

ALLTEMP

a **DIVERSiTECH**® company



2017

BEAT THE HEAT

SPRING COOLING SPECIAL EDITION

REFRIGERATION
AIR CONDITIONING
ELECTRICAL
SERVICE TOOLS
HEATING



SERVING THE NORTH AMERICAN HVAC/R INDUSTRY FOR OVER 40 YEARS

R12 Compressors

Performance Specifications				Capacity BTU/H - ASHRAE			Replacement Guide	
Part #	Nominal HP	Volts	Application	L/MBP	HBP32	HBP46	Tecumseh	Copeland
30-FFC60BK	1/5+	115	L/M/HBP	756	2,790	-	AEA3425AXA	ARE25C3-IAA
30-FF8.5BK	1/4	115	L/M/HBP	850	3,080	-	AEA1380AXA	AFF1-0025-SAA
30-FF10BK1	1/4+	115	L/M/HBP	915	3,240	-	AEA1410AXA, AEA3430AXA	AFG2-0026-SAA, JFC1-0025-SAA
30-FF10BX	1/4+	115	L/M/HBP	915	3,200	-	AEA2410AXA, AEA4430AXA	ARE27C3-IAA, AFG2-0026-IAA
30-FF11.5BK1	1/3	115	L/M/HBP	1,130	4,000	-	AEA1411AXA	-
30-FF112BX	1/3+	115	L/M/HBP	1,350	5,000	-	AEA440AXA, AEA4448AXA, AEA1413AXA, AEA3440AXA	ARE37C3-IAA, AFH2-0033-IAA, JFB1-0033-IAA, AFH2-0033-SAA, JFB1-0033-SAA

R134a Compressors

Performance Specifications				Capacity BTU/H - ASHRAE			Replacement Guide	
Part #	Nominal HP	Volts	Application	L/MBP	HBP32	HBP46	Tecumseh	Copeland
30-FF7.5HBK	1/5+	115	L/M/HBP	630	2,760	-	AEA1360YXA, AEA3425YXA	ARE25C3E-IAA
30-FF8.5HBK	1/4	115	L/M/HBP	740	3,135	-	AEA1370YXA, AEA3430YXA	ARE29C4E-IAA, ARE27C3E-IAA
30-FF10HBX	1/4+	115	L/M/HBP	840	3,650	-	-	ARE37C3E-IAA
30-FF110HBX	1/3	115	L/M/HBP	1,065	4,400	-	AEA4440YXA, AEA3440YXA	-
59-NEK6212Z1	1/2	115	HBP	-	-	5,178	AEA4448YXA	ARE46C4E-IAA, ARE41C3E-IAA
59-NEK6214Z1	1/2+	115	HBP	-	-	5,960	AKA4460YXA	ART51C1E-IAA, ART51C4E-IAA
59-NT6215Z2	1/2+	208-230	HBP	-	-	6,400	AKA4460YXD	ART51CE-IAV
59-NT6215Z1	1/2+	115	HBP	-	-	6,626	-	ART62C1E-IAA, RRT62C1E-IAA
59-NT6217Z1	3/4+	115	HBP	-	-	7,460	AKA4476YXA	ART64C1E-IAA, RRT64C1E-IAA
59-NT6217Z2	3/4+	208-230	HBP	-	-	7,579	AKA4476YXD	ART64C1E-IAV, RRT64C1E-IAV
59-NJ6220Z1	1	115	HBP	-	-	10,169	AJA4492YXA	ARJ84C1E-IAA, ARJ84C2E-IAA
59-NJ6220Z2	1	208-230	HBP	-	-	10,169	AJA4512YXD	ARJ84C1E-IAV, ARJ84C2E-IAV

embraco
 30 Month Warranty



NE/NEK Style

FF/FFC/FFI Style

R404A Compressors

Performance Specifications				Capacity BTU/H - ASHRAE			Replacement Guide	
Part #	Nominal HP	Volts	Application	L/MBP	HBP32	HBP46	Tecumseh	Copeland
59-NEK2125GK1	1/3+	115	LBP	1,458	-	-	AEA2411ZXA	AFE11C4E-IAA, AFE11C3E-IAA
59-NEK2134GK1	1/2	115	LBP	1,948	-	-	AJA2419ZXA	AFE13C4E-IAA, AFE13C3E-IAA
59-NEK2150GK1	1/2+	115	LBP	2,493	-	-	AJA2425ZXA	AFE17C4E-IAA
59-NT2168GKV1	3/4	115	LBP	2,628	-	-	AJA2431ZXA	AFT22C1E-IAA, RFT22C1E-IAA, AFJ23C1E-IAA
59-NT2180GKV1	1	115	LBP	3,892	-	-	AJB2433ZXA	AFT26C1E-CFA, RFT26C1E-CAA, AFT29C1E-CFA
59-NT2180GKV2	1	208-230	LBP	3,892	-	-	AWA2440ZXD	AFT29C1E-CFV, RFT29C1E-IAV
59-NT6220GKV2	1	208-230	M/HBP	-	-	8,464	-	AST45C1E-CAV
59-NT6220GKV1	1	115	M/HBP	-	-	8,464	-	AST45C1E-IAA RST45C1E-CAA
59-NT6222GKV2	1	208-230	M/HBP	-	-	9,992	AJA7494ZXD	AST54C1E-CAV, RST55C1E-CAV

Applications

LBP

(Low Back Pressure)
Evaporating
temperatures between
-31°F and 14°F

Applications:

Refrigerators, frozen food
cabinets, frozen food display
cases, display windows, etc.

L/M/HBP

(Low/Medium/High Back
Pressure)
Evaporating
temperatures between
-31°F and 59°F

Applications:

Ice makers, etc.

L/MBP

(Low/Medium Back Pressure)
Evaporating
temperatures between
-31°F and 23°F

Applications:

Commercial display counters,
and drinking fountains

MPB

(Medium Back Pressure)
Evaporating
temperatures between
14°F and 32°F

Applications:

Fresh food cabinets, drink
coolers,
ice makers, walk-in coolers
and freezers.

HBP

(High Back Pressure)
Evaporating
temperatures between
32°F and 59°F

Applications:

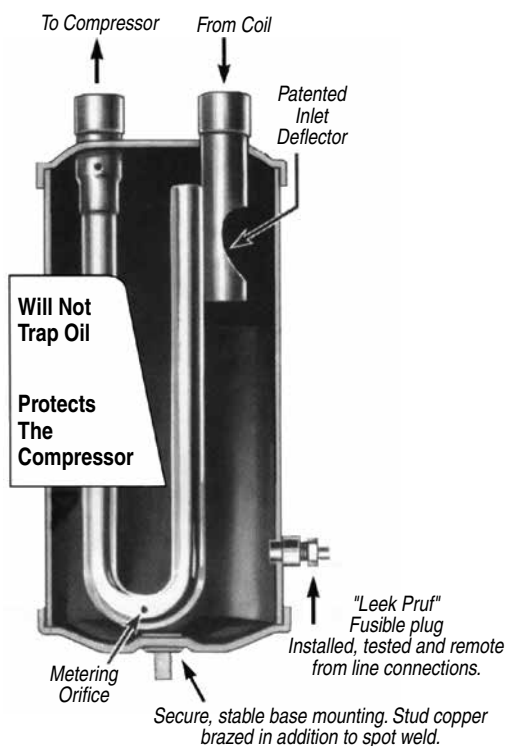
Fresh food cabinets,
icemakers, dehumidifiers,
dryers, etc.



NE/NEK Style



NT Style



The Complete Line For Exact Selection!

Air conditioning, heat pump and many other applications require intermittent operation of the refrigeration compressor. Especially in remote applications, the suction line may trap or hold large quantities of liquid which are suddenly dumped into the compressor upon start-up. This is frequently the cause of broken valves, pistons, snapped or bent connecting rods, blown gaskets and bearing washout.

Installation of a Suction Accumulator in the suction line just before the compressor eliminates damage from a sudden surge of refrigerant and/or oil during the start-up process.

Features

- Inlet deflector permits tangential entry of fluid.
- Inlet marked with metal plate to prevent error in hook-up.
- 4" to 6" diameters are complete with fusible plug and installed to comply with UL & cUL.
- Copper nipples are standard on vertical UL and cUL models
- Controlled hydrogen copper brazing process provides the ultimate in cleanliness and uniform strength.

Part #	Dia. (")	Len. (")	Wt. (lbs)	Maximum Refrigerant Holding Capacity (LBS.)				UL Code Ident	Suction Inlet/ Outlet I.D. Size			Evap Temp (°F)	Recommended Tons of Refrigeration											
													Refrigerant											
				R410A		R134a							R22		R404A		R410A		R134a		R22		R404A	
				Max	Min	Max	Min						Max	Min	Max	Min	Max	Min	Max	Min	Max	Min		
48-3816	4.0	7.1	3.0	1.9	2.2	2.1	1.9	KN	}	1/2	{	+20	0.65	0.15	0.31	0.09	0.62	0.14	0.58	0.10				
48-3817	4.0	11.1	4.6	3.7	4.2	4.2	3.7	KN				0	0.47	0.11	0.22	0.08	0.45	0.11	0.40	0.08				
48-3701	4.0	7.1	3.0	1.9	2.2	2.1	1.9	KN	}	5/8	{	+40	2.10	0.19	0.90	0.13	2.00	0.18	1.55	0.15				
48-3702	4.0	11.1	4.6	3.6	4.2	4.1	3.6	KN				-20	0.58	0.11	0.22	0.08	0.55	0.11	0.45	0.08				
48-3703	4.0	11.4	5.2	3.5	4.1	4.0	3.7	KN	}	3/4	{	+20	2.21	0.19	1.03	0.11	2.10	0.18	2.00	0.18				
48-3738	5.0	13.2	7.7	7.0	8.0	7.9	6.9	DN	}	7/8	{	+20	3.15	0.47	1.62	0.30	3.00	0.45	3.00	0.45				
48-3700	6.0	15.0	13.0	11.5	13.1	12.9	11.4	MN	}	1 1/8	{	0	4.51	0.59	1.83	0.36	4.30	0.56	4.00	0.39				
48-3706	6.0	20.3	17.0	15.6	17.8	17.5	15.4	MN	}	1 3/8	{	0	8.08	1.68	3.42	0.97	7.70	1.60	7.00	0.56				
48-3704	6.0	24.8	20.5	20.1	22.9	22.6	19.9	MN	}	1 5/8	{	+20	19.9	2.00	8.10	1.16	11.0	19.0	10.0	1.90				



**Refrigeration
Research, Inc.**



Designed To Do The Complete Job!

Development of the Heat Exchanger–Suction Accumulator as a refrigeration component by Refrigeration Research has resulted in new and practical designs and design possibilities in refrigeration systems.

As the result of the rapidly growing need, Refrigeration Research provides a Cataloged Heat Exchanger–Suction Accumulator to correspond to each of our most popular suction accumulators. The Heat Exchanger–Suction Accumulator combinations bear the same part number as the corresponding suction accumulators except that the letters HX have been added to indicate the presence of the heat exchanger coil. Other models are available on special order.

All Heat Exchanger–Suction Accumulators are complete with fusible plugs installed complying with latest UL and cUL requirements, except those built to ASME code. CE documentation available upon request.

Copper nipples are standard on vertical UL and cUL models. Steel nipples are standard on accumulators built to ASME code. Steel nipples are available on vertical UL and cUL models on special order.

Part #	Dia. (")	Len. (")	Wt. (lbs)	Maximum Refrigerant Holding Capacity (LBS.)				UL Code Ident	Suction Line I.D.	Liquid Line I.D.	Evap Temp (°F)	Recommended Tons of Refrigeration							
												Refrigerant							
												R410A		R134a		R22		R404A	
				R410A	R134a	R22	R404A					Max	Min	Max	Min	Max	Min	Max	Min
48-HX3702	4.0	11 1/8	5.5	3.6	4.2	4.0	3.6	KN	} 5/8	3/8 {	-20	0.58	0.11	0.22	0.08	0.55	0.11	0.45	0.08
48-HX3738	5.0	13	9.0	7.0	8.0	7.9	6.9	DN	} 7/8	1/2 {	+20	3.15	0.47	1.62	0.30	3.00	0.45	3.00	0.45
48-HX3700	6.0	15	15.0	11.5	13.1	12.9	11.4	MN	} 1 1/8	5/8 {	+20	6.51	0.68	2.88	0.43	6.20	0.65	6.00	0.65
48-HX3706	6	20 1/4	20.5	15.6	17.8	17.5	15.4	MN	} 1 3/8	5/8 {	+20	11.5	2.00	5.40	1.16	11.0	1.90	10.0	1.90
48-HX3704	6	24 3/4	27.0	20.1	22.9	22.6	19.9	MN	} 1 5/8	3/4 {	+20	19.9	2.00	8.10	1.16	19.0	1.90	18.0	1.90



Refrigeration Research Receivers have been made continuously for over 50 years. Standard catalog models are shown below, however, hundreds of special models are made as well. They are used widely by original equipment manufacturers throughout the industry. They are backed by a reputation for quality and service. Contact engineering department for special designs.

Available in a broad range of types and sizes, these receivers with valves and fittings attached are hydrogen brazed for cleanliness and pressure tested for reliability. A 430°F Fusible plug is installed on all receivers except #2030, #2038, #2039, and #9028. All valves are supplied with steel stem caps with copper gaskets and brass flare nuts and caps. All receivers are powder coated for excellent corrosion resistance.

Pressure tested for 500 p.s.i. maximum working pressure.



Part #	Pump Down Capacity	Diameter & Length Over End Caps	Inlet	Outlet	WT. LBS.	UL Code Ident.
48-1920	2	3 1/2 x 7 1/2	1/4 SAE Fitting	1/4 SAE Valve	2.9	PN
48-1917	3 Lb.	3 1/2 x 10	1/4 SAE Fitting	1/4 SAE Valve	3.5	PN
48-1921	4 Lb.	4 x 10	1/4 SAE Fitting	1/4 SAE Valve	4.5	KN
48-1918	6 Lb.	5 x 10	1/4 SAE Fitting	1/4 SAE Valve	7.2	EN
48-1911	10 Lb.	6 x 12	3/8 SAE Fitting	3/8 SAE Valve	10.9	MN
48-3212	16 Lb.	6 x 18	1/2 SAE Fitting	1/2 SAE Valve	15.6	MN



**Refrigeration
Research, Inc.**

HIGHER PRESSURE BULLDOG DISCHARGE MUFFLERS

These "Green Label" discharge mufflers are uniquely designed for the higher pressure requirements of systems using R-410A. The tough requirements needed for these special models are made to the approved Underwriters Laboratory requirements necessary to meet the 675 p.s.i.g. working pressure. The chart below shows the models available.



Part #	Tons	Fitting Size (inches)	O.D. (Inches)	Overall Length (Inches)	UL Code
48-MH-2	2	3/8	2	7-7/16	MRN
48-MH-3	3	1/2	2	7-7/16	MRN
48-MH-5	5	5/8	2	7-7/16	MRN
48-MH-10	7-1/2 to 10	7/8	3	9	MSN
48-MH-15	10 to 15	1-1/8	3	9-1/4	MSN
48-MH-20	15 to 25	1-3/8	3	13-3/4	MSN
48-MH-60	50 to 75	2-1/8	6	26-1/2	MVN

48-MH-60 is rated for 472 PSI for CE

Coaxial Condensers

Coaxial water cooled condensers of various configurations are available as shown below. These counterflow condensers provide good performance at a minimum cost. Catalogued or special receivers up through 6" diameter can be provided for use with these condensers as a package for convenient hook-up. Inquiries for special runs are welcomed. All coaxial condensers come complete with brackets.



Part #	TONS	Refrigerant Connections		Water Connections		Overall Dimensions			Weight (lbs)	UL Code
		IN	OUT	IN	OUT	H	L	W		
47-5027-S	1/3	3/8" I.D.	3/8" I.D.	1/2" I.D.	1/2" I.D.	3"	9-1/4"	6-1/2"	3	CC033
47-5028-S	1/2	3/8" I.D.	3/8" I.D.	1/2" I.D.	1/2" I.D.	3-7/8"	9-1/4"	6-1/2"	5	CC050
47-5022-S	3/4	3/8" I.D.	3/8" I.D.	1/2" I.D.	1/2" I.D.	4-3/4"	9-1/4"	6-1/2"	10	CC075
47-5023-S	1	3/8" I.D.	3/8" I.D.	1/2" I.D.	1/2" I.D.	5"	11"	8-1/2"	12	CC100
47-5024-S	1-1/2	3/8" I.D.	3/8" I.D.	5/8" I.D.	5/8" I.D.	4-1/4"	11-3/4"	10"	14	CC150
47-5025-S	2	1/2" I.D.	1/2" I.D.	5/8" I.D.	5/8" I.D.	5-1/4"	11-3/4"	10"	17	CC200
47-5026-S	3	1/2" I.D.	1/2" I.D.	5/8" I.D.	5/8" I.D.	6-1/2"	12-7/8"	12"	27	CC300
47-8267-S	1	1/4" S.A.E Flare	1/4" S.A.E Flare	1/2" I.D.	3/8" I.D.	8"	11"	7-3/4"	11	ATCC100
47-8268-S	2	1/4" S.A.E Flare	1/4" S.A.E Flare	1/2" I.D.	3/8" I.D.	9-3/4"	11"	7-3/4"	16	ATCC200

S-steel outer tube with copper inner tube

Refrigeration Control Hoses

Pressure Sensing Applications:

- Low pressure safety controls
- High pressure safety controls
- Water flow controls
- Refrigerant gauges
- Capacity control regulators

Working Pressure Rating: 1000 PSI
Burst Pressure Rating: 5500 PSI
Temperature Ratings: -40°F to 266°F
Approvals: UL and ETL

R507A, R404A, R410A
R407A, R404C, R134a
R744 (CO2), R22

Oil Compatability: Mineral, Alkyl Benzene
Polyol ester, PAG

Hose Material: Polyamide Inner Liner
Vinyl Outer Cover - Gray

Fitting Material: Brass

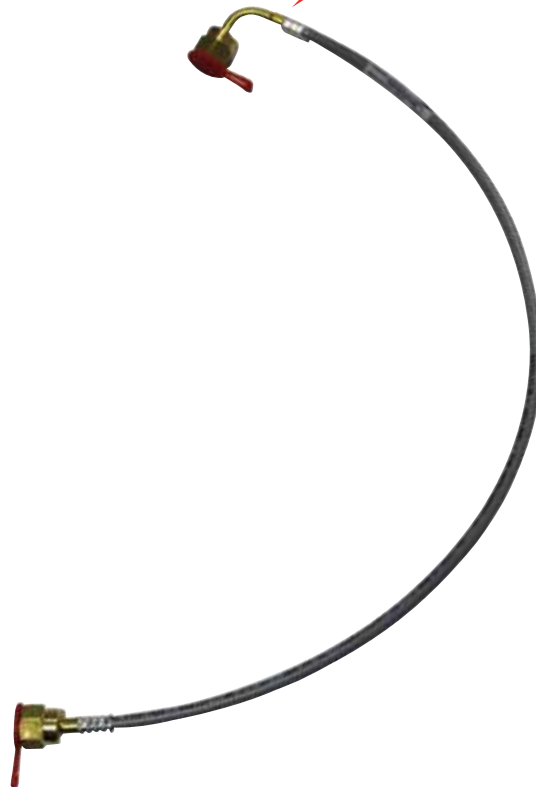
Flare Construction: Machined

Flare Nuts: Heavy Duty Frost Proof

Hose permeation rate extremely low for all refrigerants.

