VSUNSL32S200	SL32S (200LITRE)
VSUNSL68S1	SL68S (1LITRE)
VSUNSL68S4	SL68S (4LITRE)

VSUNSL68S20	SL68S (20LITRE)
VSUNSL100S1	SL100S (1LITRE)
VSUNSL100S4	SL100S (4LITRE)
VSUNSL100S20	SL100S (20LITRE)
VSUNSL170S1	SL170S (1LITRE)
VSUNSL170S4	SL170S (4LITRE)
VSUNSL170S20	SL170S (20LITRE)
VSUNSL220S1	SL220S (1LITRE)
VSUNSL220S4	SL220S (4LITRE)
VSUNSL220S20	SL220S (20LITRE)

■ VACUUM PUMP OILS (R31)



VSUNR311	1LT
VSUNR314	4LT

■ GLYCOL PROPYLENE USP (FOOD GRADE)



VPROGLY20	20LT
VPROGLY200	200LT

**► SOLDERING & TOOLS****■ HARRIS DYNAFLOW SOLDER**

More Information:
- **New Technology!**
A new technology replacement
for 15% silver solder

VHD620F2	28 STCKS
VHD620FKG	1KG
VHD620F	11.4KG

■ HARRIS BLOCKADE SOLDER

More Information:
- **Replaces Silver Solders!**
A replacement for all silver solders
up to 45%

VHBK220R1	20 STICKS (BARE)
VHBKFC2500R1	20 STICKS (FLUXED)

■ SILVER SOLDER

VFTB5502	1KG (YELLOW TIP)
VFTB5505	1KG (SILVER TIP)
VFTBSS15	1KG (BROWN TIP)
VFTBSS45	1KG (BLUE TIP)

■ OTHER SOLDER

ACR800BLT025	BLUE TIP 0.25KG 33 STICKS APPROX
ACR800BLT100	BLUE TIP 1KG 132 STICKS APPROX
ACR800BLTTUBE	BLUE TIP PACK 0.05KG 6 STICKS APPROX 910MM LONG
ACR800BRT100	BROWN TIP 1KG 29 STICKS APPROX 910MM LONG
ACR800BRTTUBE	BROWN TIP TUBE PACK 0.1KG 6 STICKS APPROX 910MM LONG

■ BRAZING TORCHES

VHSLT604HD	H/DUTY TRIGGER TORCH
CG021536	PORTABLE BRAZING SET
VHMAPPRO	MAP/PRO GAS REFILL
VHOXY	OXYGEN REFILL FOR MAP/PRO GAS SET

■ NITROGEN REGULATOR

ACRN2REG825Z



HARRIS POWERTORCH

■ HARRIS ECO-SMART FLUX

ACR800ESF250PG



250G COLOUR CHANGE

■ BRAZING FLUX STAY-SILV

VHSSWF1/4



GENERAL FLUX 165GM

■ BRAZING FLUX STAY-CLEAN

VHSCPF4

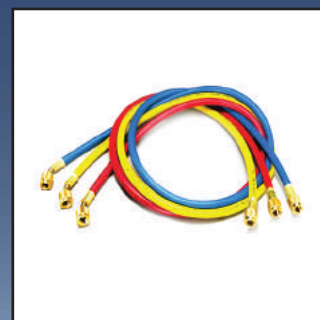


ALUMINIUM FLUX 4OZ



YELLOW JACKET®

now available at SCE!





► SERVICE TOOLS

QUICK GUIDE



■ RATCHET SPANNER

PRRW122



RATCHET SPANNER

■ PINCH OFF PLIERS

PRPH-303



175MM

■ ECCENTRIC FLARING TOOL

PRCH-806B



ECCENTRIC FLARING TOOL

■ CROSS BOW TUBE BENDER

PRCH-404L



CROSS BOW TUBE BENDER

■ LEVER BENDER KIT

PRCH-365



LEVER BENDER KIT

■ EXPANDER KIT 6 HEADS

PRCH-1000B



3/8" - 1 1/8"

■ HYDRAULIC EXPANDER

PRCH-1000B-AL



3/8"-1 1/8"

