

SEALED UNIT PARTS

Refrigeration Relay, Overloads & Hard Starts



RO & PRO Series Relay and Overload Combinations



Features/Benefits

- RO Series features "snap-on" bracket
- PRO Series installs on "pin-type" terminal.
- Locked rotor protection eliminates start winding overheating
- Can be used with and without start capacitor motors from 1/4 to 1/3 hp.

Applications

- Select the right match to replace refrigerator compressor relay and overload units from 1/12 through 2/3 hp, 115 - 230 VAC.

Mfg Part No	HP Rating	Voltage (VAC)	Mounting
RO81	1/12 - 1/5	115	Quick Connect
RO41	1/4 - 1/3	115	Quick Connect
RO21	1/2	115	Quick Connect
RO82	1/12 - 1/8	230	Quick Connect
RO62	1/6 - 1/5	230	Quick Connect
RO42	1/4 - 1/3	230	Quick Connect
RO22	1/2 - 2/3	230	Quick Connect
PRO81	1/12 - 1/5	115	Push-on
PRO41	1/4 - 1/3	115	Push-on
PRO21	1/2	115	Push-on
PRO82	1/12 - 1/8	230	Push-on
PRO62	1/6 - 1/5	230	Push-on
PRO42	1/4 - 1/3	230	Push-on
PRO22	1/2 - 2/3	230	Push-on

RCO Series 3 N¹ Relay, Overload and Start Capacitor Combination



Features/Benefits

- Replaces relay, overload and provides a boost for hard start and unbalanced systems
- Prevents low voltage starting problems

Applications

- Select the right match to replace refrigerator compressor relay and overload units from 1/12 through 2/3 hp, 115 - 230 VAC.
- For all capillary systems

Mfg Part No	Mounting	HP Rating	Voltage (VAC)
RCO810	Quick Connect	1/12 - 1/5	115
RCO410	Quick Connect	1/4 - 1/3	115
RCO210	Quick Connect	1/2	115
RCO820	Quick Connect	1/12 - 1/8	230
RCO620	Quick Connect	1/6 - 1/5	230
RCO420	Quick Connect	1/4 - 1/3	230
RCO220	Quick Connect	1/2	230

ICG and PO Series Relays



Features/Benefits

- ICG Series features a "snap-on" bracket
- PO Series installs on compressors with "pin-type" terminals.
- Fastest cool down time of any solid state relays
- Can be used with and without start capacitor.

Applications

- One size for all compressors from 1/12 hp through 1/2 hp.
- Replaces all current type relays.

Mfg Part No	HP Rating	Voltage (VAC)	Mounting
ICG1	1/12 - 1/2	115	Quick Connect
ICG1	1/12 - 1/2	230	Quick Connect
PO115	1/12 - 1/2	115	Push - on
PO115	1/12 - 1/2	230	Push - on

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Buffalo, NY	716-853-1291	Utica, NY	315-732-4077	Erie, PA	814-459-4559	Wilkes-Barre, PA	570-824-8779
Middletown, NY	845-733-5666			Harrisburg, PA	717-558-0828	Williamsport, PA	570-323-4606

SEALED UNIT PARTS

AC Hard Starts

— Supco —

SPP Series PTC/Capacitor Combinations



FEATURES/BENEFITS

- Positive Temperature Coefficient Technology (PTC)
- Field proven reliability
- Easy 2-wire installation
- Most economic

Mfg Part No	Operating Voltage (VAC)	Recommended Range (hp)	Increase in Torque (%)
SPP	90 – 277	½ to 10	250%
SPP5	90 – 277	½ to 10	300%
SPP6	90 – 277	½ to 10	500%
SPP7S	90 – 277	½ to 10	600%

SPPE "E Class" Series EPR/Capacitor Combination



FEATURES/BENEFITS

- Electronic Potential Relay Technology (EPR)
- Backup electronic timing circuit to protect the compressor
- Voltage sensing
- Instant re-start
- Easy 2-wire installation
- Can be used on PSC and CSIR type compressors