Absorbs all directional vibrations.

Oil and UV resistant



Refrigeration Control Hose Cross Reference

Standard Hose Configuration All Fittings 1/4" SAE, Comparison for pressure applications only

Hose Manufacturer	12"	18"	24"	30"	36"	48"	60"	72"
Alltemp*	03-RPH12	03-RPH18	03-RPH24	03-RPH30	03-RPH36	03-RPH48	03-RPH60	03-RPH72
Johnson Controls	N/A	SEC99AA-18C	SEC99AA-24C	N/A	SEC99AA-36C	SEC99AA-48C	SEC99AA-60C	N/A
Yellow Jacket	78712	78718	78724	78730	78736	78748	78760	78772

*Other Lengths and Fitting Configurations Available on Request

Working Pressure	Burst Pressure	Fitting Material	Flare Nut Material	Hose Material	Agency Listings	Max Temp Ratings	Approved Refrigerants
1000 PSI	5500 PSI	Machined Brass Flare	Heavy Duty Frost Proof Brass	Vinyl Outer Jacket-Polyamide Inner tube	UL/CSA, ETL Recognized	-40°F(-40°C) To 266°F(130°C)	R507A, R404A, R410A, R407A, R407C, R404C, R134a, R744, R22

Permeation (leak Rate)	Copper Gaskets	Core Depressors	Tube Dimensions	Min Bend Radius	Tightening Spec's	Compatible Oils	Vibration Absorption
U.L. Tested R134a - 0.0821 oz./Sq. m/Yr.	Not Recommend	Sold separately to be used as Required	OD 5.58mm(0.219") ID .0mm(0.787")	OD 1.5 Inches	10-14 Ft-Lbs. Max 18 Ft-Lbs.	Mineral, PAG Alkyl benzene, Polyol ester	Excellent in all Directions

Refrigerant Recovery Tanks

- All tanks meet ARI guidelines and government specifications for CFC, HCFC & HFC recovered refrigerants, including R11, R12, R22, R500, R502, R134a and R414b.
- Tough yellow & grey (blue for Automotive R134a) polyurethane finish protects against rust and corrosion.
- Atmospherically controlled heat treat oven assures clean cylinder interior.
- Rugged steel withstands the rigours of grueling work-a-day use.
- All tanks meet Transport Canada specifications.



54-RC30
30 lb



54-RC60F
60 lb with tank switch



54-RC100
100 lb

Recovery Tanks

Part #	Description
54-RC30	30 lb tank equipped with liquid/ vapour Y valve.
54-RC30F	54-RC30 with 54-EN1285 float switch installed.
54-RC60	60 lb tank equipped with liquid/vapour Y valve.
54-RC60F	54-RC60 with 54-EN1285 float switch installed.
54-RC100	100 lb tank equipped with liquid/ vapour Y valve.
54-RC100F	54-RC100 with 54-EN1285 float switch installed.
54-RC200	200 lb tank with separate liquid & vapour valves and safety relief.
54-RC200F	54-RC200 with 54-EN1285 float switch installed.
54-RC1000	1000 lb tank with separate liquid & vapour valves and safety relief. Has 3/4" plugged opening in bottom of tank. Also has 4 way entry for forklift rails.

350 psi working pressure (54-RC30, RC60 & RC100 series).

260 psi working pressure (54-RC200 & RC1000 series).

Enviro REFRIGERANTS



These Enviro Refrigerants are safe, non-flammable, non-toxic and environmentally responsible. Requiring no oil change or major system modifications.

www.alltemp.ca





UL & cUL listed



Applications:

- Indoor or outdoor use
- OEM equipment
- Field installations

1 Piece Non-Metal Connectors

- Installation - no disassembly required, simply screw the connector onto the conduit.
- Design allows superior liquid tight seal and optimum pull strength.
- PVC construction.
- Produced from UV rated material for long outdoor life.
- Time and cost saving benefits over other brands.
- Reusable design.
- Ideal for conduit assemblies and installers.
- Resists salt water, weak acids, gasoline, alcohol, oil, grease & most common solvents.

1/2" One Piece Connectors

Part #	Replacement Part #	Size	Description	Pkg
11-88503	750-SLTC50	1/2"	Straight Connector	25
11-88518	750-SLTC9050	1/2"	90° Connector	10

3/4" One Piece Connectors

Part #	Replacement Part #	Size	Description	Pkg
11-88505	750-SLTC75	3/4"	Straight Connector	25
11-88520	750-SLTC9075	3/4"	90° Connector	10

Liquid Tight Connectors - Two Piece



UL listed
CSA certified



Applications:

- Indoor or outdoor use
- OEM equipment
- Field installations

2 Piece Non-Metal Connectors

- Installation - simply push conduit onto ferrule, then tighten the domed sealing nut. The completed assembly is then secured to the chassis using the locknut.
- Produced from UV rated material for long outdoor life.
- Conduit & connector system is completely reusable.
- Nylon construction
- Standard colour - Gray
- Resists salt water, weak acids, gasoline, alcohol, oil, grease & most common solvents.

1/2" Two Piece Connectors

Part #	Replacement Part #	Size	Description	Pkg
11-88403	750-NMLT50	1/2"	Straight Connector	25
11-88418	750-NMLT9050	1/2"	90° Connector	10

3/4" Two Piece Connectors

Part #	Replacement Part #	Size	Description	Pkg
11-88405	750-NMLT75	3/4"	Straight Connector	25
11-88420	750-NMLT9075	3/4"	90° Connector	10

Conduit

Flexible Conduit

- Rigid coils combined with flexible PVC construction provide superior wire protection in a variety of extreme environmental & application conditions.
- Resilient to abuse, pulling or crushing.
- Smooth inside for easier wire feeding & pulling.
- Use with nylon or PVC straight or 90° Liquid Tight connectors.
- Metallic connectors can be used for Liquid Tight conduit.
- Temperature range: -18°C to 75°C.
- UL listed, CSA certified.



Conduit

Part #	Replacement Part #	Size	Length
11-8431	750-12100	1/2"	100'
11-8432	750-34100	3/4"	100'

Applications:

- HVAC Equipment
- Refrigeration Units
- Pumps
- Machine Tools
- Marine Equipment
- Motors & Controls
- Printing Equipment



Whips

Installation Whips

Pre-Assembled Whips Include:

- Non-Metallic Liquid Tight conduit (cUL listed).
- 2 One-piece non-metal PVC fittings applied (cUL listed).
 - 1 straight Liquid Tight fitting.
 - 1 90° Liquid Tight fitting.
- 2 reducing washers on 1/2" whips.
- 11" wire exposure each end.



Whips

Part #	Replacement Part #	Size	Length	Max Amp Rating	Gauge
11-4500	6-12-4NM	1/2"	4'	60	10
11-6500	6-12-6NM	1/2"	6'	60	10
11-6524	6-12-6NMR	1/2"	6'	60	10
-	6-34-3NM	3/4"	3'	-	-
-	6-34-4NM	3/4"	4'	-	-
11-6750	6-34-6NM	3/4"	6'	100	8**

* 11-6524 24" exposed wire each end - Rheem Ruud Special

** 11-6750 Ground wire = 10 Gauge.



11-U065NA1
Switch



11-U065P
Pull-Out



11-DS60PNF
Pull-Out

Features

- Easy to install
- Easy wiring access
- Lightweight, compact

Metallic-Non Fusible A/C Disconnects

- Lift-Up Door (Switch & Pull-Out)
- Straight-in, straight-out wiring saves time & money.
- Lift-up removable door for easy wiring access.
- 12.7 × 18.4 × 6.9cm (5.0" × 7.25" × 2.75")
- compact NEMA 3R enclosure.
- Keyhole mounting slot for easy installation.
- Six (½" × ¾" × 1") knockouts reduce installation time.
- Heavy zinc coated steel with high quality electro-deposition paint finish for a maximum, corrosion resistant enclosure.
- Terminals approved for 60°C & 75°C (140°F & 167°F) wire.
- Padlock provisions to prevent unauthorized access.
- UL & cUL approved.

Non Automatic Switch

- On/Off switch... No more pull-outs to lose.

Pull-Out

- Pull-out & pocket! Now that's service security!

Switch	Pull-Out	HP	Volts	Amps	Phase	AIC Rating
11-U065NA1	11-U065P	10	240	60	1	10,000
-	11-DS60PNF	10	240	60	1	10,000

E.V.A. Anti-Vibration Pad

Fused model designed with fuses in pull out handle for easy replacement. The line, load, and ground terminals are aligned for ease of wiring. This product has a reversible door which opens to either the left or right. The side open door opens more than 180 degrees for maximum access and has a full dead front. The fused models have indicator lights for blown fuses. This is rain tight and sleet resistant. The UL Listed number is IRF9, NEMA Type 3R and the US Patent is 6,630,637.



NEW!!

Low Profile Disconnects-Metal Case

This low profile disconnect switch is a slightly smaller design than that of the standard DiversiTech disconnects. This has a side opening door with a full dead front. This is rain tight and sleet resistant. The UL Listed number is IRF9, NEMA Type 3R.



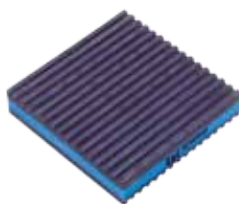
NEW!!

Part #	Description
DDS-60U	60A Non-Fusible Disconnect Switch

Part #	Description
EDS-60U	Low Profile 60A Non-Fusible Disconnect Switch

E.V.A. Anti-Vibration Pad

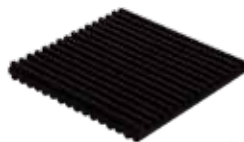
The latest generation in vibration dampening technology. The most effective vibration dampening pad available on the market. The EVA Pad was tested against other pads at four different vibration settings. In the most severe vibration extremes, the EVA Pad outperforms cork and rubber by a margin of greater than 3:1! This is due to the special composite foam center which is much more structurally sound than cork. It is not affected by oils or chemicals that can break down cork and is much more effective at vibration dampening than solid rubber. All this at a very competitive price. Designed to withstand 50 psi.



Part #	Size
MP-2E	2" x 2" x 7/8" E.V.A. Pad
MP-3E	3" x 3" x 7/8" E.V.A. Pad
MP-4E	4" x 4" x 7/8" E.V.A. Pad
MP-6E	6" x 6" x 7/8" E.V.A. Pad
MP-12E	12" x 12" x 7/8" E.V.A. Pad
MP-18E	18" x 18" x 7/8" E.V.A. Pad

Rubber Anti-Vibration Pad

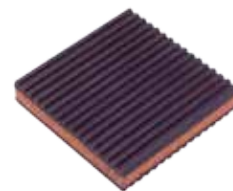
Highest quality elastomeric oil resistant padding. Designed to withstand 50 lbs. psi. The rubber pads are corrugated on both sides. Ideal for air conditioners, compressors, cooling towers, presses, machines, etc.



Part #	Size
MP-2	2" x 2" x 3/8" Rubber
MP-3	3" x 3" x 3/8" Rubber
MP-4	4" x 4" x 3/8" Rubber
MP-6	6" x 6" x 3/8" Rubber
MP-8	8" x 8" x 3/8" Rubber
MP-12	12" x 12" x 3/8" Rubber
MP-18	18" x 18" x 3/8" Rubber

Rubber/Cork Anti-Vibration Pad

Highest quality elastomeric oil resistant padding. Designed to withstand 50 psi. The rubber pads are corrugated on both sides. The cork is laminated between two corrugated pads. Ideal for air conditioners, compressors, cooling towers, presses, machines, etc.



Part #	Size
MP-2C	2" x 2" x 7/8" Rubber/Cork
MP-3C	3" x 3" x 7/8" Rubber/Cork
MP-4C	4" x 4" x 7/8" Rubber/Cork
MP-6C	6" x 6" x 7/8" Rubber/Cork
MP-8C	8" x 8" x 7/8" Rubber/Cork
MP-12C	12" x 12" x 7/8" Rubber/Cork
MP-18C	18" x 18" x 7/8" Rubber/Cork

Iso-Cube Economy Anti - Vibration Pad

Natural rubber pads, designed to reduce vibration and noise emanating from refrigeration and air conditioning equipment. The circular design in each pad offers a suction cup effect, which eliminates the need to bolt the pads down. A standard 18" (46cm) pad is divided into eighty-one 2" (5cm) segments, each of which may be cut or torn to provide smaller pads. These 50 durometer pads will withstand a load of 180 psi with greater resiliency.



Part #	Size
ISO-2	2" x 2" x 3/4" Iso-Cube
ISO-4	3" x 3" x 3/4" Iso-Cube
ISO-18	4" x 4" x 3/4" Iso-Cube
ISO-18W	Waffle Cubes

A true concrete equipment pad at the weight of plastic (about 2.5 lbs. per square foot). UltraLite® is strengthened by miles of fiber in each square foot of fiber-cement coating. This fiber allows the pad to flex instead of cracking or breaking. The textured surface prevents the condensing unit or portable generator from sliding, and allows water drainage, while the engineered encapsulated polystyrene (EPS) core prevents warping and provides a solid bottom to resist settling. Unaffected by soil conditions, ultraviolet (UV) light, temperature extremes, and other weather conditions.

FEATURES AND BENEFITS

LIGHTWEIGHT - At an average weight of 2-1/2 pounds per square foot (12 kg. per square metre), the UltraLite lightweight concrete pad is one of the lightest equipment mounting products available today. Lightweight products are important for ease of handling on job site.

DURABLE - The exterior of the UltraLite lightweight concrete pad is specifically engineered for long-term exterior weather resistance.

DUCTILE - The skin and core of the UltraLite lightweight concrete pad is specifically engineered for flexibility and ductility demanded of job site handling. Additionally, the ductility of the outer skin facilitates conformance to slight ground contours without fracture.

TIME/LABOR SAVINGS - Time is money, and hence any time savings on site translates into money saved. The UltraLite lightweight concrete pad literally installs in seconds while providing a solid foundation for the condensing unit.

CONCRETE SURFACE - The concrete external skin of the UltraLite lightweight concrete pad is not subject to ultraviolet degradation or weathering discoloration.

VIBRATION ABSORBING - The engineered polystyrene core in the UltraLite lightweight concrete pad absorbs and dampens vibration associated with normal operation of a condensing unit.

FREEZE/THAW RESISTANT - The UltraLite lightweight concrete pad is vapor permeable. Water vapor evaporates through the pad, hence the concrete outer skin is not subject to expansion cracks.

FLAME RESISTANT - The concrete outer skin of the UltraLite lightweight concrete pad is resistant to heating caused by the compressor. Additionally, the surface is resistant to heat from incidental torch flame during site installation.

OUTSIDE STORAGE - The UltraLite lightweight concrete pad is intended for life in the outdoors. As such, the pad is suitable for exterior storage prior to site installation.

2" UltraLite® Pads

The 2" thick UltraLite® pad is the industry standard. Used across a wide variety of applications, unless a thicker pad (3") is required by the local building code.



Part #	Size	Pad WT.	Pallet Qty.
UC1636-2	16 X 36	11	20
UC2424-2	24 X 24	15	20
UC2430-2	24 X 30	17	20
UC2436-2	24 X 36	22	20
UC2448-2	24 X 48	18	20
UC2626-2	26 X 26	17	20
UC2628-2	26 X 28	19	20
UC3030-2	30 X 30	21	20
UC3036-2	30 X 36	27	20
UC3040-2	30 X 40	30	20
UC3143-2	31 X 43	26	20
UC3232-2	32 X 32	24	20
UC3234-2	32 X 34	23	20
UC3434-2	34 X 34	23	20
UC3445-2	34 X 45	45	20
UC3636-2	36 X 36	27	20
UC3640-2	36 X 40	29	20
UC3648-2	36 X 48	35	20
UC3842-2	38 X 42	30	20
UC4040-2	40 X 40	32	20

3" UltraLite® Pads

Where local codes supersede the International code and require a pad thicker than 2" — 3" UltraLite® is the solution.



Part #	Size	Pad WT.	Pallet Qty.
UC2424-3	24 X 24	18	15
UC2436-3	24 X 36	26	15
UC2448-3	24 X 48	28	15
UC3030-3	30 X 30	23	15
UC3036-3	30 X 36	30	15
UC3237-3	32 X 37	27	15
UC3636-3	36 X 36	34	15
UC3642-3	36 X 42	32	15
UC3648-3	36 X 48	37	15
UC3842-3	38 X 42	35	15

3" UltraLite® Wedge Pads

The UltraLite® Wedge Pad is designed for Lennox condensing units.