■ DEBURRING TOOL

PRDT300



STANDARD

■ DEBURRING TOOL

PRDT200



REPLACEABLE BLADE

■ DEBURRER BLADE

PRDTB



REPLACEMENT BLADE

■ INSPECTION MIRROR

PRM-2



50MM

■ INSPECTION MIRROR

PRM-3



50x90MM

■ POCKET DIAL THERMO

PRPT-1005



25MM

■ POCKET DIAL THERMO

PRPT-1435



45MM

■ GLASS POCKET THERMO

PRGT-100



6" R/S POCKET THERMO

■ DIGITAL PROBE THERMO

PRDGT07



4" DIGITAL PROBE THERMO

HVAC&R CATALOGUE

SYSTEM CONTROL ENGINEERING



■ 2 STAGE VACUUM PUMPS (GAUGE & AUTO SHUT OFF)



VACP128GV	128LT
VVACP226GV	226LT

■ SOLENOID SERVICE MAGNET



ACR8001	SOLENOID SERVICE MAGNET
---------	-------------------------

■ HEX ADAPTORS (FLARED)



PRR-04X05	1/4MFL x 5/16FFL
PRR-05X04	5/16MFL x 1/4FFL

■ REFRIGERANT CONTROL VALVE



PRCH-343-04	1/4"
PRCH-343-05	5/16"

■ BALL SHUT OFF VALVES (FLARED)



PRCH14MF	1/4" FL
PRCH516MF	5/16" FL

■ QUICK ADAPTORS



PRVPA0405	1/4"MFL X 5/16"FFL (R22)
PRVPA0504	5/16"MFL X 1/4"FFL (R410A)

■ CORE DEPRESSORS



VCDCD5050	SMALL CORE DEPRESSOR
VCDCD2060	LARGE CORE DEPRESSOR
VCDCD2070	B/SEAT CORE DEPRESSOR

■ VALVE CORE REMOVER TOOLS



VCD3930	1/4 FM FL X 1/4 M FL SIDE ACCESS (NO LOSS)
VCD3956	5/16 FM FL X 1/4 M FL SIDE ACCESS (NO LOSS)
VCD3813	C/W 3 VALVE CORES. KNURLES FOR GRIP (BRASS)
VCD3815	HEAVY DUTY WITH TORQUE RELEASE

■ CORE DEPRESSORS & ADAPTORS



VCD2070	1/4"MFL CORE DEPRESSOR B/SEAT
VCD5050	1/4"MFL X 1/4"FM FL MINI CORE DEPRESSOR
VCD2058	1/4"FL X 5/16"FL PUMP TO R410A HOSE ADAPTOR

■ CORE DEPRESSOR ACCESSORIES



VCD9601	ACCESS TEE. 1/4FM SWIVEL X 1/4MFL BCH
VCD9602	ACCESS TEE. 1/4MFL X 1/4FMFL SWIVEL BCH
VCD5060	5/16"MINI THUMB-SCREW CONTROL VALVE R410A





► GAUGES & SENSORS

QUICK GUIDE



■ YELLOW JACKET COMPOUND GAUGES



PRRG244L	63MM (R22/134/404)
PRRG804L	80MM (R22/134/404)
PRRG410L	63MM (R410A)
PRRG80410L	80MM (R410A)

■ YELLOW JACKET PRESSURE GAUGES



PRRG244H	63MM (R22/134/404)
PRRG804H	80MM (R22/134/404)
PRRG410H	63MM (R410A)
PRRG80410H	80MM (R410A)

■ REAR FLANGE / BOTTOM ENTRY THERMOS



VTCF8460	60MM (CHROME)
VTCF8480	80MM (CHROME)
VTCF84100	100MM (CHROME)

■ REVERSABLE FLANGE / BOTTOM ENTRY DIAL THERMOS



VTCF87R60	60MM (BLACK)
VTCF87R80	80MM (BLACK)
VTCF87R100	100MM (BLACK)

■ BACHARACH SLING PSYCHROMETER & FITTINGS



BA0402	SLING PSYCHROMETER
BA0408	SLING PSYCHROMETER SLING
BA0410	SLING REPLACEMENT WICK (4 PACK)

