

## P24F Series Parts List

**Note:** The P24F packaged Freon machine was introduced in 1972 using R-12, then R-22 and 404A refrigerant with an option of R-507 . The original control panel utilized Allen-Brad components until 1993, Cutler-Hammer components were used until mid 1999, since then used Allen Bradley I.E.C components which will be listed as replacements.

### Control Panel Components

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2117C03	1	FREEZER PRESSURE SWITCH, ASCO PG16A <b>"2PS" Use with Asco Transducer 12A2117T03</b>
12A2117T03	1	TRANSDUCER, ASCO RANGE 6-60 PSI <b>Use with Asco Freezer Pressure Switch #12A2117C03</b>
12A2117F05	1	CONDENSER FAN CONTROL SWITCH
12A2590G1	1	GAGE, 4 1/2" DIAMETER, 30"-150# 1/4" BC, R22 <b>R22 Suction Pressure Gage</b>
12A2590G11	1	GAGE, 4 1/2" DIAMETER, 30"-400# 1/4" BC, R22 <b>R22 Discharge Pressure Gage</b>
12A2590G18	1	GAGE, DURO, 4 1/2" DIA, 30" TO 150 LBS. <b>R404A Suction Pressure Gage</b>
12A2590G19	1	GAGE, DURO, 4 1/2" DIA, 30" TO 400 LBS. <b>R404A Discharge Pressure Gage</b>
12A2590G23	1	GAGE, 4 1/2" DIA, 30" TO 150 L <b>R-507 Suction Pressure Gage</b>
12A2590G24	1	GAGE, 4 1/2" DIA, 30" TO 400 L <b>R-507 Discharge Pressure Gage</b>
12A2117D01	1	HI/LOW PRESSURE SWITCH
12A7500E60	1	A/B SELECTOR SWITCH, 2 POSITION <b>"1SS" Hand/Auto Switch</b>
12A7500E74	1	CONTACT BLOCK/MOUNTING LATCH, 1-NO, 1-NC <b>Used with 12A7500E60</b>
12A7500E57	1	A/B PUSH BUTTON SWITCH (RED) <b>"1PB" Stop Push-Button Switch</b>
12A7500E76	1	CONTACT BLOCK/MOUNTING LATCH, 1-NC <b>Used with 12A7500E57</b>
12A7500E56	1	A/B PUSH BUTTON SWITCH (GREEN) <b>"2PB" Start Push-Button Switch</b>
12A7500E75	1	CONTACT BLOCK/MOUNTING LATCH, 1-NO <b>Used with 12A7500E56</b>
12A7500E58	1	A/B PUSH BUTTON SWITCH (WHITE) <b>"3PB" Manual Harvest Switch</b>
12A7500E75	1	CONTACT BLOCK/MOUNTING LATCH, 1-NO <b>Used with 12A7500E58</b>
12A7515E22S	1	CIRCUIT BREAKER, 6A, 2 POLE, 4 <b>"CB4" Control Circuit Breaker 200/208/230V</b>

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### Control Panel Components (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A7515E21S	1	CIRCUIT BREAKER, 3A, 2 POLE, 4 <b>"CB4" Control Circuit Breaker 460/575V</b>
12A7515E33S	1	CIRCUIT BREAKER, 4A, 2 POLE, 4 <b>"CB4" Control Circuit Breaker 400V/50HZ</b>
12A7503E22	2	THAW TIMER, 8 PIN PLUG-IN, 100-240V., 50/60HZ <b>"2TR" or "DT" (Compressor Unloader)</b>
12A7503E39	2	TIMER BASE, 8 PIN, GUARDED TERMINAL
12B7503E21	1	ELAPSED TIME INDICATOR, 220V, 60HZ, DIN RAIL MOUNT
12B7503E20	1	ELAPSED TIME INDICATOR, 220V, 50HZ, DIN RAIL MOUNT
12A7500E78B	1	BLUE LED LIGHT MODULE/MOUNTING LATCH <b>"1LT" Freezing</b>
12A7500E78W	1	WHITE LED LIGHT MODULE/MOUNTING LATCH <b>"2LT" Liquid Feed</b>
12A7500E78R	1	RED LED LIGHT MODULE/MOUNTING LATCH <b>"3LT" Thawing</b>
12A7520E35	3	BULB #755, A/B 2TL5/2TL7 PILOT LIGHT, 6.3V
12A7517E27	2	RELAY, AB, 10A, 2-NO/2-NC, 208/240 <b>"CR1 &amp; CR2" Relay</b>
12A7503E38	1	A/B TIMER, PNEUMATIC, ON-DELAY FOR 700-CF RELAY <b>Time Delay for Cutter Motor on "1CR" Relay</b>
12A7516E23	1	A/B CONTACTOR, 9-AMP, 3-POLE, 208/240V W/1-NO AUX <b>"2M" Water Pump or "3M" Cutter Motor (9-amp Max)</b> <b>Water Pump - 380/460/575V / Cutter Motor - all Voltages</b>
12A7516E24	1	A/B CONTACTOR, 12-AMP, 3 POLE, 208/240V W/1-NO AUX <b>"2M" Water Pump or "3M" Cutter Motor (12-amp Max)</b> <b>Water Pump - 190/200/208/230</b>
12A7530E54UL	1	MANUAL MOTOR STARTER, 1.6-2.5A <b>Cutter Motor - 575V</b>
12A7530E55UL	1	MANUAL MOTOR STARTER, 2.5-4.0A <b>Water Pump - 575V / Cutter Motor - 380V</b>
12A7530E56UL	1	MANUAL MOTOR STARTER, 4.0-6.3A <b>Water Pump - 380/460V / Cutter Motor - 190/208/230V</b>
12A7530E57UL	1	MANUAL MOTOR STARTER, 6.3-10.0 AMP <b>Water Pump - 190/208/230V</b>
12A7518E33UL	2	AUX. CONTACT, 6A, 1 NO TRIP, 1 NC TRIP <b>Trip Indicator for Water Pump &amp; Cutter Motor</b>