Part #	Size	Pad WT.	Pallet Qty.
UC3132-3L	31 X 32	23.33	15

UltraLite® Earthquake Code Compliant Pads

Required nearly exclusively in Southern California, the UltraLite® pad is available for compliance with strict attachment provisions detailed in earthquake prone local building codes. UltraLite® earthquake code compliant pads are only available for sale in regions where local codes mandate installation of pads with these particular characteristics. Currently these locales include most of Southern California, portions of Washington, and portions of Oregon.



Part #	Size	Pad WT.	Pallet Qty.
UC2424-3CA	24 X 24	14	15
UC2436-3CA	24 X 36	22	15
UC2448-3CA	24 X 48	28	15
UC3030-3CA	30 X 30	22	15
UC3036-3CA	30 X 36	25	15
UC3636-3CA	36 X 36	28	15
UC3648-3CA	36 X 48	37	15

08-2501-100
Illustrated



Features

- Soft shell.
- Does not kink!
- Colour - clear.
- Individually boxed (c/w knock-out hole).

Drain Tubing (Poly-Vinyl)

Part #	ID	OD	Wall	Length	Max. PSI 70°F
08-2500-100	1/4"	3/8"	1/16"	100'	54
08-2501-100	3/8"	1/2"	1/16"		45
08-2502-100	1/2"	5/8"	1/16"		30
08-2503-100	5/8"	3/4"	1/16"		30
08-2504-50	3/4"	29/32"	5/64"	50'	20
08-2505-50	7/8"	1 1/16"	3/32"		20

Operating Temperatures 70°F (Ideal) to 150°F (Max)
Larger rolls or other wall thicknesses available upon request.

Clear Vinyl Tubing

Clear vinyl hose applications include: air conditioning and refrigeration condensate drains, condensate pump discharge lines and humidifier overflows.



NEW!!

Part #	Description
7-316	3/16" ID Clear Vinyl Tubing – 100' section
7-CVMINITUBE	3/16" ID CVMINI Tubing – 100' section
7-14	1/4" ID Clear Vinyl Tubing – 100' section
7-38	3/8" ID Clear Vinyl Tubing – 100' section
7-12	1/2" ID Clear Vinyl Tubing – 100' section
7-58	5/8" ID Clear Vinyl Tubing – 100' section
7-34	3/4" ID Clear Vinyl Tubing – 100' section
7-78	7/8" ID Clear Vinyl Tubing – 100' section
7-10	1" ID Clear Vinyl Tubing – 100' section

Gorilla Tube™ Clear Vinyl Tubing

Applications include: air conditioning and refrigeration condensate drains, condensate pump discharge lines, and humidifier overflows. Several sizes from 1/4" to 1" diameter. Non-toxic clear vinyl chloride. Select Gorilla Tube™ over standard clear vinyl tube because:

- Extra rigid design resists crimping and kinking due to durometer value of 80 (Shore A) and thicker wall
- Maximum service temperature 140°F (60°C)
- Better performance in cold weather climates.



NEW!!

Part #	Description
7-14P	1/4", .250" I.D., .360" O.D., .055 wall thickness
7-38P	3/8", .375" I.D., .495" O.D., .060 wall thickness
7-12P	1/2", .500" I.D., .631" O.D., .066 wall thickness
7-58P	5/8", .625" I.D., .771" O.D., .073 wall thickness
7-34P	3/4", .750" I.D., .913" O.D., .082 wall thickness
7-78P	7/8", .875" I.D., 1.050" O.D., .088 wall thickness
7-10P	1", 1.000" I.D., 1.215" O.D., .108 wall thickness

Condensate Pumps

General Purpose Pumps

The DiversiTech CP-16 condensate pump is an economical alternative that's based off of the proven CP-22 design. More compact than the CP-22, it's designed to lift to a maximum of 16 feet. The CP-16 shares many of the great features of the CP-22, including hang tabs, four inlet holes, float switch, overflow switch, and a check valve. UL Listed File Numbers E253155 and E258186.



Part #	Description
CP-16	Condensate Pump 16' Lift 120V

CP-22 Pumps

Suitable for use with HVAC equipment that produce condensate. 22' of lift compared to the typical 20'. Features include vibration dampening feet and motor mounts, metal hang tabs, four inlet holes, a clear indicator display, a float switch and check valve. Integrating the CP-22 into your system is easy. 1/4" quick connect terminals provide easy connection to the built in overflow switch. 2 terminals are provided allowing flexibility to connect air handler shut down. UL Listed File Numbers E253155 and E258186.



Part #	Description
CP-22	Condensate Pump – 120V
CP-22T	Condensate Pump – 120V w/20' 3/8" Tube
CP-22-230	Condensate Pump – 230V

CP-22 Low Profile Pumps

The new CP-22LP comes packed with all the same great features found in the CP-22, but now in a low profile package. This pump is only 4-3/8" tall so it's a good fit for those instances where space is at a premium. The shorter reservoir holds 1/3 gallon. Suitable for use with condensate up to 160 degree F. UL Listed File Numbers E253155 and E258186.



Part #	Description
CP-22LP	Condensate Pump – 120V – Low Profile

ClearVue™ Pump

No Float, No Problems! ClearVue's Variable Speed and Lift and Floatless Sensor™ make this the most advanced condensate pump ever. This new pump can provide up to 22' of lift if needed. ClearVue™ runs at the minimum speed needed, saving wear on the pump. The pump selects the lowest effective speed, making it quieter than a regular pump. Its unique self cleaning feature senses problems and automatically enters a self cleaning mode using condensate water to fix the issue. The ClearVue™ pump features a clear bottom tank to easily check the water level. Other features include: stainless steel mounting tabs, silicone rubber feet, reversible deck, four inlet holes, and LED indicator lights. ETL Listed File Number 3190890



Part #	Description
IOP-120	ClearVue™ Pump – 120V – 0-22' Lift
IOP-120T	ClearVue™ Pump w/Tube – 120V – 0-22' Lift

Condensate Drain Line Cleaning

A/C Easy Tee®

A/C Easy Tee® is a simple, inexpensive way to comply with the International Mechanical Code 307.2.5. It provides a Condensate Drain Service Port that is flexible and easy to use with nitrogen, water, or shop vac. A/C Easy Tee® has no valve or moving parts that could fail.



Drain Gun™ - SWOOSH CO₂

Cartridges

Clears condensate drains with a SWOOSH! A lightweight (3 oz.) portable tool designed to blow out drain lines instantly. New larger SWOOSH CO₂ cartridges now deliver 800 PSI of oil free air to clear the line. Each unit comes equipped with a tapered fitting to work on 3/8in. – 3/4in. drain openings. Flexible hose assembly maneuvers through cabinets, coils and hard to reach drains. Cartridges are environmentally safe and recyclable. No need for air or nitrogen tanks. Reduces labor costs and time on service calls.



Part #	Description
ET75	A/C Easy Tee®
ST75	Service Tool Kit

Part #	Description
GG-1	Drain Gun™ for A/C Condensate Lines
GGC-12	SWOOSH CO ₂ Cartridges, pack of 12

Condensate Drain Line Switches

Wet Switch Flood Detector

A solid state control designed to help prevent flooding, damage to carpets, walls, furniture, ceilings, etc. Now has a built in test and reset button for easier installation. Turns system off when detecting moisture due to condensate or drain leaks. One or two drops will cause Wet Switch to turn off a unit, alerting a serviceman to a moisture problem. A lit LED indicates the Wet Switch is activated and has turned the unit off. Reset simply by drying the absorbent pad with a paper towel and pressing the reset switch. Connects to 24 VAC. More than one unit may be connected to a system. 2 amp contact rating. Simple 5 wire installation. Sales displays available. ETL Listed File Number 3146992. UL508 Approved.



Pipe Mounted Switches

DiversiTech Flood Prevention Switches are simple to install, easy to service and extremely reliable. As water level in the auxiliary or main drain pipe rises due to a clogged air conditioning condensate drain, the switch shuts off the system - thus preventing water from overflowing and causing damage to doors, walls and ceilings. At the heart of the switch is a durable yet precise magnetic reed switch. Constructed of materials that will not rust or stick, the switch operates smoothly every time. UL508 Approved.



Part #	Description
WS-1	Wet Switch Flood Detector

Part #	Description
CS-1	Condensate Switch – Tee
CS-2	Condensate Switch – Elbow
WP-FPS-T	Tee - Rector Seal: SS1, Madison: M8000-C
WP-FPS-L	Elbow - Rector Seal: SS2, Madison: M8000-C

CS-3 Condensate Pan Switch

The CS-3 is a clip-on pan switch that use a magnetic reed switch for condensate overflow protection.



CS1200 AC Shutoff Switch

The CS1200 is a fast installing, reliable, condensate overflow detection pan switch. Featuring a unique universal pan mount design to assure accurate detection in metal or plastic secondary drain pans. UL508 Approved.



Part #	Description
CS-3	Condensate Switch – Clip
WP-FPS-B	Bracket - Rector Seal: SS3, Madison: M8000

Part #	Description
CS1200	AC Shutoff Switch

REHVAC Nitrogen Purging Equipment

Nitrogen Purge Tool

The Nitrogen Purge Tool is a quick and easy way to purge copper pipes with nitrogen. Then, with a turn of the dial, quickly switch to a very low flow of nitrogen to properly braze the copper. It has a durable aluminum design so you can just throw it into your tool bag when you are done.



Part #	Description
DP-1	Nitrogen Purge Tool

Features

- Quiet - Less than 21dBA*
- Compact Size: One of the smallest pumps on the market
 - Pump Unit: 3.36" × 1.08" × 1.92"
 - Level Sensor Unit: 3" × 1.44" × 1.44"
- Reliable and secure
 - Flowrate up to: 3.96 GPH (15L/h)
 - Easy to maintain
 - Alarm options: Stops air conditioner to avoid overflow
 - Minimal mobile parts for reduced maintenance
- Easy to install
 - Reversible plate for left or right side installation
 - Quick push fit electrical connections
 - Pre-assembled and connected
 - Illustrated step by step installation guide
 - Clean looking finishing duct with ample room for 3/8" & 5/8" lines
- IP64 - Waterproof and dust proof. Prevents connections from oxidization.
- Small to mid-sized A/C units up to 2.8 tons (34,000 Btu)



*Average level pressure at 3.3 ft, calculated on acoustic power level
LwAd = 32.8 dBA (ref. 1pW) NF EN ISO 3744 and 4871 standards.

Description	FLOWATCH Design Pre-assembled mini condensate pump kit	mini FLOWATCH 2 Pump Only
115 V 60Hz 19W	WP-DE05LUA660	WP-DE05LUA520
230 V 60Hz 19W	-	WP-DE05LUB110
Vibration belt, Pump stand & level sensor stand	INCLUDED	WP-GC1KFX2010

FLOWATCH Design Kit Includes:

- mini FLOWATCH 2 condensate pump w/ detection unit
- 3.15" × 31.5" × 2.16" (8cm × 80cm × 5.5cm) duct
- Reversible (left or right) mounting plate and elbow cover
- Ceiling plate • Complete mounting accessories



SpeediChannel™ Line Set Cover System

SpeediChannel™

The DiversiTech SpeediChannel™ is available in three widths, all in 6-1/2 feet lengths. Includes pack of SpeediClips™.



Part #	Description
230-D3	3" SpeediChannel™
230-D4	4" SpeediChannel™
230-D6	6" SpeediChannel™



SpeediChannel™ Kits

The SpeediChannel™ Fitting Kit provides a simple mix of the basic fittings used in a typical SpeediChannel™ installation job. Included are one coupling, one wall penetration, one inside elbow, one long radius flat bend, and one pack of ten SpeediClips and 11" cable ties. The 230-IKC3 and 230-IKC4 Installation Kits include three 48" pieces of channel and selected fittings.



Part #	Description
230-IKC3	3" SpeediChannel™ Installation Kit
230-IKC4	4" SpeediChannel™ Installation Kit

Universal Pump Elbow

The Universal Pump Elbow lets an installer use any mini pump of their choice and install it with SpeediChannel. Includes pump elbow and reservoir mounting brackets to fit most mini-split pumps.



Part #	Description
230-PFB3	Universal Pump Elbow

SpeediChannel™ Fittings

90° Flat Bend

90° flat bends are used to route the SpeediChannel™ around an obstacle. Each bend is individually packed, and is furnished complete with stainless steel screws.



Part #	Description
230-FB3	3" 90 deg Flat Bend
230-FB4	4" 90 deg Flat Bend
230-FB6	6" 90 deg Flat Bend



Union Coupling

Used for joining two pieces of SpeediChannel™ — each cover being the same size. Each coupling is individually packed, and is furnished complete with stainless steel screws.



Part #	Description
230-CP3	3" Union Coupling
230-CP4	4" Union Coupling
230-CP6	6" Union Coupling



90° Inside Elbow

90° inside elbows are used to route the SpeediChannel™ around an inside corner. Each elbow is individually packed, and is furnished complete with stainless steel screws.



Part #	Description
230-EB3	3" 90 degree Inside Elbow
230-EB4	4" 90 degree Inside Elbow



90° Long Radius Bend

90° long radius flat bends are used to route the SpeediChannel™ around an obstacle. The long radius of the elbow allows a gentle bending radius on the copper line set. Each elbow is individually packed, and is furnished complete with stainless steel screws.



Part #	Description
230-LFB3	3" 90 deg Long Radius Bend
230-LFB4	4" 90 deg Long Radius Bend
230-LFB6	6" 90 deg Long Radius Bend



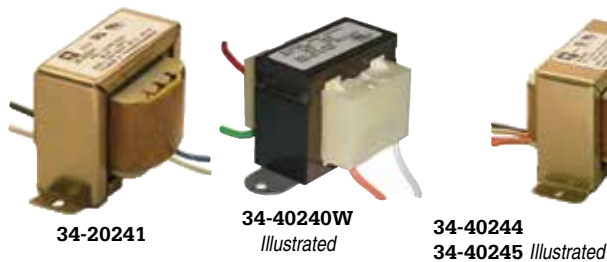
Features

- Compact superior design.
- Individually boxed with instructions.
- Includes necessary mounting hardware.
- Complete cross-reference.

Control Transformers

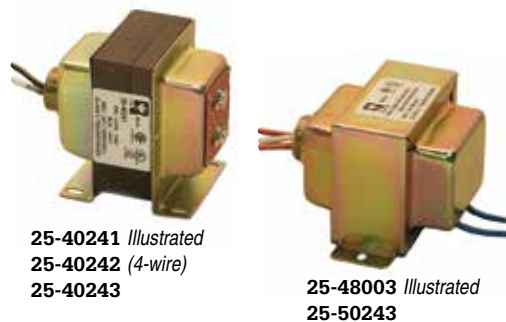
Control transformers are designed for use in 2.5, 12 or 24 volt alternating current (AC) control systems, including air conditioning circuits, thermostats, gas valves, relays and or other applications that do not exceed the listed ratings. These transformers can be used to replace any transformers of the same primary voltage and equal or smaller VA ratings.

SPECIALLY DESIGNED FOR LOW VOLTAGE CONTROL APPLICATIONS IN THE INDUSTRIAL HEATING & COOLING INDUSTRY!



Foot Mount

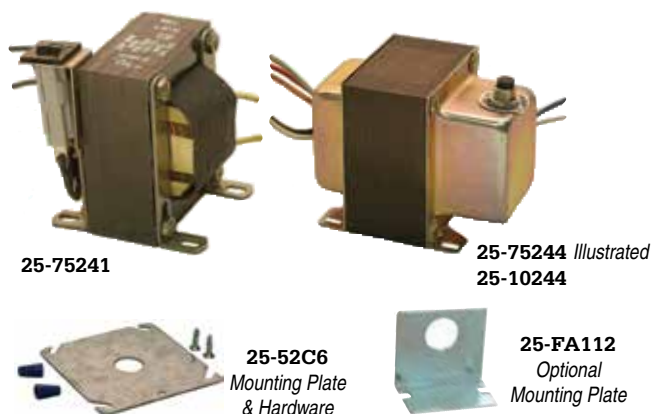
Part #	VA	Primary Voltage	Secondary	
			Voltage	Connections
34-20241	20	120	24	Wire
34-40244	40	120	24	Wire
34-40240W	40	240	24	Wire
34-40245	40	120/ 208/ 240	24	Wire
34-50254	50	575	24	QC



Multi Mount (Foot, Plate, Conduit)

- 34-52C6 mounting plate, (2) screws & (2) wire connectors included.

Part #	VA	Primary Voltage	Secondary	
			Voltage	Connections
34-40241	40	120	24	Screw
34-40242	40	208/ 240 / 277	24	Screw
34-40243	40	120/ 208/ 240	24	Screw
34-48003	48	120/ 208/ 240	2.5 / 12 / 24	Wire
34-50243	50	120/ 208/ 240	24	Wire



Foot Mount

Heavy Duty (c/w Circuit Breaker)

Part #	VA	Primary Voltage	Secondary	
			Voltage	Connections
34-75241	75	120	24	Wire
34-75244	75	120/ 208/ 240/ 480	24	Wire
34-75254	75	120/ 208/ 240/575	24	Wire
34-10244	96	120/ 240/ 277/ 480	24	Wire

Features:

- Automatic & manual reset*
- Corrosion resistant.
- Environmentally sealed (water tight switched).
- Non-position-sensitive.
- Low/high pressure cycling.
- Condenser fan cycling.
- Variety of fixed pressure settings.
- Complete with 1/4 inch SAE female flare fitting with valve core depressor.
- 18 inch leads (longer lead lengths available).

*Note: Automatic reset controls may be used to replace manual reset controls.