■ DIGITAL MANOMETERS



DG-2022P	0-2 BAR
DG-2026P	0-10 BAR

■ POCKET THERMO

VTCDPT



DIGITHERMO

■ DIGITAL POCKET THERMO

PRRT-905A



DIGITAL POCKET THERMO

■ DIGITAL THERMO

SE0210



-50C-1300C W/ THERMOCOUPLE

■ SUPCO METER & TEMPERATURE

ZAVSEM310



SUPCO CLAMP ON METER



■ SUPCO THERMOMETER

ZAVY69196



K CLAMP THERMOMETER

■ YELLOW JACKET THERMOMETER

ZAVY69239



DIGI-ALARM THERMOMETER

■ SUPCO TEMPERATURE & HUMIDISTAT

ZAVSEM10



TEMP & HUMIDITY INSTRUMENT

■ YELLOW JACKET SCALES

ZAVY68810



100KG ELECTRONIC SCALES

■ MANIFOLD GAUGE & HOSES



ZAVY49812	2 VALVE, R22, R134A, R404A
ZAVY49814	2 VALVE, R404A
ZAVY49864	2 VALVE, R32, R404A
ZAVY49964	4 VALVE, R32, R404A

■ YELLOW JACKET MANIFOLDS/BRUTE



ZAVY46145	BRUTE (22/134/404A)
ZAVY46176	BRUTE (R410A)
ZAVY49864	TITAN (32/404A) 2 VALVE/NO HOSE

■ YELLOW JACKET CHARGING HOSE SETS (R410A)



ZAVYY21583	CHARGING HOSE SET R410A 36" 3-PAK
ZAVYY21585	CHARGING HOSE SET R410A 60" 3-PAK

■ TORQUE WRENCH SET

VTLTWSM



TORQUE WRENCH SET

■ ACCUPROBE UV LEAK DETECTOR

ZAVY69339



YELLOW JACKET DETECTOR

■ YELLOW JACKET EXPANDER KITS & EXPANDERS



ZAVY60493	HYDRAULIC EXPANDER KIT
ZAVY60407	COMPLETE STANDARD EXPANDER KIT
ZAVY60414	3/8 PREM. EXPANDER HEAD
ZAVY60415	1/2 PREM. EXPANDER HEAD
ZAVY60416	5/8 PREM. EXPANDER HEAD

ZAVY60417	3/4 PREM. EXPANDER HEAD
ZAVY60418	7/8 PREM. EXPANDER HEAD
ZAVY60420	1-1/8 PREM. EXPANDER HEAD
ZAVY60422	1-3/8 PREM. EXPANDER HEAD
ZAVY60424	1-5/8 PREM. EXPANDER HEAD

**▶ ANALYZERS & RECOVERY UNITS**

QUICK GUIDE

**■ YELLOW JACKET DETECTOR****ZAVY69396**

CO2 LEAK DETECTOR

■ SUPCO CAPACITOR TESTER**ZAVSMFD10**

SUPCO CAPACITOR TESTER

■ YELLOW JACKET MINI REFRIGERANT ANALYZER**ZAVY40852**100 REFRIGERANT PROFILES
AUTO SUPERHEAT FUNCTION
MINI SYSTEM ANALYZER**■ YELLOW JACKET REFRIGERANT ANALYZER****ZAVY68940**IDENTIFIES PURITY OF:
R134A, R22, R407C,
R404A & R410A**■ YELLOW JACKET REFRIGERANT RECOVERY UNIT****ZAVY95768****more info:** _____**MORE INFORMATION:**

LIGHTWEIGHT AND COMPACT

■ YELLOW JACKET TUBE CUTTERS**ZAVY60101**

PREM. CUTTER 1/8 TO 1-1/8

ZAVY60102

PREM. CUTTER 1/4 TO 1-5/8

ZAVY60120

CUTTER WHEEL 60121/60142

ZAVY60121

MINI CUTTER 1/4" TO 7/8"

ZAVY60139

TUBE CUTTER 3/8" TO 25/8"