Mfg Part No	Operating Voltage (VAC)	Recommended Range (hp)	Capacitor Size (uF)
SPP4E	90-130	1/8-1	88-106
SPP5E	90-277	1/3-2	43-52
SPP6E	90-277	1/2-3	88-106
SPP7E	90-277	1-4	130-156
SPP8E	90-277	1 and up	189-227
SPP9E	90-277	1 and up	233-280
SPP10E	90-277	3 and up	270-324/330V

Sequencers

— Supco —



FEATURES

- Direct replacement for most fan & heat sequencing functions.
- 24 volt input control
- Contacts designated M1 - M2 of a multi timing sequencer will turn on first and turn off last, as required by UL and CSA for electric heating applications.

- Five second on delay between all subsequent stages, unless they function together.

APPLICATIONS

- The SUPCO Q Series and Sequencers are field proven for controlling the operation of heating elements and or blower motors in electric, gas or oil heat systems.

Mfg Part No	Number		Timing	
	Timing	Switches	On	Off
Q101	1	1	1-20	40-110
Q102	1	1	30-90	1-30
Q103	1	2	1-20	40-110
Q104	1	2	30-90	1-30
Q105	2	3	1-110	1-110
Q106	2	4	1-110	1-110

Condensate Drain Pans

— Supco —

30-OS, 31 & 75 Condensate Drains



- Standard cast aluminum condensate drains complete with long life heating element and mounting legs.
- Designed for continuous use.

Mfg Part No	Capacity (oz)	Evap Rate (oz/hr)	Volts	Watts	Amps	Dimension (HXWXL) [in]
30-OS	38	8	120	160	1.33	2-7/8 x 4 x 10"
30-220-OS	38	8	220	160	0.73	2-7/8 x 4 x 10"
31	50	6	120	160	1.33	3-3/8 x 4-1/2 x 10"
31-220	50	6	220	160	0.73	3-3/8 x 4-1/2 x 10"
75	75	14	120	320	2.67	2-3/4 x 9 x 10"
75-220	75	14	220	320	1.45	2-3/4 x 9 x 10"

SEALED UNIT PARTS



CONTROLS GROUP NORTH AMERICA



HEATING, AIRCONDITIONING & REFRIGERATION DISTRIBUTORS INTERNATIONAL



GROUP ASSOCIATION



Meier Supply Co., Inc.
HVAC/R Specialists

SEALED UNIT PARTS

Motors



Exact Replacement & Utility Motors

SM600 Series Utility Motor Kits



FEATURES/BENEFITS

- Versatile replacement for all "C" Frame and "3 1/2" Round Style motors
- Impedance Protected
- Motor Kits include complete hardware and mounting kits

APPLICATIONS

- Reach in cooler & freezer evaporators, walk in cooler & freezer evaporators, exhaust fans, ventilator fans, range hoods, electric unit heaters, and forced air heaters