Automatic Reset Pressure Controls

Miniature pressure controls are fixed setting controls used on refrigeration, air conditioning, or heat pump systems using R12, R22, R410A or R502 refrigerants. Both low (suction) and high (discharge or head pressure) sensing controls are available. These single function controls, single pole, single throw (SPST) switches may be used in a variety of applications: direct control of single speed fan motors or compressors; in conjunction with a contactor for pilot duty; or to control electronic management systems.

The RMF Miniature Pressure control will cycle a single speed condenser fan when the predetermined head pressure (cut in) is reached. When the head pressure is reduced to a predetermined pressure (cut out), the fan will shut off. (Normally open switch). CSA & UL approved.

Pressure Control Switches

Part #	Application	Setting (psig)		Cross Reference
		Cut Out	Cut In	
41-RML-520	Low Pressure Cut Out	5	20	33329, PS-LP05-20, PC002.
41-RML-1025		10	25	33330, PS-LP10-25, 3100-050.
41-RML-1535		15	35	33333.
41-RML-1555L		15	55	Long Lead (30").
41-RML-2045		20	45	
41-RML-2580		25	80	33362, 33363, 33336, PS-LP25-80, 3100-051.
41-RML-3560		35	60	PC001.
41-RML-4080		40	80	33364, PS-LP40-80, 3100-052.
41-RML-4560		45	60	33339.
41-RML-75100		75	100	Suitable for R410A)
41-RML-90120F		90	120	
41-RMF-75120	Condenser Fan Cycling	75	120	Suitable for R410A
41-RMF-110170		110	170	
41-RMF-150225		150	225	
41-RMF-190275		190	275	33341.
41-RMF-300400		300	400	
41-RMH-250180	High Pressure Cut Out	250	180	33350.
41-RMH-300200		300	200	33310, 33355, PS-HP300-200.
41-RMH-325225		325	225	33313.
41-RMH-350250		350	250	33316, 33356, PS-HP350-250, 3100-150, PC150.
41-RMH-375275		375	275	33319.
41-RMH-400200		400	200	
41-RMH-400300		400	300	33322, 33357, 33358, PS-HP400-300, 3100-151, PC151.
41-RMH-425325		425	325	33325, 33359, PC100.
41-RMH-600475		600	475	Suitable for R410A
41-RMM-350	Mini Pressure Manual	350	-	
41-RMM-410		410	-	33365
41-RMM-430		430	-	33352
41-RMM-440		440	-	33350
41-RMM-600		600	-	

The miniature pressure controls are supplied with 12 inch, 18 AWG stranded leads, stripped 1/2 inch. RML and RMF are blue – RMH are black.

1/4 inch, SAE female flare fitting with valve core depressor.

All RML, RMF and RMH controls are individually packaged and equipped with a 1/4" SAE female flare fitting. For application requiring a pressure connector other than 1/4" female flare, use an appropriate adapter or connector.

Example: 02-C31004 – 1/4" SAE male flare to 1/4" tube adapter
02-C31482 – 1/4" SAE male flare to 1/8" MPT connector

All RML, RMF and RMH controls will have pressures stamped on the control. Normally, the OEM's pressure is stamped on the control.

Automatic reset controls may be used to replace manual resets.

Electrical ratings must not be exceeded and all electrical connections must comply with local approval authorities.

Operating Ambient -20° to 150°F (-28° to 65°C).
Refrigerant -35° to 275°F (-37° to 135°C).



41-RML-2045

Illustrated



VAC	FLA	LRA
24	-	-
120	10	40
240	5	20
277	-	-

Features

- 1.5 pole (1 pole with shunt) 30 & 40 amp to 2 pole 20, 25, 30 & 40 amp.
- Features lug, spade terminals and protective covers
- Compact size
- Universal galvanized mounting plates
- ARI 780/790 standards
- Brass/copper terminals
- Quick connect and screw terminals on coil.
- Snap on auxiliary contacts available
- cURus approved



1 Pole with Shunt and 2 Pole Models

Part #	Poles	Full Load Amps.	Coil Voltage 50/60	Locked Rotor Amps			Resistive Amps.	Termination	Furnas #
				240V	480V	600V			
DP-1P30A24	1.5	30	24	180	150	120	40	Screw Type	45EG10AJA
DP-1P30A120	1.5	30	120	180	150	120	40		45EG10AFA
DP-1P30A240	1.5	30	208/240	180	150	120	40		45EG10AGA
DP-1P40A24	1.5	40	24	240	200	160	50	Box Lug	45GG10AJAL, 45FG10AJA, 45GG10AJA
DP-1P40A120	1.5	40	120	240	200	160	50		45GG10AFAL, 45FG10AFA, 45GG10AFA
DP-1P40A240	1.5	40	208/240	240	200	160	50		45GG10AGAL, 45FG10AGA, 45GG10AGA
DP-2P20A24	2	20	24	120	100	80	30	Box Lug	45CG20AJ
DP-2P20A120	2	20	120	120	100	80	30		45CG20AF
DP-2P20A240	2	20	208/240	120	100	80	30		45CG20AG
DP-2P25A24	2	25	24	150	125	100	35	Box Lug	45DG20AJ
DP-2P25A120	2	25	120	150	125	100	35		45DG20AF
DP-2P25A240	2	25	208/240	150	125	100	35		45DG20AG
DP-2P30A24	2	30	24	180	150	120	40	Screw Type	45EG20AJ
DP-2P30A120	2	30	120	180	150	120	40		45EG20AF
DP-2P30A240	2	30	208/240	180	150	120	40		45EG20AG
DP-2P40A24	2	40	24	240	200	160	50	Box Lug	45GG20AJL
DP-2P40A120	2	40	120	240	200	160	50		45GG20AFL
DP-2P40A240	2	40	208/240	240	200	160	50		45GG20AGL

Definite Purpose Magnetic Contactors

Economy

Features

- 3 pole 20, 25, 30, 40, 50 & 60 amp
- Totally enclosed
- Features lug, spade terminals and protective covers
- Compact size
- Universal galvanized mounting plates
- ARI 780/790 standards
- Push to test button
- Brass/copper terminals
- Quick connect and screw terminals on coil.
- Snap on auxiliary contacts available
- cURus approved



3 Pole Models

Part #	Poles	Full Load Amps.	Coil Voltage 50/60	Locked Rotor Amps			Resistive Amps.	Termination	Furnas #
				240V	480V	600V			
DP-3P20A24	3	20	24	120	100	80	30	Box Lug	-
DP-3P20A120	3	20	120	120	100	80	30		-
DP-3P20A240	3	20	208/240	120	100	80	30		-
DP-3P25A24	3	25	24	150	125	100	35	Box Lug	-
DP-3P25A120	3	25	120	150	125	100	35		-
DP-3P25A240	3	25	208/240	150	125	100	35		-
DP-3P30A24	3	30	24	180	150	120	40	Screw Type	42BF35AJ
DP-3P30A120	3	30	120	180	150	120	40		42BF35AF
DP-3P30A240	3	30	208/240	180	150	120	40		42BF35AG
DP-3P40A24	3	40	24	240	200	160	50	Box Lug	42CF35AJ
DP-3P40A120	3	40	120	240	200	160	50		42CF35AF
DP-3P40A240	3	40	208/240	240	200	160	50		42CF35AG
DP-3P50A24	3	50	24	300	250	200	65	Box Lug	42DF35AJ
DP-3P50A120	3	50	120	300	250	200	65		42DF35AF
DP-3P50A240	3	50	208/240	300	250	200	65		42DF35AG
DP-3P60A24	3	60	24	360	300	240	75	Box Lug	42EF35AJ
DP-3P60A120	3	60	120	360	300	240	75		42EF35AF
DP-3P60A240	3	60	208/240	360	300	240	75		42EF35AG
DP-3P75A24	3	75	24	450	375	300	90	Box Lug	42FE35AJ106
DP-3P75A120	3	75	120	450	375	300	90		42FE35AF106
DP-3P75A240	3	75	208/240	450	375	300	90		42FE35AG106
DP-3P90A24	3	90	24	540	450	360	120	Box Lug	42GE35AJ106
DP-3P90A120	3	90	120	540	450	360	120		42GE35AF106
DP-3P90A240	3	90	208/240	540	450	360	120		42GE35AG106

Features

- 4 pole 20, 25, 30 & 40 amp
- Features lug, spade terminals and protective covers
- Totally enclosed
- Compact size
- Universal galvanized mounting plates
- ARI 780/790 standards
- Push to test button
- Brass/copper terminals
- Quick connect and screw terminals on coil.
- Snap on auxiliary contacts available
- cURus approved



4 Pole Models

Part #	Poles	Full Load Amps.	Coil Voltage 50/60	Locked Rotor Amps			Resistive Amps.	Termination	Furnas #
				240V	480V	600V			
DP-4P20A24	4	20	24	120	100	80	30	Box Lug	-
DP-4P20A120	4	20	120	120	100	80	30		-
DP-4P20A240	4	20	208/240	120	100	80	30		-
DP-4P25A24	4	25	24	150	125	100	35	Box Lug	-
DP-4P25A120	4	25	120	150	125	100	35		-
DP-4P25A240	4	25	208/240	150	125	100	35		-
DP-4P30A24	4	30	24	180	150	120	40	Screw Type	42BF25AJ
DP-4P30A120	4	30	120	180	150	120	40		42BF25AF
DP-4P30A240	4	30	208/240	180	150	120	40		42BF25AG
DP-4P40A24	4	40	24	240	200	160	50	Box Lug	42CF25AJ
DP-4P40A120	4	40	120	240	200	160	50		42CF25AF
DP-4P40A240	4	40	208/240	240	200	160	50		42CF25AG

Economy

Features

- Auxilliary switches for 3 & 4 pole 30 - 90 amp "DP" series contactors
- Compact size
- cURus approved



DP-AS1



DP-AS2



DP-AS3



DP-AS4



DP-AS5



DP-AS6



DP-AS7



DP-AS8



DP-AS9



DP-AS10

Auxiliary Switches

Switch Size	Part #	Cont. Amps	Voltage Rating	Description	Connection
3 Pole, 20-60 Amp 4 Pole 30-60 Amp	DP-AS3	10	600	2 x SPST, N.O. & N.C.	Quick
	DP-AS6	10	600	2 x SPST, N.O. & N.C.	Screw
	DP-AS7	10	300	SPDT, N.O. & N.C.	Quick
	DP-AS8	10	300	2 x SPDT, N.O. & N.C.	Quick
	DP-AS1	10	600	SPST, N.O.	Quick
	DP-AS4	10	600	SPST, N.O.	Screw
	DP-AS2	10	600	SPST, N.C.	Quick
	DP-AS5	10	600	SPST, N.C.	Screw
3 Pole, 50-60 Amp	DP-AS10	10	300	SPDT, N.O. & N.C.	Quick
3 Pole, 75-90 Amp	DP-AS9	10	300	SPDT, N.O. & N.C.	Quick



25-90290
Illustrated

Contact Rating

- 125/250 VAC

FLA	LRA	Inductive Amps	Resistive Amps
8	18	8 Amp Continuous	16 Amp Continuous

Specifications

- Temperature Range: -20°C (-4°F) to 40°C (104°F).
- Mechanical Life: 1,000,000 operations.
- Electrical Life: 100,000 operations (@ 16amp 240VAC Res.)
- Operate Time (typical): 25 ms at nominal coil voltage.
- Release Time (typical): 25 ms at nominal coil voltage.
- Dielectric Strength (at sea level for 1 min.):
 - 2500 Vrms coil to contact.
 - 1000 Vrms between open contacts.
- Coil Frequency: 50/60 Hz.
- Coil Insulation: Class A (105°C / 221°F).
- Coil Duty Cycle: Continuous.
- Terminals: ¼" quick-connects.
- Contact Material: Silver cerium
- Enclosure: Phenolic.

Features

- Designed for switching single or two speed fan motor, relays, solenoids, resistive loads in cooling, heating or general purpose switching applications.
- Replace WR/ Essex/ RBM & Mars type 84 models
- Totally enclosed compact design.
- Quiet & reliable operations.
- UL & cUR (file E44211)
- Universal mounting bracket.

2-Pole HVAC Standard Duty Relays

Coil Voltage	Part # SPST	Part # SPDT	Coil Resistance DC OHMS ±10%	Nominal Current MA	Nominal VA Sealed	Inrush VA
24	25-90290	25-90293	90	146	3.5	4
120	25-90291	25-90294	2,000	29		
240	25-90292	25-90295	7,200	15		

Totally Enclosed Fan Relays - Heavy Duty



25-90380
Illustrated

Specifications

- Temperature Range: -20°C (-4°F) to 40°C (104°F).
- Mechanical Life: 1,000,000 operations.
- Electrical Life: 100,000 operations (@ 25amp 277VAC Res.)
- Operate Time (typical): 25 ms at nominal coil voltage.
- Release Time (typical): 25 ms at nominal coil voltage.
- Dielectric Strength (at sea level for 1 min.):
 - 2500 Vrms coil to contact.
 - 1000 Vrms between open contacts.
- Coil Frequency: 50/60 Hz.
- Coil Insulation: Class A (105°C / 221°F).
- Coil Duty Cycle: Continuous.
- Terminals: ¼" quick-connects.
- Contact Material: Silver cadmium oxide.
- Enclosure: Phenolic.

Features

- Designed for cooling, heating or general purpose switching equipment operating heavier loads.
- Replace WR/ Essex/ RBM & Mars type 184 models
- Totally enclosed compact design.
- Quiet & reliable operations.
- Universal mounting bracket
- UL & cUR (file E44211)
- SPST, SPDT & SPNO/SPNC models.

Heavy Duty Relays

Coil Voltage	SPST Part #	SPDT Part #	SPNO-SPNC* Part #	Coil Resistance DC OHMS ±10%	Nominal Current MA	Nominal VA Sealed	Inrush VA	VAC	Amps	FLA	LRA	Inductive Amps	Resistive Amps
24	25-90360	25-90370	25-90380	77	167	4	4	125VAC	25	14	84	14 Amp Continuous	25 Amp Continuous @ 277 VAC
120	25-90362	25-90372	25-90382	2,000	33			250VAC		8	48	8 Amp Continuous	
240	25-90364	25-90374	25-90384	7,200	17			277VAC		7	42	7 Amp Continuous	

*Isolated Contacts

Contact Rating

Totally Enclosed Relay - 2 Pole HVAC Switching Relays



25-90340
Illustrated

Specifications

- Temperature Range: -40°C (-40°F) to 54°C (130°F).
- Mechanical Life: 750,000 operations.
- Electrical Life: 100,000 operations.
- Coil Frequency: 50/60 Hz.
- Coil Insulation: Class B.
- Coil Duty Cycle: Continuous.
- Terminals: ¼" quick-connects.
- Contact Material: Silver cadmium oxide.
- Enclosure: Phenolic.
- Dimensions 2.13" x 1.88" x 2.25".

Features


- Intended for many applications in air conditioning, refrigeration, heating and general purpose switching.
- Replaces Honeywell, White-Rodgers/RBM & Mars (cross reference in packaging)
- Semi-enclosed compact design.
- Quiet & reliable operations.
- Universal mounting bracket
- Molded terminal numbers and circuit diagram on top of relay.
- UL & cUR (file E44211).
- 2 Pole DT mode

Heavy Duty Relays

Coil Voltage	DPDT Part #	Terminals 1,2,3.	Terminals 4,5,6.	Resistance DC OHMS ±10%	Nominal Current MA	Nominal VA Sealed Max.	Inrush VA Max.	Cross Reference			VAC	Amps General Use	HP	LRA	FLA
								WR/ RBM	Honeywell	Mars					
24	25-90340	Power	Power	15	334	8	21.5	90-340	R4222B1082	90340	125V	15	3/4	82.8	13.8
120	25-90341			400	66			90-341	R4222B1090	90341	208V			45.6	7.6
240	25-90342			1415	38			90-342	R4222D1013	90342	250V			41.4	6.9
											277V			36.0	6.0


Universal Relay

Universal Motor Starting Relay

Part #	Features & Applications	Specifications	Cross Reference
 24-UMSR50	<ul style="list-style-type: none"> Patented differential voltage sensing No user-adjustments required Non-positional mounting configuration 50A Switching capabilities Universal mounting bracket for easy installation .250" quick connect termination Safety timer Ideal for A/C, commercial refrigeration, heat pump, or any single-phase motor application up to 10HP 	<p>Input:</p> <ul style="list-style-type: none"> Voltage Rating: 110-270 VAC, Single Phase Maximum Voltage Contact Rating: 502 VAC (absolute) <p>Motor Power Rating: Up to 10 HP</p> <p>Operating Position: Non-positional</p> <p>Safety Time Out: Approximately 1-second per 100 microfarads</p> <p>Consumption: 5VA max.</p> <p>Insulation: Class B (130°C); Conforms to IEC 1000-standards(6kV impulse / 6kV contact)</p> <p>Life Expectancy (minimum operations):</p> <ul style="list-style-type: none"> Mechanical: <ul style="list-style-type: none"> 1 x 10(6) Electrical: <ul style="list-style-type: none"> 1 x 10(6) at 16A 400 VAC 5 x 10(5) at 35A 400 VAC (break only) 5 x 10(5) at 50A 400 VAC (break only) <p>Contact Rating: 50A (break only), 400 VAC cos Ø = 0.7 to 0.8</p>	<p>Supco: APR5, SUPR</p> <p>All standard potential relays</p>


Lockout Relay

Lockout Protection Relay


Part #	Features & Applications	Specifications	Cross Reference
 24-ICM220	<ul style="list-style-type: none"> Low cost lockout relay Ideal for use with safety/interlock switches Replaces impedance relay Series 84 and 93 UL 873 recognition as a compressor controller 	<ul style="list-style-type: none"> Voltage: 18 to 30 VAC Frequency: 50 to 60 Hz Relay: 1 form C Relay Contacts: 2 amps maximum @ 30 VAC resistive Power Consumption: 2 watts maximum during lockout 	<p>Essex: Impedance relays series 84 and 93</p>