ZAVY60142

BIG MINI TUBING CUTTER

ZAVY60160

SMALL MINI TUBING CUTTER

■ YELLOW JACKET FLARING TOOLS**ZAVY60278**

DELUXE FLARE TOOL 1/8-3/4

ZAVY60278

DELUXE FLARE TOOL 1/8-3/4

ZAVY60295

ECCENTRIC CONE FLARE TOOL

■ BULLET VAC PUMP (75L)**ZAVY93623**

3CFM VAC PUMP (75L)

■ YELLOW JACKET GAUGE**ZAVY69080**

DIGITAL VACUUM GAUGE



also available!





► AIR CONDITIONERS & REMOTES



■ MITSUBISHI HEAVY HIGH-WALL SPLIT INVERTERS



R410A

REVERSE CYCLE INVERTERS
5 YEAR PARTS WARRANTY
5 YEAR LABOUR WARRANTY

more info: _____

XXXX

XXXX

VMITLHI025	1/4" & 3/8" CONNECTIONS, 2.5kW
VMITLHI035	1/4" & 3/8" CONNECTIONS, 3.5kW
VMITLHI050	1/4" & 1/2" CONNECTIONS, 5.0kW
VMITLHI060	1/4" & 5/8" CONNECTIONS, 6.0kW
VMITLHI071	3/8" & 5/8" CONNECTIONS, 7.1kW
VMITLHI080	3/8" & 5/8" CONNECTIONS, 8.0kW

■ UNIVERSAL A/C REMOTE

RANAC-ULTRA



ULTRA

■ UNIVERSAL A/C REMOTE

RANAC-ULTRAPLUS



ULTRA PLUS (MOTEL)

■ UNIVERSAL A/C REMOTE

CHENPCB168



PCB & REMOTE

■ UNIVERSAL A/C REMOTE

REMOTEAACR031



2000 IN 1 REMOTE CONTROL

■ SECURITY CONDENSER CAGES



SGS10-600	H600 X W1100 X D550
SGS10-800	H800 X W1100 X D550
SGS10-1100	H1100 X W1100 X D550
SGS10-1400	H1400 X W1100 X D550
SGS10-BPBP600	BACK PANEL 600 H

SGS10-BP800	BACK PANEL 800 H
SGS10-BP1100	BACK PANEL 1100 H
SGS10-BP1400	BACK PANEL 1400 H
SGS10-BASE	BASE PANEL SUITS ALL

■ MAX-FLOW OIL FOOT PUMP

ZAVY77930



YELLOW JACKET DELUXE

■ MAX-FLOW COMBO PUMP

ZAVY77940



YELLOW JACKET COMBO PUMP

■ SYSTEM FLUSH KIT

PRN016T



SYSTEM FLUSH KIT

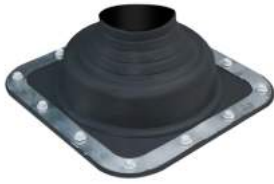
■ FLARE NUT SPANNERS

VTCFFNS



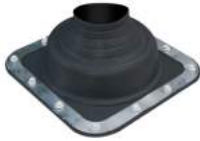
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QUICK GUIDE

■ DEKTITE PREMIUM (BLACK)



DEKDFE10MB	BOX OF 20, 0-20MM
DEKDFE100BS	BOX OF 20, 0-35MM
DEKDFE101BS	BOX OF 15, 5-55MM NIPPLE
DEKDFE102BA	BOX OF 15, 50-70MM NIPPLE
DEKDFE103B	BOX OF 10, 5-127MM
DEKDFE104B	BOX OF 10, 75-175MM
DEKDFE105B	BOX OF 10, 100-200MM
DEKDFE106B	BOX OF 10, 125-230MM
DEKDFE107B	BOX OF 10, 150-300MM

■ DEKTITE PREMIUM (RED)



DEKDFE204RE	BOX OF 10, 75-175MM
DEKDFE205RE	BOX OF 10, 100-200MM
DEKDFE206RE	BOX OF 10, 125-230MM
DEKDFE207RE	BOX OF 10, 150-300MM
DSK200RES	BOX OF 20, SOLAR KIT (SUIT SOLAR INST)