Mfg Part No	Type	Voltage AC	RPM	AMPS	Dimensions (in)	
					Shaft	Stack
SM670	Sleeve	120	3000	0.55	3/16 X 1-1/4	5/8
SM671	Sleeve	120	3000	0.55	3/16 X 1-1/4	5/8
SM672	Sleeve	240	3000	0.32	3/16 X 1-1/4	5/8
SM673	Sleeve	120	3000/1550	0.55/0.34	3/16 X 1-1/4	5/8
SM674	Sleeve	120	3000	0.55	3/16 X 1-1/4	5/8
SM675	Sleeve	120/240	3000	1.0/0.50	3/16 X 2-3/8	1
SM676	Sleeve	120	3000	0.50	3/16 X 1-1/4	7/8
SM677	Sleeve	120	2000	0.33	3/16 X 1-1/2	5/8
SM678	Sleeve	120	3000	0.55	3/16 X 1-1/2	1/2
SM679	Sleeve	120	3000	0.50	7/32 X 1-1/2	5/8
SM680	Sleeve	120	3000	0.90	3/16 X 1-1/2	1-1/8
SM681	Sleeve	120	3000/1550	0.82/0.21	3/16 X 1-3/8	5/8
SM683	Sleeve	240	3000	0.25	3/16 X 1-1/4	7/8
SM684	Sleeve	120	3000/1550	0.82/0.21	7/32 X 2-1/4	1
SM685	Sleeve	120	3000/1550	0.82/0.21	3/16 X 1-3/4	7/8
SM686	Ball Bearing	120	3000	0.41	3/16 X 1-1/4	5/8
SM687	Ball Bearing	120/240	3000	1.60/0.80	3/16 X 2-3/8	1-1/8
SM688	Ball Bearing	120	3000	0.86	3/16 X 1-1/2	1-1/8
SM691	Sleeve	120	3000	0.80	3/16 X 1-1/4	5/8
SM692	Sleeve	240	3000	0.40	3/16 X 1-1/4	5/8
SM775	Sleeve	120/240	3000	1.0/0.52	3/16 X 2-3/8	1

Fan Blades



Aluminum Condenser Fan Blades



Features/Benefits

- Aluminum Construction
- Clockwise & Counter Clockwise Rotations

Applications

- Unit Bearing Motors with 1/4" x 20 Threaded Shaft

Mfg Part No	Diameter (in)	No of Blades	Rotation	Pitch (degree)
FB101	6	5	CW	-
FB102	6	5	CCW	-
FB103	7	5	CCW	20
FB104	7	5	CW	20
FB105	8	5	CCW	20
FB106	8	5	CW	20
FB107	8 3/4	5	CW	20
FB108	10	5	CCW	29
FB109	10	5	CW	22

Plastic Fan Blades - General Purpose



Features/Benefits

- Celcon Plastic Construction
- Light Weight Design Reduces Bearing Wear & Vibrations
- Integral Hub Available In 1/8", 3/16", 1/4" & 5/16" Sizes

Applications

- Color Coded Rotation White = CW Gray = CCW
- Refrigerator & Freezer Evaporators
- Ventilators

Mfg Part No	Shaft (in)	Diameter (in)	No of Blades	Rotation
FB502	1/4	5	5	CW
FB504	3/16	5	5	CCW
FB550	3/16	5 1/2	4	CCW
FB551	1/4	5 1/2	4	CCW
FB601	3/16	6	6	CW

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Pressure Switches

Automatic Reset High, Low & Condenser Fan Cycling Pressure Switches



Features

- High Pressure SPST open on pressure rise
- Low Pressure SPST open on pressure fall
- Condenser Fan Cycling SPST open on pressure rise
- 1/4" female SAE connection
- Snap acting stainless steel hermetically sealed sensor (SHP, SLP & SFC)
- Small size and light weight for direct mounting
- Excellent set point repeatability/stability
- Pressure Range: 0 to 650 PSI
- Burst Pressure: 5000 PSI
- Life @ Rated Load: 100,000 cycles
- Rated Voltage: 50/60 Hz, 24/120/240 Volts (6 RLA, 36 LRA)
- Temperatures: Ambient 20°F to 176°F (-30°C to 80°C). Fluid 60°F to 250°F (-50°C to 120°C).