Delay On Make Timers

Ideal For Compressor Staging


Part #	Features & Applications	Specifications	Cross Reference	
<div></div> <div>24-ICM102</div>	<ul style="list-style-type: none">• Universal voltage operation.• Higher 1.5 amp power rating.• Knob-adjustable time delays.• Works with anticipator-type thermostats.• One model replaces many in field.• Ideal for compressor staging.• Simple 2-wire hook-up.• "F" suffix denotes 6" wire leads.• Compact 2" x 2" cube.	<ul style="list-style-type: none">• Control: 18-240 VAC.• 1.5 amps.• 15 amp inrush.• 40 mA holding current.• Adjustable delays 0.03 to 10 min. (1.8-600 sec.).• Voltage drop: 2.5V @ 1.5 amps.	<div>Diversified</div> <ul style="list-style-type: none">• AC-800• ASC-600, 601 <div>Gemline</div> <ul style="list-style-type: none">• 1C310, 1C213 <div>Mars</div> <ul style="list-style-type: none">• 32391, 32367	<div>Robertshaw</div> <ul style="list-style-type: none">• 3310-068 <div>Supco</div> <ul style="list-style-type: none">• TD-68, TD-69 <div>Watsco</div> <ul style="list-style-type: none">• EAC-701-ADJ• EAC-700-A

Anti-Short Cycle Protection

Part #	Features & Applications	Specifications	Cross Reference	
<div></div> <div>24-ICM203</div>	<ul style="list-style-type: none">• Universal voltage operation.• Higher 1.5 amp power rating.• Compressor lockout/ anti-short cycle timer.• Helps to protect compressors from damage caused by rapid short cycling.• Simple, 2-wire hook-up.• 24-ICM203: (ATB)• Compact 2" x 2" package.	<ul style="list-style-type: none">• Control: 18-240 VAC.• 1.5 amps.• 15 amp inrush.• Knob-adjustable delays 0.03 to 10 min. (1.8 to 600 Seconds).• Voltage Drop:<ul style="list-style-type: none">3.5V typical.4.5V max.• 40 mA holding current.	<div>Diversified<ul style="list-style-type: none">• ASC-500• ASC-501• ASC-502• ASC-503• ASC-505-5</div> <div>Gemline<ul style="list-style-type: none">• 1C320</div>	<div>Mars 32392</div> <div>Robertshaw<ul style="list-style-type: none">• 3310-072</div> <div>Supco<ul style="list-style-type: none">• TD-73</div> <div>Watsco<ul style="list-style-type: none">• EAC-501-ADJ• EAC-501-ADJ-X</div>



Bypass Timer

To Bypass A Switch Or Device During Startup


Part #	Features & Applications	Specifications	Cross Reference
 24-ICM175	<ul style="list-style-type: none"> Designed to bypass a low pressure switch or other device during start-up. Ideal for low ambient start-ups. Key component for "winter start" kits. Helps to reduce nuisance lockouts. Universal AC voltage operation. Knob-adjustable time delays. Epoxy-encapsulated circuitry. Compact 2" x 2" package. 	<ul style="list-style-type: none"> Control: 18-240 VAC. Frequency: 50/ 60 Hz. 1 amp maximum. 40 mA minimum. 10 amp inrush. Knob-adjustable time delays: 10 to 1,000 sec. 	Mars • 32395 Supco • TDP68

Motor Protection Controls

3-Phase Line Voltage Monitors - Full Performance


Part #	Features & Applications	Specifications	Cross Reference
 24-ICM450	<ul style="list-style-type: none"> Fully Programmable - with LCD diagnostic display. Easy to configure - simple 7-step push-button setup. Easy to customize - set points, variables and features are fully adjustable and may be defined by the user while in control SETUP mode. 25 - fault memory storage, non-volatile. Independent high and low voltage settings - ideal for dual voltage compressor applications. Monitors/ identifies front & back side faults. Reset mode: choice of auto or manual. Protects against: voltage unbalance, high/ low voltage, phase loss, reversal, faulty power, incorrect sequencing and rapid short cycling. Reliable, high temperature LCD to 167°F. Simultaneous voltage display - no scrolling. Line voltage programmable. Universal Voltage Operation: 190-630 VAC. 	<ul style="list-style-type: none"> Voltage: 190-630 VAC. Frequency: 50/ 60 Hz. Voltage Unbalance: adjustable: 2-25%. Control: 18-240 VAC. Delay on break timer: (0.1-10 min.). Output: relay, SPDT N.O.: 10 amps. N.C.: 6 amps. 	Diversified • AC-2020 • AC-301 • AC-302 Motorsaver • 455 SSAC • QLM/ QLV Mark • 265 Wagner • WPC-800 Watsco • EAC-800 • EAC-8000
 24-ICM400	<p>Three-phase line voltage monitor offering full line AND load side protection, fully adjustable, 190-630 VAC (18-240 control VAC)</p> <ul style="list-style-type: none"> Monitors "front" and "back" sides of system Universal voltage operation: 190-630 VAC Knob-adjustable features and system set points Protects against voltage unbalance, high/low voltage, phase loss, phase reversal, faulty power, incorrect sequencing and rapid short cycling 	<ul style="list-style-type: none"> Voltage: 190-630 VAC Frequency: 50/60 Hz Voltage Unbalance: Adjustable: 2-25% Control: 18-240 VAC Delay on Break Timer: 1-5 minutes Output: <ul style="list-style-type: none"> Relay, SPDT N.O.: 10 amps N.C.: 6 amps 	A-1: EAC-800, EAC-8000, EAC-8002 Diversified: AC-2020, AC-301, AC-302 MARS: 32512, 32515, 32516, 32517 Motorsaver: 455 SSAC: QLM/QLV Time Mark: 265 Wagner/ DiversiTech: DTP-3, WPC-800

Phase Loss & Reversal Protection - Ultra Low Cost



Part #	Features & Applications	Specifications	Cross Reference
 24-ICM401	<ul style="list-style-type: none"> Low cost 3-phase protection for single side. Monitors for phase reversal, phase loss, unbalance % as a function of input voltage. Bright LED indicators for ON and FAULT. Universal 3-phase input: 190-600 VAC. Highly reliable passive electronics. IEEE587 transient-tested. Epoxy coated for added protection. Patented: U.S. Patent No. 5,337,206. 24-ICM401 enclosed model (Open 24-ICM403). 3.25" x 3" x 1.25" 	<ul style="list-style-type: none"> Voltage: 190-600 VAC. Frequency: 50/ 60 Hz. Control: 18-30 VAC. Output: relay, SPDT N.O.: 10 amps. 	N/A

Single Phase Monitor

Single-phase line voltage monitor with ASC protection



Part #	Features & Applications	Specifications	Cross Reference
 24-ICM491	<ul style="list-style-type: none"> • Low cost single phase motor protection • Built in anti-short cycle protection • Detects high/low voltage conditions • Helps prevent rapid short cycling • LED indicators: -Green for normal conditions -Red for fault • Heavy duty SPDT, isolated relay output 	<p>Voltage: 95-270 VAC</p> <p>Output:</p> <ul style="list-style-type: none"> - Relay, SPDT - N.C./N.O.: 5 amps <p>Time Delay Range: Adjustable 6-600 seconds</p>	<p>A-1: EAC-401, EAC-402, EAC-403, EAC-404</p> <p>Diversified: CV-100-RS, CV-200-RS15, CV-200-RS20</p> <p>Wagner/DiversiTech: DSP-1</p>

Surge Protection

Part #	Features & Applications	Specifications	Cross Reference
 24-ICM517	<p><i>Suitable for use on a circuit capable of delivering not more than 10,000 rms symmetrical amps, 240 volts max, when protected by a circuit breaker rated 20 to 60 amps maximum and 120 volts minimum.</i></p> <ul style="list-style-type: none"> • Single Phase Surge Protective Device • UL Listed, Type 2 Device • Metal, NEMA Type 3r Rated Enclosure • Rugged, Reliable • Easy Indoor/Outdoor Installation • LED Status Indicators • Backed by a Limited Lifetime Protection Warranty 	<ul style="list-style-type: none"> • Service Voltage: 120/240 volt, single phase • Maximum Surge Current: 100,000 Amps • Maximum Energy Dissipation: 1,020 Joules • Installation Point:- Electrical Panel - Service Disconnect • AC Protection Modes: L-L, L-N, L-G, N-G • Conduit Connection: 3/4" • Dimensions: 5"L x 2.78"W x 2.16"D • Weight: 0.55 lbs. 	<p>Supco: SCM150</p> <p>Supco: SCM Plus</p>
 24-ICM516	<ul style="list-style-type: none"> • Easy installation • Low cost, high performance • Rugged, reliable • UL Listed, Type 2 device • Refrigeration systems • Motors • Air conditioners • Appliances • Electronics 	<ul style="list-style-type: none"> • Service Voltage: 120/240 volt, single phase • Maximum Surge Current: 100,000 Amps • Maximum Energy Dissipation: 1,020 Joules • Installation Point: Electrical panel, inside electrical disconnect • Diagnostics: Green light indicates surge suppression present • AC Protection Modes: L-L, L-G • Conduit Connection: 3/4" • Weight: 0.55 lbs. 	<p>Supco: SCM150, SCM60, SCM Plus</p>


Head Pressure Controls

Dual ON/ OFF Delays Control Fan

Part #	Features & Applications	Specifications	Cross Reference	
 24-ICM325HNVC-LF 120-600VAC	<ul style="list-style-type: none"> • Integral heat pump bypass circuitry allows electronic bypass of speed control. • Eliminates overshoots common to on/off and pressure switch controls. • Helps prevent evaporator freeze-ups, low pressure cut-outs and liquid-slugged compressors in low ambient conditions. • One model covers 120 to 600 VAC. • Features hard start (adj. 1 to 5 sec.), low speed cut-off (adj.), high temperature bypass, isolated 24 VAC supply. • Controls up to 3 refrigerant circuits. • Typical application: heat pumps. • 4.5" x 3" x 1.75". 	Input <ul style="list-style-type: none"> • Control: 18-30 VAC. • Frequency: 50/ 60 Hz. 1.8 VA max. • Line input: 120-600 VAC. Output <ul style="list-style-type: none"> • Max: 10 amps. • Min: 100 mA. 	One ICM model replaces: Ranco • E31 Series Johnson Controls • P66 ACT • FM2000	Hoffman • 800 • 800A • 800AA • 814-50 • 816-10
 24-ICM326HN 120 or 208/ 240 VAC	<ul style="list-style-type: none"> • Built-in transformer eliminates cost, reduces installation time and simplifies wiring. • Helps prevent evaporator freeze-ups, low pressure cut-outs and liquid-slugged compressors in low ambient conditions. • Features hard start, low temperature cut-off, high temperature bypass. • 4.5" x 3" x 2". • Typical application: ideal for heat pumps, line voltage air conditioning and refrigeration. 	24-ICM326H • Control: 120 or 208/ 240 VAC. 24-ICM327H • Control: 480 VAC. • Frequency: 50/ 60 Hz. Output current: • Max: 10 amps. • Min: 100 mA.	Ranco • E31 Series Johnson Controls • P66	Hoffman • 800 • 800A • 800AA • 814-50 • 816-10

Condensation Control System

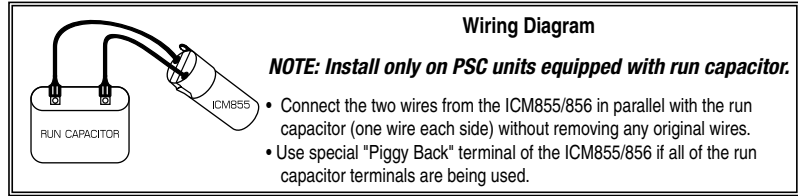
The 24-ICM340 condensate control is used to detect and prevent the overflowing of an evaporator condensation pan. Overflow problems can occur from a slow or blocked condensate drain or condensate pump failure.

Part #	Description	Specifications	
 24-ICM340 Condensate Control	<ul style="list-style-type: none"> • Adjustable delay before break time to prevent nuisance trips. • 24-ICM340 includes: (2) sensors, (2) mounting clips, (2) self-stick adhesive clips, and detailed instructions with diagrams for installation and troubleshooting. • Optional overflow LED (24-ACH55) & LED/ Audible (24-ICM345) accessory kits also available. 	Input <ul style="list-style-type: none"> • Voltage: 18 to 30 VAC. Output <ul style="list-style-type: none"> • 24 VAC to thermostat/ cooling control. • 24 VAC to optional overflow LED. • Rating: 2 amps. Delay Before Trip <ul style="list-style-type: none"> • 1-3 minutes. Operating Frequency <ul style="list-style-type: none"> • 50 to 60 Hz. 	Maximum Operating/Storage Relative Humidity <ul style="list-style-type: none"> • 95% non-condensing. Storage Temperature <ul style="list-style-type: none"> • -40°C to +85°C. Connection Terminals <ul style="list-style-type: none"> • ¼" Quick connects to provide easy hookup. Epoxy Encapsulated Circuit <ul style="list-style-type: none"> • Provides maximum protection against moisture and allows use in extreme environmental conditions.

Standard Hard Start Kits

Applications:

- Low voltage situations.
- Tight or hard starting compressors.
- Use on any single phase A/C & refrigeration unit.



Part #	Features & Applications	Specifications	X-Ref
24-ICM855	<ul style="list-style-type: none"> • PTC - Positive Temperature Coefficient technology. • For PSC units with existing run capacitor only! • OEM approved. • Quick recycling. 	<ul style="list-style-type: none"> • Self-adjusting to voltage fluctuations. • Easy to install, 2 wires (clips or screws). • Boosts starting torque. • Most economical. 	<ul style="list-style-type: none"> • Voltage: 115 to 288 VAC. • Range: 1/2 to 10 HP • Recommended 1.5HP
24-ICM856		<ul style="list-style-type: none"> • Voltage: 115 to 288 VAC. • Range: 1/2 to 10 HP • Recommended 2.5HP 	<p>A-1: WXS-5 MARS: 32701, 35701 Supco: SPP-5 Wagner/DiversiTech: DST-5</p> <p>A-1: WXS-6 MARS: 32702, 35702 Supco: SPP-6 Wagner/DiversiTech: DST-6</p>
24-ICM857	For single-phase commercial and domestic capillary refrigeration systems and freezers	<ul style="list-style-type: none"> • Pre-wired for fast installation • Overload: 12A • 145-175 mfd 	<ul style="list-style-type: none"> • Voltage: 120 to 180VAC. • Range: 1/12HP to 1/5HP <p>MARS: 32481 Supco: RCO810</p>
24-ICM858	For single-phase commercial and domestic capillary refrigeration systems and freezers	<ul style="list-style-type: none"> • Pre-wired for fast installation • Overload: 22A • 243-292 mfd 	<ul style="list-style-type: none"> • Voltage: 120 to 180VAC. • Range: 1/4HP to 1/3HP <p>MARS: 32741 Supco: RCO410</p>
24-ICM859	For single-phase commercial and domestic capillary refrigeration systems and freezers	<ul style="list-style-type: none"> • Pre-wired for fast installation • Overload: 30A • 243-292 mfd 	<ul style="list-style-type: none"> • Voltage: 120 to 180VAC. • Range: 1/3HP to 1/2HP <p>Supco: RCO210</p>

Current Sensing Hard Start Kits

By monitoring the compressor "current" upon start-up, RapidStart® is able to engage the hard start capacitor for precisely the correct amount of time, ensuring maximum starting torque without the risk of supplying too much current into the start winding. A timed safety circuit is provided in the event the motor fails to start within 2 seconds. Current sensing hard start precisely increases starting torque.



Part #	Features & Applications	Specifications	X-Ref.
24-ICM803	<ul style="list-style-type: none"> • Operates from 95 to 288 VAC. • Max input voltage: 502 VAC. • Patented current sensing circuitry. • Self-adjusting to voltage fluctuation. 	<ul style="list-style-type: none"> • Easy to install, 2 wires. • OEM approved. • Solid-state circuitry. • Boosts starting torque. • Disengages upon start. 	<ul style="list-style-type: none"> • Ideally suited for 1/2 thru 3 Hp. • 88 to 106 Mfd. capacitor. <p>Supco: SPP-8 Kickstart: TO5, TO-5</p>
24-ICM805		<ul style="list-style-type: none"> • Ideally suited for 2 thru 5 Hp. • 145 to 175 Mfd. capacitor. 	Kickstart: KS1
24-ICM810		<ul style="list-style-type: none"> • Ideally suited for 3 1/2 thru 10 Hp. • 243 to 292 Mfd. capacitor. 	N/A

Voltage Sensing Hard Start Kits

ICM's differential voltage sensing products employ patented circuitry which monitors differential compressor auxiliary voltage, determines the state of the motor and precisely engages and disengages the start capacitor. A timed safety circuit is provided in the event the motor fails to start within 2 seconds.



Part #	Features & Applications	Specifications	X-Ref.
24-ICM850	<ul style="list-style-type: none"> • Increases starting torque up to 500%. • Ensures precise starts. 	<ul style="list-style-type: none"> • Voltage: 90 to 277 VAC. • Max input voltage: 390 VAC. • Recommended range: Up to 1 1/2 Hp applications. 	<ul style="list-style-type: none"> • Oper. Temp. Range: -40°C to +65°C • 43 to 52 Mfd 330 V Capacitor. <p>Supco: SPP-5 Mars: 32701 A-1: WXS-5</p>
24-ICM860	<ul style="list-style-type: none"> • Reduces inventory. • Not affected by ambient temperature. • Recycles instantly (less than one sec.). 	<ul style="list-style-type: none"> • Voltage: 90 to 277 VAC. • Max input voltage: 390 VAC. • Recommended range: 2 to 5 Hp. 	<ul style="list-style-type: none"> • Oper. Temp. Range: -40°C to +65°C • 88 to 106 Mfd 330 V Capacitor. <p>Supco: SPP-6 Mars: 32702 A-1: WXS-6</p>
24-ICM866U	<ul style="list-style-type: none"> • Multi-voltage operation... either 115 or 240 VAC motors. • Fuse protection. • Not effected by voltage or current fluctuations. 	<ul style="list-style-type: none"> • Multi-voltage operation – 115 or 230 VAC motors • 145-175 µF @ 330V 	<ul style="list-style-type: none"> • Recommended Range: 1/12 to 5HP application • UL Recognized <p>Supco: SPP5, SPP6, SPP5E, SPP6E, SPP7E, SPP8E, SPP9E, SPP10E Kickstart: KS1, TO-5, KS8 5-2-1: CSR-U1, CSR-U2, CSR-U3 Watco: WSX1 MARS: 32708, SS1, SS5, 32703, 32704, 32701, 32702 Diversitech: DST5, DST6</p>

Mounting Brackets

Wall Brackets

Our Wall Bracket provides a quick, safe, and stable way to mount your unit. It allows for easy access during installation, service, and maintenance.