■ MOUNTING BLOCKS



HRP450B	45(H) X 95(W) X 450(L) (BEVELLED RUBBER)
HRP900B	65(H) X 95(W) X 450(L) (BEVELLED RUBBER)
HRP900	65(H) X 95(W) X 900(L) (RUBBER)
VEC989803608	450MM(L) (PLASTIC)

■ RUBBER MOUNT PADS

HRP400



PACK OF 4

■ RUBBER MOUNT BLOCK

VEZYPRM75



PACK OF 4, 75MM HIGH

■ WAFFLE VIBRATION PAD

VPADWFL0450



450(L) X 450(W)

■ RUBBER GRID SHEET

HRP450S



450(L) X 450(W) X 16MM(H)



SYSTEM CONTROL ENGINEERING

HVAC&R CATALOGUE

**► BRACKETS AND TRUNKING****■ INSTALLATION BRACKETS**

VEZYP8B18	120KG ADJUSTABLE BRACKET
VEZYP8B24	150KG ADJUSTABLE WALL BRACKET
VEZYP24	180KG ADJUSTABLE ROOF BRACKET
VEZYT6115	170KG STAINLESS STEEL BRACKET

■ CLIMA PLUS TRUNKING

VEC980500108	80MM x 60MM
VEC980300108	125MM x 75MM
VEC980500160	80MM x 60MM (BROWN COLOUR)
VEC980300160	125MM x 75MM (BROWN COLOUR)

■ FLEXIBLE JOINTS

VEC980511808	80MM
VEC980211808	125MM

■ JOINERS

VEC980510208	80MM
VEC980310208	125MM

■ CEILING CAPS

VEC980511108	80MM
VEC980311108	125MM

■ WALL CAPS

VEC980511608	80MM
VEC980311608	125MM

■ FLAT BENDS

VEC980511508	80MM
VEC980311508	125MM

■ 90° CORNER

VEC980511308	80MM
VEC980311308	125MM





QUICK GUIDE

■ CABLE TIES (PLASTIC)



VFCT100B	100MM, PACK OF 100 (BLACK)
VFCT200B	200MM, PACK OF 100 (BLACK)
VFCT300B	300MM, PACK OF 100 (BLACK)
VCTW25-100	2.5MM X 100MM, 4" (WHITE)
VCTB25-100	2.5MM X 100MM, 4" (BLACK)
VCTB36-140	3.6MM X 140MM, 5.5" (BLACK)
VCTW36-140	3.6MM X 140MM, 5.5" (WHITE)

VCTB48-200	4.8MM X 200MM, 8" (BLACK)
VCTW48-200	4.8MM X 200MM, 8" (WHITE)
VCTB48-300	4.8MM X 300MM, 12" (BLACK)
VCTW48-300	4.8MM X 300MM, 12" (WHITE)
VCTB72-450	7.2MM X 450MM, 17.7" (BLACK)
VCTW72-450	7.2MM X 450MM, 17.7" (WHITE)
VCTA90-650	9.0MM X 650MM, 25.6" (WHITE)
VCTA90-700	9.0MM X 700MM, 27.6" (WHITE)
VCTA90-750	9.0MM X 750MM, 29.5" (WHITE)

■ FLAT WHITE T.P.S. CABLE (100MTR)



VCBSDI7067VRD	2.5MM, 1 CORE (RED)
VCBFT2113V	1.0MM, 2 CORE
VCBFT2E7067V	2.5MM, 2 CORE + EARTH

■ OUTDOOR TO INDOOR FLAT A/C CABLE (BLUE)



VCBFT3E7050N	1.5MM, 4 CORE
VCBFT3E7067N	2.5MM, 4 CORE

■ MULTICORE CABLE (100MTR)



VCBOC3E7050V1	1.5MM, 3CORE, + EARTH (ORANGE)
VCBOC4E7050V1	1.5MM, 4CORE, + EARTH (ORANGE)
VCBOC3E7067V1	2.5MM, 3CORE, + EARTH (ORANGE)
VCBOC4E7067V1	2.5MM, 4CORE, + EARTH (ORANGE)
VCBFO315OD1	1.5MM, 2 CORE, + EARTH (GREY)