**Note: If replacing Water Pump Or Cutter Motor Contactor in Pre-1993 Allen Bradley Panel or Cutler-Hammer Control Panel, the Contactor and Overload Relays listed below will be (wiring drawing available upon request). Amp rating on motors should be set in compliance with name plate amp rating when installing the overload relay.**

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### Control Panel Components (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A7516E24	1	A/B CONTACTOR, 12-AMP, 3 POLE, 208/240V W/1-NO AUX <b>Water Pump or Cutter Motor Contactor (12-amp Max)</b>
12A7538E11	1	OVERLOAD RELAY, 1-5AMP SOLID STATE <b>Cutter Motor 230 /460V or Water Pump 460V</b>
12A7538E12	1	OVERLOAD RELAY, 3.2-16AMP SOLID STATE <b>Water Pump 230V</b>
12A7519E31		TRANSFORMER, HEVI-DUTY 1KVA 240/480-120/240 60HZ
12A7519E24		TRANSFORMER, HEVI-DUTY, 1KVA, 380/400/50 HZ,

### Compressor Motor Starters

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
19T7530FP200	1	COMPRESSOR MOTOR STARTER, 200-3-60, PW FREON
19T7530FP230	1	COMPRESSOR MOTOR STARTER, 230-3-60, PW FREON
19T7530FP400	1	COMPRESSOR MOTOR STARTER, 400-3-50, PW FREON
19T7530FP460	1	COMPRESSOR MOTOR STARTER, 460-3-60, PW FREON
19T7530FX200	1	COMPRESSOR MOTOR STARTER, 200-3-60, XL FREON
19T7530FX230	1	COMPRESSOR MOTOR STARTER, 230-3-60, XL FREON
19T7530FX400	1	COMPRESSOR MOTOR STARTER, 400-3-50, XL FREON
19T7530FX460	1	COMPRESSOR MOTOR STARTER, 460-3-60, XL FREON
12A7503E48	1	TIMER, ON-DELAY, 110-240VAC, 0.3-3.0 SECONDS <b>Part Winding Start Delay Timer</b>
12A7517E27	1	RELAY, AB, 10A, 2-NO/2-NC, 208/240 <b>Part Wind 230V-60HZ or 200V-50HZ</b>
12A7516E30	2	A/B CONTACTOR, 72AMP, 3-POLE, 208/240V COIL <b>Part Wind 460V-60HZ</b>
12A7516E33	2	CONTACTOR, 85A, 3 POLE, 208/240V COIL <b>Part Wind 400V-50HZ</b>
12A7516E49	1	CONTACTOR, 116A, 3 POLE, W/1NO <b>Across the Line 460V-60HZ</b>
12A7516E50	2	CONTACTOR, 190A, 3 POLE, W/1NO <b>Part Wind 200V-50 or 230V-60 / Across the Line 400V-50 (1)</b>
12A7516E51	1	CONTACTOR, 265A, 3 POLE, W/1NO <b>Across the Line 200V-50HZ or 230V-60HZ</b>
12A7538E04	2	SOLID STATE OVERLOAD RELAY, 18 - 90 AMP <b>Part Wind 400V-50HZ or 460V - 60HZ</b>
12A7538E07	2	SOLID STATE OVERLOAD RELAY, 60 - 300 AMP <b>Across the Line 200V-50HZ or 230V-60HZ</b>
12A7538E05	1	SOLID STATE OVERLOAD RELAY, 30 - 150 AMP <b>Across the Line 460V-60HZ</b>