Part #	Description
QSWB1000	Mini Split Wall Bracket
QSWB2000	Wall Bracket w/Rails Light Dty
QSWB3000	Wall Bracket w/Z Bend

NEW!!



Mini-Split Stands

Mini-Split Stands

Our Mini-Split Stands provide a safe, stable, platform to mount your unit on. It keeps unit elevated above lawn mowers, weed whackers, pets, snow, and flooding. The elevated height allows for ease of installation, maintenance and service.



NEW!!

Part #	Description
QSMS1200	Mini-Split Stand Thin - 12"
QSMS1201	Mini-Split Stand Wide - 12"
QSMS1800	Mini-Split Stand Thin - 18"
QSMS1801	Mini-Split Stand Wide - 18"
QSMS2400	Mini-Split Stand Thin - 24"
QSMS2401	Mini-Split Stand Wide - 24"

Mini-Split Dual Fan Stands

Our Mini-Split Dual Fan Stands provide a safe, stable platform to mount your unit on. It keeps unit elevated above lawn mowers, weed whackers, pets, snow, and flooding. The elevated height allows for ease of installation, maintenance and service.



NEW!!

Part #	Description
QSMS1202	Mini-Split Dual Fan Stand - 12"
QSMS1802	Mini-Split Dual Fan Stand - 18"
QSMS2402	Mini-Split Dual Fan Stand - 24"

Hanging Brackets

Quick Swivel "U" Mount w/"H" Bracket

Our Quick Swivel is made of 14-gauge steel able to hold 200 lbs. The swivel allows for 360° rotation for setting the perfect direction of air flow. The "U" mount allows for installation on a flat or pitched roof.



NEW!!

Part #	Description
QSWI1000	Swivel "U" Mount w/H-Bracket

Quick Swivel Flush Mount w/"H" Bracket

Our Quick Swivel is made of 4-gauge steel able to hold 200 lbs. The swivel allows for 360° rotation for setting the perfect direction of air flow. The flush mount installs flush on a flat ceiling.



NEW!!

Part #	Description
QSWI3000	Swivel Flush H Bracket

Quick Swivel Flush Mount w/"I" Bracket

Our Quick Swivel is made of 14-gauge steel able to hold 200 lbs. The swivel allows for 360° rotation for setting the perfect direction of air flow. The flush mount installs flush on a flat ceiling.



NEW!!

Part #	Description
QSWI5000	Swivel Flush Heavy Duty

Features :

- NSF Approved • 100% Silicone • 100% RTV

302 (GP) General Purpose

- Available in multiple colours
- The ideal multiple purpose silicone sealant for all weather applications



Part #	Colour	Size (ml/oz)	Cs. Qty
83-30281	White	83/2.8(squeeze tube)	24
83-30280	Clear	83/2.8(squeeze tube)	24
83-30283	Black	83/2.8(squeeze tube)	24
83-30201	White	300/10.15	12
83-30200	Clear	300/10.15	12
83-30202	Aluminium	300/10.15	12
83-30203	Black	300/10.15	12
83-30205	Almond	300/10.15	12

302 (HT) High Temperature

- Withstands temperatures of 260°C(500°F) constant and 316°C(600°F) intermittent
- An ideal silicone for extreme temperature applications



Part #	Colour	Size (ml/oz)	Cs. Qty
83-30289	Red- HT	83/2.8 (Squeeze Tube)	24
83-30293	Black-HT	83/2.8 (Squeeze Tube)	24
83-30209	Red-HT	300/10.15	12
83-30213	Black-HT	300/10.15	12

Caulking Guns

113 Series

- Economy grade
- 310ml/10.15oz
- Clean out tool on barrel



15-CG000113

138 Series

- Professional grade
- 310ml/10.15oz
- Clean out tool on handle



15-CG000138

MILL-ROSE

Solder Paste Flux

Solder Paste Flux

Clean fit solder paste flux is used in all industries and is a non-aggressive formula used to sweat copper and brass fittings. Not for electronic use unless so stated. The all purpose formula stays stiff in hot weather and stays soft and sticky, even in cold weather.

Solder Paste Flux

Part #	Description
61-70705	1 lb. tub.
61-71030	2 oz. (carded)
61-71031	Solder paste flux kit: includes 2 oz. flux, abrasive cloth, acid brush.



Solder Paste Flux

61-71030
Illustrated

Cool Gel Spray

Heat dissipating spray helps prevent heat damage to components and surrounding materials during soldering, brazing, and welding. It protects painted and finished surfaces from discoloration due to adjacent torch operations. This product also reduces the danger of fire to surrounding surfaces such as studs, drywall, and insulation. The unique non-staining gelled formula sticks to surfaces without dripping or running off and leaves no residue. Safe, nontoxic, and odorless spray liberally on adjacent surfaces needing protection. The spray pattern is adjustable from stream to mist. One quart spray bottles sold in cases of 12.



Part #	Description
15-11509	Cool Gel Spray 12/cs

Bloc-It Paste

Heavy paste effectively absorbs surface heat and protects adjoining surfaces that may be damaged by excessive heat. Typically used to protect rubber, plastic, prevent metal distortion, painted and finished surfaces during soldering, brazing or welding. Safe to use, Bloc-It is nontoxic, harmless to skin, odorless, and does not contain asbestos. Wipe off with cloth or wash with water, Bloc-It will not leave stains. 10 oz. tubes sold in cases of 24.

Part #	Description
15-11511	Bloc-It Heat Absorbing Paste - 10oz 12/cs



Heat Shields

Torch-Guard Solder Heat Shield

Torch-Guards high strength (asbestos free) silica-based woven fibre stands up to and blocks intense heat to ensure flame resistance and liability protection. Flexible and easy to work with, Torch Guard provides heat resistance up to 2000°F or 1500°F continuous use. Soak Torch Guard in water and it may be used for higher temperatures particularly when folded over.

Part #	Description	Applications
61-71032	6" x 12"	• Shield studs, walls, floors and other surfaces from flames, sparks or molten splash during soldering and brazing installations.
61-71034	12" x 12"	

**Heat Resistant
to 2000°F
& Flexible**

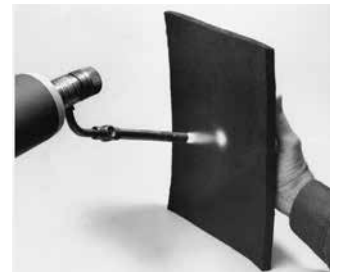


The Insurance Pad™

The Insurance Pad is the ultimate heat shield. Use wet or dry where ever higher temperature protection is required, up to 2500°F. The Insurance Pad is a fibrous felt heat shield with the safest specs in the industry. Repeated use of the product actually increases its heat resistance.

Part #	Description	Applications
61-71036	6" x 9"	• Ideal for use with propane, MAPP gas, acetylene/ air and higher temperature torches.
61-71038	9" x 12"	

**Heat Resistant
to 2500°F**



Flexible Closed Cell Elastomeric Pipe Insulation

- Tubes are black and unslit
- Available in 3/8", 1/2", 3/4" and 1" wall thickness for 1/4" to 3 1/8" OD copper tube size
- Foamed nitrile rubber (NBR)
- Environmentally friendly CFC free
- Temperature range -40°C to 105°C (special build available to -200°C)
- Will not harden or become brittle at temperatures as low as -40°C
- Talc coating on inner surface allows for quick, easy installation over pipes
- Odourless and will not corrode copper
- Standards: CAN/ULC S102.2, ASTM E84, DIN52 218, DIN 52 612, DIN 52 613, DIN 52 615, BS 476 Part 6, BS 476 Part 7, RoHS compliant
- Self-extinguishing fire reaction and will not drip
- Fibre and dust free



Cell Structure	Closed foamed nitrile rubber
Density- KG/M ³	60-80
Thermal Conductivity- W/M-K	0.038
Temperature Limit C°	-40°C to +105°C
Water Absorption	3
Resistance to Ozone	Excellent
Fire Rating	CAN/ULC S102.2, ASTM E84,
Flammability	Self Extinguishing
Fire Propagation	BS 476 part 6&7
Odour	None
Copper Corrosion	No Corrosion
Mildew Resistance	Passed

This product is made from a closed cell elastomeric material. It is soft, flexible, heat and cold resistant, flame retardant, waterproof, shock and sound absorbing. Wraptite Insulation tubes are dust free, fiber free, CFC free, and have an ODP of zero. They are also formaldehyde free, have low VOCs, and are resistant to mold and mildew.

Thickness Recommendations

Environmental Conditions: 27°C/50%RH

Pipe Size	Line Temp			
	14°C (58°F)	7°C (45°F)	5°C (37°F)	-18°C (0°F)
10mm (3/8") I.D. to 76mm (3") I.P.S	9mm (3/8")	9mm (3/8")	9mm (3/8")	19mm (3/4")

Environmental Conditions: 30°C/70%RH

Pipe Size	14°C (58°F)	7°C (45°F)	5°C (37°F)	-18°C (0°F)
10mm (3/8") I.D. to 76mm (3") I.P.S	13mm (1/2")	19mm (3/4")	19mm (3/4")	38mm (1 1/2")

Environmental Conditions: 32°C/80%RH

Pipe Size	14°C (58°F)	7°C (45°F)	5°C (37°F)	-18°C (0°F)
10mm (3/8") I.D. to 76mm (3") I.P.S	13mm (1/2")	19mm (3/4")	19mm (3/4")	38mm (1 1/2")

Environmental Conditions: 32°C/85%RH

Pipe Size	14°C (58°F)	7°C (45°F)	5°C (37°F)	-18°C (0°F)
10mm (3/8") I.D. to 76mm (3") I.P.S	13mm (1/2")	19mm (3/4")	19mm (3/4")	38mm (1 1/2")

		Copper Tube Size		Iron Pipe Size (IPS)		
Alltemp Part #	Wall Thickness	HVAC/R (OD)	Plumbing (ID)	Nominal	Pcs/Ctn	Ft/Ctn
82-PW3814	3/8"	1/4"	-	-	168	1008
82-PW3838	3/8"	3/8"	1/4"	1/8"	120	720
82-PW3812	3/8"	1/2"	3/8"	1/4"	100	600
82-PW3858	3/8"	5/8"	1/2"	3/8"	90	540
82-PW3834	3/8"	3/4"	5/8"	-	72	432
82-PW3878	3/8"	7/8"	3/4"	1/2"	65	390
82-PW38118	3/8"	1 1/8"	1"	3/4"	49	294
82-PW38138	3/8"	1 3/8"	1 1/4"	1"	36	216
82-PW38158	3/8"	1 5/8"	1 1/2"	1 1/4"	30	180
82-PW38218	3/8"	2 1/8"	2"	-	20	120
82-PW38258	3/8"	2 5/8"	2 1/2"	-	18	108
82-PW38318	3/8"	3 1/8"	3"	-	15	90
82-PW1214	1/2"	1/4"	-	-	100	600
82-PW1238	1/2"	3/8"	1/4"	1/8"	90	540
82-PW1212	1/2"	1/2"	3/8"	1/4"	72	432
82-PW1258	1/2"	5/8"	1/2"	3/8"	63	378
82-PW1234	1/2"	3/4"	5/8"	-	56	336
82-PW1278	1/2"	7/8"	3/4"	1/2"	42	252
82-PW12118	1/2"	1 1/8"	1"	3/4"	36	216
82-PW12138	1/2"	1 3/8"	1 1/4"	1"	30	180
82-PW12158	1/2"	1 5/8"	1 1/2"	1 1/4"	25	150
82-PW12218	1/2"	2 1/8"	2"	-	18	108
82-PW12258	1/2"	2 5/8"	2 1/2"	-	13	78
82-PW12318	1/2"	3 1/8"	3"	-	12	72

		Copper Tube Size		Iron Pipe Size (IPS)		
Alltemp Part #	Wall Thickness	HVAC/R (OD)	Plumbing (ID)	Nominal	Pcs/Ctn	Ft/Ctn
82-PW3438	3/4"	3/8"	1/4"	1/8"	36	216
82-PW3412	3/4"	1/2"	3/8"	1/4"	30	180
82-PW3458	3/4"	5/8"	1/2"	3/8"	30	180
82-PW3434	3/4"	3/4"	5/8"	*	25	150
82-PW3478	3/4"	7/8"	3/4"	1/2"	24	144
82-PW34118	3/4"	1 1/8"	1"	3/4"	20	120
82-PW34138	3/4"	1 3/8"	1 1/4"	1"	16	96
82-PW34158	3/4"	1 5/8"	1 1/2"	1 1/4"	16	96
82-PW34218	3/4"	2 1/8"	2"	*	12	72
82-PW34258	3/4"	2 5/8"	2 1/2"	*	9	54
82-PW34318	3/4"	3 1/8"	3"	*	8	48
82-PW138	1"	3/8"	1/4"	1/8"	30	180
82-PW112	1"	1/2"	3/8"	1/4"	24	144
82-PW158	1"	5/8"	1/2"	3/8"	20	120
82-PW134	1"	3/4"	5/8"	*	20	120
82-PW178	1"	7/8"	3/4"	1/2"	18	108
82-PW1118	1"	1 1/8"	1"	3/4"	16	96
82-PW1138	1"	1 3/8"	1 1/4"	1"	12	72
82-PW1158	1"	1 5/8"	1 1/2"	1 1/4"	12	72
82-PW1218	1"	2 1/8"	2"	*	9	54
82-PW11258	1"	2 5/8"	2 1/2"	*	8	48
82-PW1318	1"	3 1/8"	3"	*	6	36

Rubberized Cork Insulation Tape



84-PT-30
Illustrated

Wraptite Rubberized Cork Insulation Tape

Formulated to provide insulation and to prevent condensation on hot or cool pipes, fittings and tubing used in heating, air conditioning, refrigeration and plumbing applications. Cork Insulation Tape adheres well to most clean, dry surfaces and to itself, making it possible to apply more than one layer without adding fasteners or adhesives.

It is sufficiently soft and pliable enabling it to be molded around most fittings or connections. The material retains its flexibility and adhesion after prolonged exposure to UV and over a service temperature range of -29°C to 88°C (-20°F to 190°F). Cork Insulation Tape is black in colour and has a grainy, rubber-like consistency which is non-toxic and non-asbestos.

Cork Tape

Part #	Description
84-PT-30	1/8" x 2" x 30' Roll

Foam Insulation Tape



84-FT-30
Illustrated

Wraptite Foam Insulation Tape

Foam Insulation Tape is designed to seal, insulate and isolate vibration in air conditioning and refrigeration applications. The soft, flexible, closed cell sponge tape with paper covered self-adhesive backing seals out air and moisture while reducing heat loss or transfer. Cold water pipes, valves, chilled water and refrigeration lines can be wrapped to prevent sweating or condensation while hot water pipes and pipe heaters can be wrapped to insulate against heat loss.

Easily applied by hand, Wraptite Foam Insulation Tape adheres well to most clean, dry surfaces and to itself, making it possible to apply more than one layer. The formulated operating temperature of Wraptite Foam Insulation Tape is between -34°C to 82°C (-30°F to 180°F) with the ability to intermittently tolerate temperature of 98°C (210°F).

Foam Tape

Part #	Description
84-FT-30	1/8" x 2" x 30' Roll

Slugs & Cords



84-PC-30
Illustrated

84-PS-30
Illustrated

Wraptite Slugs & Cords

Sealing slugs & cord are soft, permanently pliable, water-resistant sealants having a wide variety of applications. The product has the unique quality of retaining the same consistency throughout its application range of -7°C to 60°C (20°F to 140°F). Non-asbestos and non-hardening, remains flexible to -7°C (-20°F).

Sealing slugs & cords are used widely in the air conditioning and refrigeration industries to seal around outer cases, behind hinges and under breaker strips. They can be used to seal out air or moisture around utility panels, cables, ducts, window frames and metal joints. This product adheres to metal, wood, glass, plastic and most clean surfaces to provide an effective barrier against water, moisture, dirt and dust. It is non-staining, non-bleeding, odorless and can be painted.

Slugs & Cords

Part #	Description
84-PC-30	3/8" x 25' Cord
84-PS-30	2 lb. Slug
84-PS30-B	50 lb. Bulk Slug



Wraptite's Standard Packaging

Includes, directions, bar-coding and complete product line descriptions both in French & English.

Fast, Easy Plumbing Connection Solutions.

No need for solder or glue. Simply push the pipe into the fitting for a strong, leak-proof connection.