■ SICCOM PUMP

VPMPCN009



10 LITRE PUMP W/HOSE KIT

■ CONDENSATE PAN

SAVSD75220



1.4L EVAP / 4.1 PER DAY

■ 3 PIN, 10 AMP PLUG

VPS4008



MALE PLUG, 240VAC

■ 3 PIN, 10 AMP SOCKET

VPS4000



FEMALE SOCKET, 240VAC



SYSTEM CONTROL ENGINEERING

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**► ELECTRICAL & PUMPS**

QUICK GUIDE

**■ SAUERMAN Si82**

VPMPTK002



2 LITRE TANK PUMP

■ SAUERMAN Si1805

VPMPTK005



0.5 LITRE TANK PUMP

■ LIMPET PUMP

VPMPLIM40



12 LITRE CONDENSATE PUMP

■ MINI BLUE PUMP

GPX87504



MINI BLUE CONDENSATE PUMP

■ FOAM INSULATION TAPE

PRAP-703



50 M

■ CORK INSULATION TAPE

PRCT-302



TACKY INSULATION TAPE

■ GAS PTFE TAPE

CG021330



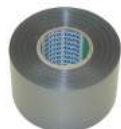
YELLOW PTFE TAPE

■ ELECTRICAL TAPE

VSET500B



19MM BLACK

■ DUCT TAPES (50M)

VCNTPD050G

50M NITTO GREY DUCT TAPE

VCNTPD050W

50M NITTO WHITE DUCT TAPE

VCNTPD050B

50M NITTO BLACK DUCT TAPE

■ FOIL TAPE (REINFORCED)

VCNTSF48

48MM

VCNTSF75

75MM

VCNTRF48

48MM REINFORCED

VCNTRF75

75MM REINFORCED

VCNTRF100

100MM REINFORCED

■ CLEAR PVC TUBE (6MM)

VFTBP0630



6MM (30 METER ROLL)

■ CLEAR PVC TUBE (10MM)

VFTBP1030



10MM (30 METER ROLL)

■ FLEXIBLE DRAIN HOSE

VEZYFDP16



16MM X 50M

■ INSULATED DRAIN HOSE

VEZYIFDP20



20MM X 20M

HVAC&R CATALOGUE

SYSTEM CONTROL ENGINEERING



SYSTEM CONTROL ENGINEERING

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SYSTEM CONTROL ENGINEERING

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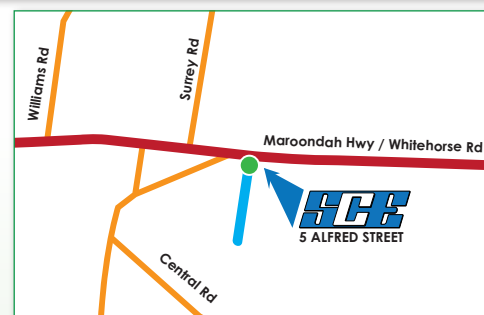
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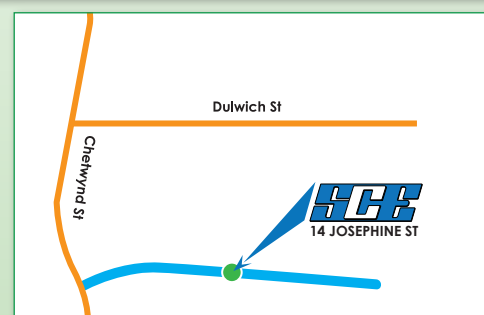


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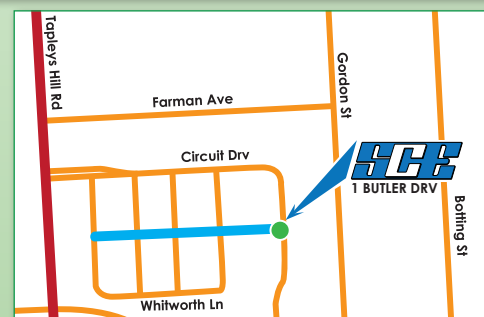