Applications

- Refrigeration systems
- Air conditioning systems
- Heat pump systems

Low Pressure

Mfg Part No	Open PSI	Close PSI	Tolerance (PSI)
SLP0520	5	20	+/- 5
SLP0530	5	30	+/- 5
SLP1025	10	25	+/- 5
SLP2045	20	45	+/- 5
SLP1535	15	35	+/- 5
SLP2550	25	50	+/- 5
SLP2565	25	65	+/- 5
SLP2580	25	80	+/- 5
SLP3560	35	60	+/- 5
SLP4560	45	60	+/- 5
SLP4080	40	80	+/- 5
SLP5090	50	90	+/- 5
SLP90120	90	120	+/- 5

High Pressure

Mfg Part No	Open PSI	Close PSI	Tolerance (PSI)
SHP200150	200	150	+/- 15
SHP250150	250	150	+/- 15
SHP250180	250	180	+/- 15
SHP275195	275	195	+/- 15
SHP300200	300	200	+/- 15
SHP325225	325	225	+/- 15
SHP325230	325	230	+/- 15
SHP350250	350	250	+/- 15
SHP375265	375	265	+/- 15
SHP400200	400	200	+/- 15
SHP400280	400	280	+/- 15
SHP400300	400	300	+/- 15
SHP425300	425	300	+/- 15
SHP425325	425	325	+/- 15
SHP450250	450	250	+/- 15
SHP610420	610	420	+/- 15

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Capillary Tubing

BC Series Bullet Restricto Cap Tubing



Fits ANY domestic and commercial refrigerator or room air conditioner from 1/8 H.P. to 5 H.P.

FEATURES

- Precision Bore, Plus or Minus .001
- The Bullet Restricto Cap is consolidated into a five-pak replacement kit. It's guaranteed to provide you with uniformity on all applications.
- The five "Restricto Cap" sizes cover hundreds of applications.

Mfg Part No	Size		Length
	O.D.	I.D.	
BC1	.081	.031	10 FT.
BC2	.093	.040	12 FT.
BC3	.093	.052	12 FT.
BC4	.125	.064	12 FT.
BC5	.071	.028	10 FT.

Thermostats

Adjustable AT Series



- Series covers almost 95% of heater and dryer applications
- Dial knob
- 40° adjustable range
- 1/4" quick connect terminals
- Use 60T Electrical Ratings

Mfg Part No	Adjustable Range	Differential	Application
ATO12	135-175	20	LIMIT
ATO13	175-215	40	LIMIT
ATO14	210-250	40	LIMIT
ATO15	250-290	40	LIMIT
ATO21	90-130	20	FAN
ATO22	140-180	20	FAN

Furnace Igniters

SIG Series Furnace Igniters

SIG1000 Universal Hot Surface Igniter



By utilizing one of the two brackets included, the SIG1000 is designed to replace over 100 original part numbers. A replacement for Norton, Robertshaw, Rheem, Carrier and more.

- Large bracket used to replace 41-403, 41-407, 41-409
- Small bracket used to replace 41-402, 41-405, 41-410
- Easy installation
- Minimizes inventory

Mfg Part No

SIG1000

SIG Series Furnace Igniters

SIG100 Series Exact Replacement Hot Surface Igniters



- Replaces Exact OEM Hot Surface Igniters
- Highest density silicon carbide - greater physical strength
- Double helix spiral design - requires less current to light
- Easy installation - no modifications or adapters necessary

Mfg Part No

SIG100

Valves & Fittings

BPV Series Bullet Piercing Valves



The ONLY valve with a permanent type, patented gasket application! SUPCO's "Bullet® Piercing Valve" utilizes the same type of gasket found under the head plate of most air conditioning compressors. When installed, the gasket actually compresses the copper tubing .020" creating a permanent, leak proof seal that will withstand any pressure and temperature for the life of the unit.