- Works on copper, CPVC, and PEX pipe
- Lead free
- Rated to 200psi & 200°F
- For use on potable or hydronic water systems

Straight Connectors - Push-Fit Quick Connection

Part #	Description
02-07500R	1/2" quick connect coupling
02-07501R	3/4" quick connect coupling
02-07532R	1" quick connect coupling
Reducing Couplings	
02-07579R	1/2" x 3/8" comp quick connect straight coupling
02-07502R	3/4" x 1/2" quick connect reducing coupling
02-07533R	1" x 3/4" quick connect reducing coupling



Straight Connectors - FNPT to Push-Fit

Couplings	
Part #	Description
02-07503R	1/2" x 1/2" FPT to quick connect straight adapter
02-07504R	3/4" x 3/4" FPT quick connect straight adapter
02-07534R	1" x 1" FPT quick connect straight adapter
Reducing Couplings	
02-07507R	1/2" x 3/4" FPT quick connect straight adapter
02-07570R	3/4" x 1/2" FPT quick conn straight adapter



Straight Connectors - MNPT to Push-Fit

Couplings	
Part #	Description
02-07505R	1/2" x 1/2" MPT quick connect straight adapter
02-07506R	3/4" x 3/4" MPT quick connect straight adapter
02-07535R	1" x 1" MPT quick connect straight adapter
Reducing Couplings	
02-07508R	1/2" x 3/4" MPT quick connect straight adapter
02-07571R	3/4" x 1/2" MPT quick connect straight adapter
02-07536R	1" x 3/4" MPT quick connect straight adapter



Elbow Connectors- Push-Fit to Push-fit/FNPT/MNPT

Elbow Connectors	
Part #	Description
02-07509R	1/2" quick connect elbow
02-07510R	3/4" quick connect elbow
02-07537R	1" quick connect elbow
02-07511R	3/4" x 1/2" quick connect elbow
02-07513R	1/2" x 1/2" FPT to quick connect elbow
02-07512R	1/2" x 1/2" MPT to quick connect elbow



02-07509R



02-07512R



02-07513R



02-07514R

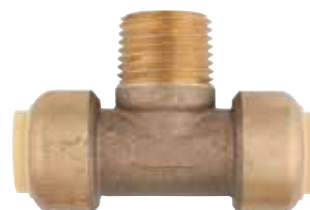
Elbow Drop Ear Connectors	
Part #	Description
02-07514R	1/2" x 1/2" quick connect elbow, drop ear

Tee Connectors - Push-Fit to Push-fit/MNPT

Tee Connectors - Push-Fit to Push-Fit	
Part #	Description
02-07515R	1/2" quick connect tee
02-07516R	3/4" quick connect tee
02-07517R	3/4" x 3/4" x 1/2" quick connect reducing tee
02-07519R	3/4" x 1/2" x 1/2" quick connect reducing tee
02-07518R	3/4" x 1/2" x 3/4" quick connect reducing tee
02-07538R	1" quick connect tee
02-07539R	1" x 1" x 3/4" quick connect reducing tee



02-07515R



02-07578R

Tee Connectors - MNPT to Push-Fit	
Part #	Description
02-07578	1/2" X 1/2" x 1/2" MPT quick connect reducing tee

Slip Connectors- Push-Fit to Push-fit

Slip Couplings - Push-Fit	
Part #	Description
02-07528R	1/2" quick connect repair slip coupling
02-07529R	3/4" quick connect repair slip coupling
02-07543R	1" quick connect repair slip coupling



02-07528R

Slip Connectors- Push-Fit to Push-fit

End Stops - Push-Fit	
Part #	Description
02-07520R	1/2" quick connect endstop
02-07521R	3/4" quick connect endstop
02-07540R	1" quick connect endstop



02-07520R

Ball Valves - Compression fitting, Push Fit, FNPT

Mini Ball Valves - Compression to Push-Fit

Part #	Description
02-07546R	1/2" x 3/8" compression to quick connect straight
02-07545R	1/2" x 3/8" compression to quick connect angled
02-07565R	1/2" x 1/4" compression to quick connect straight
02-07564R	1/2" x 1/4" compression to quick connect angled

Mini Ball Valves - Push-Fit to Push-Fit

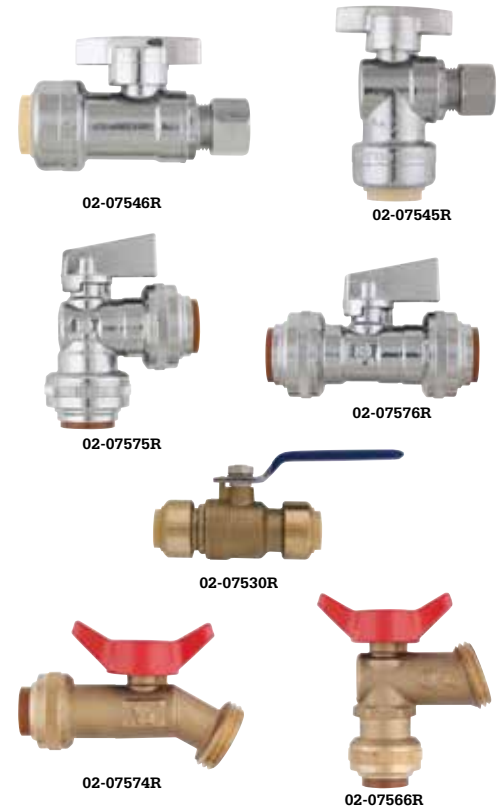
Part #	Description
02-07575R	1/2" quick connect angled
02-07576R	1/2" quick connect straight

Ball Valves - Push-Fit to Push-Fit

Part #	Description
02-07530L	1/2" quick connect ball valve no drain
02-07531L	3/4" quick connect ball valve no drain
02-07544L	1" quick connect ball valve no drain

Sediment Ball Valves - FNPT to Push-Fit

Part #	Description
02-07566L	1/2" quick 1/4 turn sediment valve
02-07574L	1/2" quick 1/4 turn sediment valve



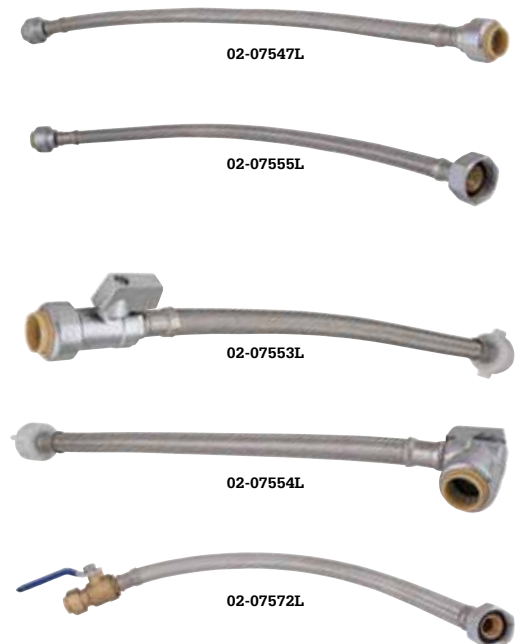
Flexible Stainless Steel Hoses

Steel Hoses - Push-Fit to Push-Fit & FNPT

Part #	Description
02-07547L	18" - 1/2" quick connect to 1/2" quick connect
02-07548L	18" - 3/4" quick connect to 3/4" quick connect
02-07555L	18" - 1/2" quick connect to 3/4" FPT
02-07556L	18" - 3/4" quick connect to 3/4" FPT
02-07568L	24" - 1/2" quick connect to 3/4" FPT
02-07569L	24" - 3/4" quick connect to 3/4" FPT

Steel Hoses c/w Shut off Valves - Push-Fit to FNPT

Part #	Description
02-07549L	12" - 1/2" straight mini valve x 1/2" FPT
02-07551L	12" - 1/2" angle mini valve x 1/2" FPT
02-07553L	12" - 1/2" straight mini valve x 7/8" FPT
02-07554L	12" - 1/2" angle mini valve x 7/8" FPT
02-07552L	18" - 1/2" angle mini valve x 1/2" FPT
02-07572L	18" - 1/2" quick connect straight valve x 3/4" FPT
02-07573L	18" - 3/4" quick connect straight valve x 3/4" FPT



Quick Connect Fittings

Water Hammers - Push-Fit & Compression Fit

Water Hammers	
Part #	Description
02-07563R	1/2" quick connect AA water hammer
02-07562R	1/2" quick connect to 3/8" compression straight mini ball valve
02-07561R	1/2" quick connect to 3/8" compression angled mini ball valve



02-07563R



02-07562R



02-07561R

Accessories

Deburring Tool	
Part #	Description
02-07523R	Deburring tool



02-07523R



02-07524R

Disconnecting Clips & Tongs	
Part #	Description
02-07524R	1/2" disconnecting clip 1/pk
02-07526R	3/4" disconnecting clip 1/pk
02-07541R	1" disconnecting clip 1/pk
02-07525R	1/2" disconnecting tongs 1/pk
02-07527R	3/4" disconnecting tongs 1/pk
02-07542R	1" disconnecting tongs 1/pk



02-07525R

Inserts - Quick Connect

Inserts - Plastic	
Part #	Description
02-07558R	1/2" quick connect plastic insert 3/pk
02-07559R	3/4" quick connect plastic insert 3/pk
02-07560R	1" quick connect plastic insert 3/pk



02-07558R

Inserts - Quick Connect

Kit	
Part #	Description
02-07522	1/2" & 3/4" fittings assortment



02-07522



Service & Shop Wipers

Reclaimed rags are sold by net weight for maximum value. Buttons and zippers have been removed. Service & shop wipers use a highly specialized packaging system, which compresses wiping rags into small, compact, clear plastic packages. These packages hold numerous benefits over corrugated boxes.

Package Features

- Compact: 50% space savings.
- Save money on storage.
- Save money on transport.
- Waterproof.
- Stackable.
- Easy-to-handle.
- Extremely attractive for resale purposes.
- Hassle-free dispensing design.

Heavy Duty Service & Shop Rags

Coloured rags equivalent to soft, thick, fleece like sweatshirt material.

Part #	Description	Weight
13-546-5	5 lbs. service size pack.	5 (lbs.)
13-546-10	10 lbs. service size pack.	4.5 kg (10 lbs)
13-546-25	25 lbs. shop size pack.	11.3 kg (25 lbs)

Heavy Duty

- Soft, general purpose wiping cloths are an ideal medium weight rag for absorbing or cleaning liquids, oils and grease. Perfect for auto shops and HVAC/R contractors.

Medium Duty Service & Shop Rags

Coloured rags, similar to balbriggan or Polo cotton T-shirt material.

Part #	Description	Weight
13-536-10	10 lbs. service size pack.	4.5 kg (10 lbs)
13-536-25	25 lbs. shop size pack.	11.3 kg (25 lbs)

Medium Duty

- Low cost, no lint, light weight general purpose shop rags. A good general purpose, medium quality wiper at a relatively low cost.

Light/ Medium Duty Service & Shop Rags

Lightly coloured, near white cotton blend rags, similar to dress shirts or linen sheet material.

Part #	Description	Weight
13-538-10	10 lbs. service size pack.	4.5 kg (10 lbs)
13-538-25	25 lbs. shop size pack.	11.3 kg (25 lbs)

Light/ Medium Duty

- Low cost, no lint, light weight general purpose shop rags. A good general purpose wiper at a relatively low cost.

Sizes

Service Package

13-536-10
10 lbs. Package



Shop Package

13-536-25
25 lbs. Package



Super Seal® Leak Sealants

Super Seal Flex-Inject®

Super Seal Flex Inject® is the fastest, most effective proven way to permanently seal and prevent minor air conditioning and refrigeration (AC/R) leaks. With no tools or gauges required, the Flex Inject® sealant works by travelling through the system with the oil and refrigerant fixing leaks immediately (up to 300 microns). Flex Inject® works with all compressors, heat pumps, condensers, and other system components and it will not plug up manifold gauges, metering devices, thermostatic expansion valves (TXVs), pistons or cause cap tube blockages. It meets the ASHRAE ARI 700 refrigerant standard and is compatible with any refrigerant including R-410A with no pump downs or recoveries required. Flex Inject® is suitable for use in aluminum and copper coils and is microchannel friendly.



NEW!!

Part #	Description
985	Super Seal Flex Inject®

Super Seal Advanced™ — AC/R Stop Leak + Dry R™

- Fast install – no pump down or recovery, even on R410A
- Ideal for all systems including microchannel, heat pump, & geothermal
- DRY R™ eliminates moisture & increases efficiency
- Compatible with all oils & refrigerants



NEW!!

Part #	Description
947KIT	Super Seal Advanced™ - Small Systems
944KIT	Super Seal Advanced™ - Medium Systems
948KIT	Super Seal Advanced™ - Large Systems

Super Seal Sure Shot™ — AC/R Stop Leak + Eco Boost

Super Seal Sure Shot™ is a compressor-friendly method of permanently sealing leaks in AC/R systems. Eco Boost reduces noise and energy consumption, extends compressor life, plus eliminates 10 drops of water. It also enhances sealant performance, increases drier efficiency, while preventing acid/waxing formation.



NEW!!

Part #	Description
983KIT	Super Seal Sure Shot™

Super Seal Total™ — AC/R Stop Leak + Dry R™ & Flash

- All the benefits of SUPER SEAL ADVANCED™ + FLASH™ UV dye to find larger leaks



NEW!!

Part #	Description
971KIT	Super Seal Total™ - Small Systems
972KIT	Super Seal Total™ - Medium Systems

Super Seal Sure Shot™ Replacement Syringe

- Permanently seals & prevents leaks in AC/R systems
- Eco Boost reduces noise & eliminates moisture
- Polymer-free, compatible with all oils & refrigerants



NEW!!

Part #	Description
984	Sure Shot™ Replacement Syringe

Super Seal Ultra™ Dry and Seal in 3 Easy Steps

- Ultra sealing power and moisture eliminator
- Faster - no recovery, no pump down
- Prevents acid and waxing formation
- Dissolves blockages and frees up TEV's
- Contaminant-free
- Compatible with all oils and refrigerants
- Eliminates 60 drops of water
- Hose included



NEW!!

Part #	Description
D-979KIT	Super Seal Ultra™

Dry R™ System Saver

- Eliminates moisture & increases efficiency
- Dissolves blockages & frees up TXVs
- Prevents acid & waxing formation
- Compatible with all oils & refrigerants



NEW!!

Part #	Description
973KIT	Dry R™ Moisture Eliminator

Super Change™ — R22 System Retrofit

- Eliminates oil change out
- Replaces R22 line set conversion flush
- Ideal for dry charged units, retrofits, & drop-in refrigerants
- Maximizes oil return & heat transfer, including POE charged compressors



NEW!!

Part #	Description
981	Super Change™

Flash™

High Res, No Mess UV Dye

- Flashes into refrigerant as a mist - instant distribution
- Highly stable - will not react with moisture
- No dye injector needed - clean, no mess installation
- Compatible with all oils and refrigerants



NEW!!

Part #	Description
980	Flash® UV Dye Only
20122	Reusable hose - Sold Separately

Flash™

UV Leak Detection Kits

- 3 cans of Flash™ dye
- Reusable clear hose
- Heavy-duty storage case
- Choice of UV light



NEW!!

Part #	Description
98084KIT	MINI Pro 84- SEEKERmini™ included
98087KIT	MAXI Pro 87 - SEEKERmax™ included

SEEKERmini™

- High-powered UV LED
- High, low, or strobe light
- Focusable beam
- Rugged aluminum body
- 3 AAA batteries included
- No UV enhancing glasses needed



NEW!!

Part #	Description
84DCPLUS	SEEKERmini™

SEEKERmax™

- Rechargeable 2200 mAh lithium-ion battery
- High-powered UV LED
- High, low, or strobe light
- Focusable beam
- Rugged aluminum body
- No UV enhancing glasses needed



NEW!!

Part #	Description
87DCPLUS	SEEKERmax™

Clipstrip™

Clipstrip™ is a powerful pocket light available in 140 lumens that includes a magnetic clip. It is available in yellow or camo and AAA batteries are included.



NEW!!

Part #	Description
111112	Clipstrip™ Pocket Light
111116	Clipstrip™ Pocket Camo Light

Clipstrip™ Aqua

- Waterproof & floating
- Strip array LED technology
- Rechargeable 2200 mAh lithium-ion battery
- Magnet and belt clip included



NEW!!

Part #	Description
111113	Clipstrip™ Aqua

Pivot™

The Pivot™ is a light that has a 360° swivel hook with 240 lumens and magnetic back and base. Three AA batteries included.



NEW!!

Part #	Description
111114	Pivot™ Worklight

PIVOT™ 33

The Pivot™ 33 is a light that has a 360° swivel hook with 160 lumens and magnetic back and base. Lights on front and top with three AA batteries included. Available in yellow or camo.



NEW!!

Part #	Description
24_458	Pivot™ 33 Worklight
24_460	Pivot™ 33 Camo Worklight

PIVOT™ MINI

The Pivot™ Mini is a light that has a 360° swivel hook with 120 lumens and magnetic back and base. Lights on front and top with three AAA batteries included.



NEW!!

Part #	Description
111115	Pivot™ Mini Pivoting Worklight
111117	Pivot™ Mini Pivoting Worklight, Camo

The Purifier - Fresh Air and Ozone Machine

- Eliminates mold, mildew, & bacteria from A/C systems & cabin interiors
- Removes offensive & stubborn odors such as tobacco smoke
- Completes most jobs in only 20 minutes
- Programmable timer with LCD display
- Zero maintenance, no consumables

Specifications

- Weight: 5 lbs | 2.3 kg
- Dimensions: 5.5" H x 5.5" W x 13.5" L
14 cm x 14 cm x 34 cm
- Power: AC (100-240 V) & DC



NEW!!

Part #	Description
170AIR	The Purifier



ODOR~AID™ Disinfect & Deodorize

- Eliminates bacteria, germs, & micro-organisms that cause offensive odors
- Eliminates mold, mildew, & viruses
- Deodorizes & disinfects cabin interiors



NEW!!

Part #	Description
171AIR	Disinfectant Spray

Valve Core Remover

- Dual O-rings for maximum sealing
- Angled design – greater flow for faster recovery & charging
- Precision-machined ball valve
- Light weight & chrome plated brass cast
- Stainless steel torque driver



NEW!!

Part #	Description
301	Valve Core Removal Tool

Spark-Key™

- Ignites all butane, propane, & gas torches
- Water-resistant & no batteries required
- 100,000 plus sure-fire sparks



NEW!!