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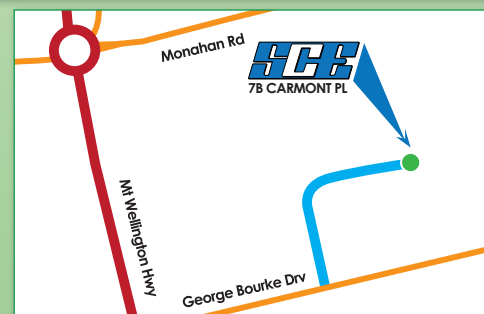


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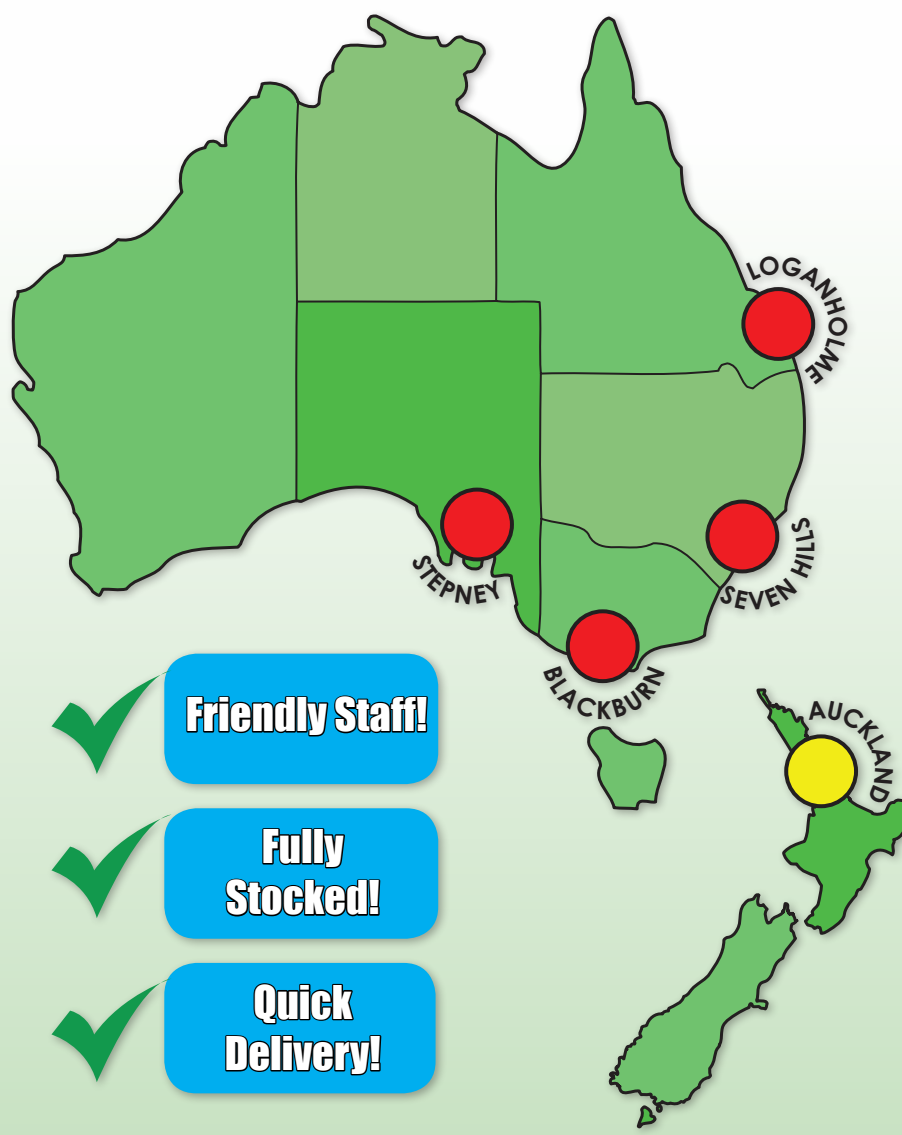
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