Features

- Patented valve gasket application provides 50 times more sealing area than competitive "O" ring types
- A sealing force of over 180 inch lbs., torque tested with 500 lbs., pressure tested at 250°F
- Precision piercing needle is engineered for concentricity and hardness to insure perfect seating every time
- Non-positional mounting — No adapter valve required
- Requires only a 2" clearance area for installation and operation
- Hex key wrench included — No additional tools required
- Corrosion resistant plated and lacquered finish

Applications

- Install on the high side as a permanent valve on the job
- Install on round suction lines or uneven tubing

Mfg Part No	Tubing Size (OD)	Packaging
BPV21	1/2", 5/8"	8/Box
BPV31	1/4", 5/16", 3/8"	12/Box
BPV34	3/4"	1/Box
BPV78	7/8"	1/Box

STV Series Self-Tapping Water Valves



Features

- Self piercing on copper tubing or 0.035" wall hard PVC
- Fits 3/8" O.D. through 1 3/8" O.D. tubing or pipe
- Can be installed on pipe with existing hole
- Stainless steel piercing needle
- Molded gasket has a two stage seal on both tubing and valve
- Threaded bottom bracket for easy installation
- Includes all fittings for copper and plastic tubing
- Maximum water temperature 180°F/82°C

Mfg Part No	Flow Rate	Piercing Needle	Outlet
STV2	1 GPM	1/8" Dia. (Hollow)	1/4" Comp.
STV3	1 GPM	1/8" Dia. (Hollow)	1/4" Comp.
STV4	1 GPM	3/32" Dia. (Solid, retractable)	1/4" Comp.

FTV Series Self-Tapping Valves



Applications

- Humidifiers, water coolers, vending machines, oil lines and steam systems.
- Maximum operating pressure 500 psi

Mfg Part No	Branch Fitting	Application
FTV12	3/8" SAE Flare	1/2" Steel or brass pipe approx. 7/8" OD
FTV34	3/8" SAE Flare	



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Vacuum & Pressure Gauges

VG64 Digital Vacuum Gauge



Suitable for field or laboratory use, the VG64 delivers high precision at a low price.

Features/Benefits

- Ultra fine resolution: (1 Micron when vacuum > 200 Microns)
- Reads vacuum in 7 international units
- Display updates every 1/2-second
- Convenient built in hanger
- Cleaning port provides quick cleaning and drying of sensor

Mfg Part No

VG64

VG60 Electronic Vacuum Gauge



10 segment color coded LED readout provides fast response of vacuum measurements.

Features/Benefits

- Pocket size—only 5 1/2" x 1 3/4" x 1 1/2"
- Cleanable sensor
- Single switch operation
- Low battery indication
- Color coded LED display
- Built-in hanger
- Soft case included (MFD/CASE)

Mfg Part No

VG60

DSP1000 Digital Psychrometer



The DSP1000 provides fast, accurate measurements for analysis of critical environmental conditions.

Features

- Fast Response Time
- High Accuracy
- Temperature
- Humidity
- Dewpoint Temperature
- Wet Bulb Temperature
- Max Hold
- Data Hold Function
- Micro Processor-based Design
- Dual Display Temperature & Humidity
- Auto Power Off (Disable Sleep Mode)
- Backlight
- 1 Year Warranty

Mfg Part No

DSP1000

Specialty Meters

MFD10 Digital Capacitor Tester



Applications

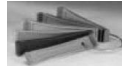
- Verification of Start and Run Capacitors
- Checks for open and short capacitors
- Identify unmarked capacitors
- Confirms weak capacitors
- Use as continuity tester

Mfg Part No

MFD10

Tools & Accessories

FCR6 - Handy Ring Fin Comb Set



Six of the most popular Fin Combs covering twelve different size fins on a convenient ring. Includes FC0810, FC0915, FC1113, FC1214, FC1617, and FC1820.

Mfg Part No

FCR6

Fin Combs

Straighten and clean evaporator and condenser fins.



Mfg Part No	Fins Per Inch	Color
FC0810	8 and 10	Orange
FC0915	9 and 15	Yellow
FC1113	11 and 13	Blue
FC1214	12 and 14	Green
FC1617	16 and 17	Lime
FC1820	18 and 20	Red
FC2224	22 and 24	Purple

Air Conditioning & Refrigeration Wrenches



Mfg Part No

RWA10

Description

Hex adapter for refrigeration wrenches

Supco

SEALED UNIT PARTS