Part #	Description
580500	Spark-Key™
580512	Spark-Key™ 12 Pack Counter Display

Spray Nine - Premium Multi-Purpose Cleaner/ Degreaser/ Disinfectant

Spray Nine - The First & Still The Best!

Spray Nine cleans hard surfaces such as stainless steel, plastic, tile, rubber, vinyl, fiberglass, porcelain and formica with "spray on, wipe off" ease.

Digs Out Tough Soils Fast!

Enriched with a powerful germicidal, Spray Nine can be used to disinfect and deodorize hospitals, nursing homes, schools, and other institutions where housekeeping is of prime importance. Also controls mold and mildew while destroying bacterial odors.

30 second disinfecting time*!

When used as directed, Spray Nine will disinfect hard non-porous surfaces such as walls, floors, tables, chairs and countertops. Spray Nine kills many bacteria and destroys powerful odors. Used as a hospital grade disinfectant, Spray Nine has been registered by Health and Welfare Canada to kill HIV-1 virus (associated with AIDS), Salmonella, Staphylococci, and Pseudomonas on inanimate surfaces in just 30 seconds. Used regularly, Spray Nine greatly reduces the risk of cross infection.

* Most disinfectant products require a 10 minute contact time to kill germs.



Spray Nine

Part #	Description	Package
15-C26822	650 ml pump bottle	12/ctn
15-26832	946 ml spray bottle	12/ctn
15-26804	4 L jug	4/ctn

Degreasers / Multi Purpose

Spray Nine - Industrial Multi-Purpose Cleaner/ Degreaser

Spray Nine Industrial - The In-process Cleaning & Degreasing Solution!

No other product removes really tough industrial soils as quickly and effectively from manufacturing equipment, engines and machinery to countertops, floors and even washrooms as Spray Nine Industrial. The ready to use formula saves time, labour and money by effectively serving as a all in one cleaner.

Spray Nine - Industrial

Part #	Description	Package
15-13532	946 ml spray bottle	12/ctn



15-13532
Illustrated

Penetrating Oil & Lubricants

Break•Away

Fast Penetrating Oil

Brake•Away is a pure oil-based product that penetrates faster and lubricates longer. It leaves a thicker, longer lasting film vs. light duty solvent-based water displacement formulas. Brake•Away is famous for completing the cycle of lubrication and reducing the coefficient of friction on hot or cold moving parts. Whether it be freeing frozen parts, lubricating moving components or protecting tools and equipment from rust or corrosion, Brake•Away's fast penetrating oil is your anywhere, anytime solution. Contains no ozone depleting CFC's. (pin point applicator straw included).

Part #	Description	Package
15-C10	369g aerosol can style	12/ctn

15-C10
Illustrated



Silicone Spray

Synthetic Polymer Lube - The Heavy Duty, Industrial Grade Lubricant!

Silicone Spray's industrial grade formula is an extra heavy-duty concentrate of high quality silicone for maximum performance. Silicone Spray lubricates mechanical parts, conditions rubber, waterproofs and protects against rust or corrosion. Silicone is a stain-free synthetic polymer lubricant that virtually dries to the touch. It reduces friction and lubricates without petroleum oil or grease. Contains no ozone depleting CFC's. (pin point applicator straw included).

Part #	Description	Package
15-C33	450 ml aerosol can style	12/ctn

15-C33
Illustrated



White Grease

Heavy Duty Lithium Plus Teflon®

White Grease is a uniquely blended grease that sprays on as a liquid, penetrates and then sets up as a lubricating grease to reduce wear, stop squeaks and repel moisture. Once set-up White Grease remains soft and pliable without drying out. Excellent for applications with close tolerances where metal to metal or metal to plastic lubrication and lasting protection are desired. White Grease works well in both high or low temperatures and in all types of weather. Contains no ozone depleting CFC's. (pin point applicator straw included).

Part #	Description	Package
15-C34	443.5 ml aerosol can style	12/ctn

15-C34
Illustrated



Lubricants & Protectants

EZ Telescopic Oiler

The Finest All-Purpose Industrial Oil

The telescoping Spout That Reaches Everywhere! Telescopic Oiler's are specially formulated to reduce wear on moving parts. The oil contains superior additives with anti-rust properties preventing corrosion. The convenient retractable spout makes it easy to get to those hard to reach places.

Part #	Description	Package
10-ZS75	118 ml telescopic bottle	12/ctn

10-ZS75
Illustrated



EZ Rust Breaker

The Finest All-Purpose Industrial Oil

Alltemp's Rust Breaker is specially formulated to quickly loosen rust and frozen parts. Rust Breaker's demineralizing agents act as a penetrating oil and superior rust inhibitor. The telescoping spout reaches everywhere! The convenient retractable spout makes it easy to get to those hard to reach places.

Part #	Description	Package
10-RB75	118 ml telescopic bottle	12/ctn

10-RB75
Illustrated



Plastic Thermostat Guards

Features

- Hi-impact plastic guards.
- Horizontal and vertical mounting.
- Heavy duty lock and key.
- Comes with complete mounting hardware.
- Each model includes a ring & solid base.
- Colour - clear cover with off white base.



77-PG3
Illustrated



585-TG6
Illustrated



585-TG2
Illustrated



77-PG12
Illustrated

Mounting Base Types
All mounting bases are plastic.



Reduce Inventory!

Our thermostat guards come complete with hardware, ring and solid bases.

Plastic Thermostat Guards

Part #	Base	Inside Dimensions			Cross Reference	
		L	W	D		
77-PG3	Ring	3.75"	3.50"	2.62"	BTG-EK	F29-0252
	Solid	4.00"	4.00"	2.50"	ECST	029-0178 029-0179
585-TG2	Ring	5.25"	4.62"	3.12"	BTG-K	F29-0251
	Solid	5.75"	5.00"	2.81"	KCBT	F29-0257
585-TG6	Ring	6.31"	3.62"	3.06"	BTG-RK	F29-0253
	Solid	6.62"	4.12"	2.75"	RCBT	029-0143
77-PG12	Ring	8.18"	4.62"	3.56"	BTG-UK	F29-0254
	Solid	8.50"	5.00"	3.87"	UCBT	029-0198

Metal Thermostat Guards

Features

- Durable metal guards.
- Horizontal and vertical mounting.
- Heavy duty lock and key.
- Comes with complete mounting hardware.
- Each model includes a ring & solid base.*
- Colour - off white cover with off white base.

Mounting Base Types

77-MG3 Plastic
77-MG6 Plastic
77-MG9 Metal
77-MG12R Metal
77-MG12S Metal



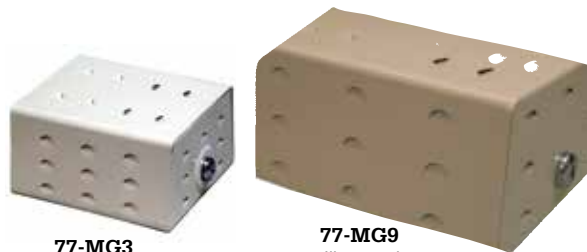
Reduce Inventory!

Our thermostat guards come complete with hardware, ring and solid bases.

Metal Thermostat Guards

Part #	Base	Inside Dimensions			Cross Reference	
		L	W	D		
77-MG3	Ring	5.31"	4.31"	3.00"	BTG-KWM	KMRT
	Solid	5.62"	5.12"	2.87"	BTG-KM	KMST
77-MG6	Ring	6.31"	3.62"	3.18"	BTG-EM	EMST
	Solid	6.62"	4.12"	3.75"	BTG-RM BTG-RWM	RMRT
77-MG9	Ring	6.75"	4.50"	3.43"	BTG-UWM	UMRT
	Solid	7.18"	5.25"	3.43"	BTG-UM	UMST
77-MG12R*	Ring	6.12"	3.81"	3.12"	BTG-54VLW	F29-0256
77-MG12S*	Solid	6.37"	4.25"	3.00"	BTG-54VL	F29-0255

* Hinged metal guards do not come with both bases.



77-MG3
Illustrated



77-MG9
Illustrated



77-MG6
Illustrated



77-MG12R - Hinged
Illustrated

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02-07520R	40	11-U065NA1	12	41-RMF-110170	22	59-NT6220GKV2	3	DP-2P20A240	23	111115	46	MP-6E	13
02-07521R	40	11-U065P	12	41-RMF-150225	22	59-NT6222GKV2	3	DP-2P25A120	23	111116	46	MP-8	13
02-07522	42	13-536-10	43	41-RMF-190275	22	61-70705	35	DP-2P25A24	23	111117	46	MP-8C	13
02-07523R	42	13-536-25	43	41-RMF-300400	22	61-71030	35	DP-2P25A240	23	580500	47	MP-12	13
02-07524R	42	13-538-10	43	41-RMH-250180	22	61-71031	35	DP-2P30A120	23	580512	47	MP-12C	13
02-07525R	42	13-538-25	43	41-RMH-325225	22	61-71032	35	DP-2P30A24	23	98084KIT	45	MP-12E	13
02-07526R	42	13-546-10	43	41-RMH-350250	22	61-71034	35	DP-2P30A240	23	98087KIT	45	MP-18	13
02-07527R	42	13-546-25	43	41-RMH-375275	22	61-71036	35	DP-2P40A120	23	DIVERSITECH		MP-18C	13
02-07528R	40	13-546-5	43	41-RMH-400200	22	61-71038	35	DP-2P40A24	23	11	MP-18E	13	
02-07529R	40	15-11509	35	41-RMH-400300	22	77-MG3	50	DP-2P40A240	23	6-12-6NM	11	QSMS1201	33
02-07530L	41	15-11511	35	41-RMH-425325	22	77-MG6	50	DP-3P20A120	24	6-12-6NMVR	11	QSMS1800	33
02-07531L	41	15-13532	48	41-RMH-600475	22	77-MG9	50	DP-3P20A24	24	6-34-6NM	11	QSMS1801	33
02-07532R	39	15-26804	48	41-RML-520	22	77-MG12R	50	DP-3P20A240	24	7-10	16	QSMS1802	33
02-07533R	39	15-26832	48	41-RML-1025	22	77-MG12S	50	DP-3P25A120	24	7-10P	16	QSMS2401	33
02-07534R	39	15-C10	49	41-RML-1535	22	77-PG3	50	DP-3P25A24	24	7-12	16	QSMS2402	33
02-07535R	39	15-C33	49	41-RML-1555L	22	77-PG12	50	DP-3P25A240	24	7-12P	16	QSWB2000	33
02-07536R	39	15-C34	49	41-RML-2045	22	82-PW112	37	DP-3P30A120	24	7-14	16	QSWB3000	33
02-07537R	40	15-CG000113	34	41-RML-2580	22	82-PW134	37	DP-3P30A24	24	7-14P	16	QSWI3000	33
02-07538R	40	15-CG000138	34	41-RML-3560	22	82-PW138	37	DP-3P30A240	24	7-34P	16	ST75	18
02-07539R	40	24-ICM102	28	41-RML-4080	22	82-PW158	37	DP-3P40A120	24	7-34P	16	UC1636-2	14
02-07540R	40	24-ICM175	29	41-RML-4560	22	82-PW178	37	DP-3P40A24	24	7-38	16	UC2424-2	14
02-07541R	42	24-ICM203	28	41-RML-75100	22	82-PW1118	37	DP-3P40A240	24	7-38P	16	UC2424-3	14
02-07542R	42	24-ICM220	28	41-RML-90120F	22	82-PW1138	37	DP-3P50A120	24	7-58	16	UC2424-3CA	15
02-07543R	40	24-ICM325HNC-LF	31	41-RMM-350	22	82-PW1158	37	DP-3P50A24	24	7-58P	16	UC2430-2	14
02-07544L	41	24-ICM326HN	31	41-RMM-410	22	82-PW1212	37	DP-3P50A240	24	7-78	16	UC2436-2	14
02-07545R	41	24-ICM340	31	41-RMM-430	22	82-PW1214	37	DP-3P60A120	24	7-78P	16	UC2436-3CA	15
02-07546R	41	24-ICM400	29	41-RMM-440	22	82-PW1218	37	DP-3P60A24	24	7-CVMINITUBE	16	UC2448-2	14
02-07547L	41	24-ICM401	29	41-RMM-600	22	82-PW1234	37	DP-3P60A240	24	230-CP3	20	UC2448-3CA	15
02-07548L	41	24-ICM450	29	47-5022-S	7	82-PW1238	37	DP-3P75A120	24	230-CP4	20	UC2626-2	14
02-07549L	41	24-ICM491	30	47-5023-S	7	82-PW1258	37	DP-3P75A24	24	230-CP6	20	UC2628-2	14
02-07551L	41	24-ICM516	30	47-5024-S	7	82-PW1278	37	DP-3P75A240	24	230-D3	20	UC3030-2	14
02-07552L	41	24-ICM517	30	47-5025-S	7	82-PW1318	37	DP-3P90A120	24	230-D4	20	UC3030-3	14
02-07553L	41	24-ICM803	32	47-5026-S	7	82-PW3412	37	DP-3P90A24	24	230-D6	20	UC3030-3CA	15
02-07554L	41	24-ICM805	32	47-5027-S	7	82-PW3434	37	DP-3P90A240	24	230-EB3	20	UC3036-2	14
02-07555L	41	24-ICM810	32	47-5028-S	7	82-PW3438	37	DP-4P20A120	25	230-FB4	20	UC3036-3CA	15
02-07556L	41	24-ICM850	32	47-8267-S	7	82-PW3458	37	DP-4P20A24	25	230-FB3	20	UC3040-2	14
02-07558R	42	24-ICM855	32	47-8268-S	7	82-PW3478	37	DP-4P20A240	25	230-FB4	20	UC3132-3L	15
02-07559R	42	24-ICM856	32	48-1911	6	82-PW3812	37	DP-4P25A120	25	230-FB6	20	UC3143-2	14
02-07560R	42	24-ICM857	32	48-1917	6	82-PW3814	37	DP-4P25A24	25	230-ICB3	20	UC3232-2	14
02-07561R	42	24-ICM858	32	48-1918	6	82-PW3834	37	DP-4P25A240	25	230-ICB4	20	UC3234-2	14
02-07562R	42	24-ICM859	32	48-1920	6	82-PW3838	37	DP-4P30A120	25	230-LFB3	20	UC3237-3	14
02-07563R	42	24-ICM860	32	48-1921	6	82-PW3858	37	DP-4P30A24	25	230-LFB4	20	UC3434-2	14
02-07564R	41	24-ICM866U	32	48-3212	6	82-PW3878	37	DP-4P30A240	25	230-PFB3	20	UC3445-2	14
02-07565R	41	24-UMSR50	28	48-3700	4	82-PW11258	37	DP-4P40A120	25	585-TG2	50	UC3636-2	14
02-07566L	41	25-90290	27	48-3701	4	82-PW12118	37	DP-4P40A24	25	585-TG6	50	UC3636-3	14
02-07568L	41	25-90291	27	48-3702	4	82-PW12138	37	DP-4P40A240	25	750-12100	11	UC3636-3CA	15
02-07569L	41	25-90292	27	48-3703	4	82-PW12158	37	DP-AS1	26	750-34100	11	UC3640-2	14
02-07570R	39	25-90293	27	48-3704	4	82-PW12218	37	DP-AS2	26	750-NMLT50	11	UC3642-3	14
02-07571R	39	25-90294	27	48-3706	4	82-PW12258	37	DP-AS3	26	750-NMLT75	11	UC3648-2	14
02-07572L	41	25-90295	27	48-3738	4	82-PW12318	37	DP-AS4	26	750-NMLT9050	11	UC3648-3	14
02-07573L	41	25-90340	27	48-3816	4	82-PW34118	37	DP-AS5	26	750-NMLT9075	11	UC3648-3CA	15
02-07574L	41	25-90341	27	48-3817	4	82-PW34138	37	DP-AS6	26	750-SLTC50	11	UC3842-2	14
02-07575R	41	25-90342	27	48-HX3700	5	82-PW34158	37	DP-AS7	26	750-SLTC75	11	UC3842-3	14
02-07576R	41	25-90360	27	48-HX3702	5	82-PW34218	37	DP-AS8	26	750-SLTC9050	11	UC4040-2	14
02-07578	40	25-90362	27	48-HX3704	5	82-PW34258	37	DP-AS9	26	750-SLTC9075	11	WS-1	18
02-07579R	39	25-90364	27	48-HX3706	5	82-PW34318	37	DP-AS10	26	CP-16	17		
03-RPH12	8	25-90370	27	48-HX3738	5	82-PW38118	37	WP-DE05LUA520	19	CP-22	17		
03-RPH18	8	25-90372	27	48-MH-2	7	82-PW38138	37	WP-DE05LUA660	19	CP-22-230	17		
03-RPH24	8	25-90374	27	48-MH-3	7	82-PW38158	37	WP-DE05LUB110	19	CP-22LP	17		
03-RPH30	8	25-90380	27	48-MH-5	7	82-PW38218	37	WP-FPS-B	18	CP-22T	17		
03-RPH36	8	25-90382	27	48-MH-20	7	82-PW38258	37	WP-FPS-L	18	CS-1	18		
03-RPH48	8	25-90384	27	48-MH-10	7	82-PW38318	37	WP-FPS-T	18	CS-2	18		
03-RPH60	8	30-FF7.5HBK	2	48-MH-15	7	83-30200	34	WP-GC1KFX2010	19	CS-3	18		
03-RPH72	8	30-FF8.5BK	2	54-RC30	9	83-30201	34	CLIPLIGHT		CS1200	18		
08-2500-100	16	30-FF8.5HBK	2	54-RC30F	9	83-30202	34			24_458	46	DDS-60U	12
08-2501-100	16	30-FF10BK1	2	54-RC60	9	83-30203	34	24_460	46	DP-1	18		
08-2502-100	16	30-FF10BX	2	54-RC60F	9	83-30205	34	84DCPLUS	45	EDS-60U	12		

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