## **P24F Series Parts List**

### **Compressor Motor Starters (Con'd)**

<b><u>Part Number</u></b>	<b><u>Req'd</u></b>	<b><u>Description</u></b>
12A7538E06	1	SOLID STATE OVERLOAD RELAY, 40 - 200 AMP <b>Part Wind 200V-50 or 230V-60 / Across the Line 400V-50</b>
12A7515E08	1	CIRCUIT BREAKER, 15 AMP. WESTINGHOUSE <b>Part Wind &amp; Across the Line 400V-50HZ or 460V-60HZ</b>
12A7515E09	1	CIRCUIT BREAKER, 30 AMP. WESTINGHOUSE <b>Part Wind &amp; Across the Line 200V-50HZ or 230V-60HZ</b>
12A7518E30	1	A/B AUX. CONTACT, 3A, 1 NO/1 NC, (SIDE MOUNT) <b>Used with 400 Part Wind Start</b>
12A7518E31	1	A/B AUX. CONTACT, 3A, 2 NO, (SIDE MOUNT) <b>Used on 400V Part Wind Start</b>
12A7518E34	1	A/B AUX. CONTACT, 10A, 1 NO/1 NC, SIDE MOUNT <b>Used on 200/230/460 Part Wind &amp; 208/230/400V Across the Line Start</b>
12A7518E35	1	A/B AUX. CONTACT, 10A, 2 NO, SIDE MOUNT <b>Used on 200/230/460V Part Wind Start</b>
12A7518E46	1	AUX. CONTACT, 4A @ 240V, 1 NO/1 NC, SIDE MOUNT Used on 460V Across the Line Start
12A7504E29	3	FUSE, 1 AMP, 600V CLASS CC
12A7504E32	6	FUSE, TIME DELAY 70AMP, 600V, CLASS RK5
12A7504E33	6	FUSE, TIME DELAY 90AMP, 600V, CLASS RK5
12A7504E34	6	FUSE, TIME DELAY 110AMP, 600V, CLASS RK5
12A7504E35	6	FUSE, TIME DELAY 125AMP, 600V, CLASS RK5
12A7504E36	6	FUSE, TIME DELAY 175AMP, 600V, CLASS RK5

### **Soft Start Compressor Motor Starters**

<b><u>Part Number</u></b>	<b><u>Req'd</u></b>	<b><u>Description</u></b>
19T7530FS230751	1	MOTOR STARTER-SOFT START <b>For P24F with 75HP Motor</b>
19T7530FS230075	1	MOTOR STARTER-SOFT START 230V-3-60 <b>For P24F with 230 Volt Controls &amp; 75HP Motor</b>
19T7530FS460075	1	MOTOR STARTER-SOFT START, 460V-3-60 <b>For P24F with 75HP Motor</b>
19T7530FS400075	1	MOTOR STARTER-SOFT START 400V-3-50 <b>For P24F W/220 Volt Controls &amp; 75HP Motor (100HP derated)</b>
19T7530FS575075	1	MOTOR STARTER-SOFT START 575-3-60 <b>For P24F W/230 Volt Controls &amp; 75HP Motor</b>
12A7800S22	1	SOFT START CONTROLLER, 108A, <b>460V Unit with 75HP Motor 230V Controls</b>
12A7800S23	1	SOFT START CONTROLLER, 135A, <b>400V-50HZ Unit W/75HP (100HP derated) Motor 200V Controls</b>

## P24F Series Parts List

### Soft Start Compressor Motor Starters (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A7800S24	1	SOFT START CONTROLLER, 201A, <b>200/230V Unit with 75HP Motor 230 or 120V Controls</b>
12A7800S28	1	SOFT START CONTROLLER, 85A, <b>575V Unit with 75HP Motor 230V Controls</b>
12A7517E28	2	A/B RELAY, 10A, 3-NO/1-NC, 208/240
12A7518E30	1	A/B AUX. CONTACT, 3A, 1 NO/1 NC, (SIDE MOUNT)
027000601	1	FAN, 4" , 230V,
027000604	1	FAN, 4" , 120V
12A7500E78R	1	RED LED LIGHT MODULE/MOUNTING LATCH

### Freezer Components

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2600G08	1	FREEZER COVER GASKET 27" x 22" x 3/16"
12B2145C04	1	P24 POLYCARBONATE FREEZER COVER W/VENT HOLE <b>(Requires the Foot Valve &amp; Bulkhead Fitting below)</b>
12A4200B1007	1	VALVES, FOOT (PLASTIC), 1-1/2" MPT
12A2450B13	1	BULKHEAD FITTING, (PVC) 1 1/2"
19T4001S0915	4	P24 FREEZER COVER RETAINING RINGS
12A2240H4109	12	NUT, WING, BRASS, 3/8"-16NC
12A2250A12	12	WASHER, CUT 3/8" x 1" O.D. SS
12B2185V12	264	1" VENT TUBE WATER DISTRIBUTOR, 16GA WHITE
12B2185V21	198	1-1/4" VENT TUBE WATER DISTRIBUTOR, 16GA BLUE
12B2185V31	144	1-1/2" VENT TUBE WATER DISTRIBUTOR, 16GA BLUE
12A4009R01		PLUG, RUBBER 7/8" OD X 2" LG FOR 1" TUBES <b>Requires 3/8" Bolt, Nut &amp; Washers</b>
12A4009R02		PLUG, RUBBER 1"OD X 2 1/2"LG FOR 1-1/4" TUBES <b>Requires 3/8" Bolt, Nut &amp; Washers</b>
12A4009R03		PLUG, RUBBER 1 1/4"OD X 2 1/2" FOR 1-1/2" TUBES <b>Requires 3/8" Bolt, Nut &amp; Washers</b>
12A2215H1119	1	CAP SCREW, 3/8"-16NC X 3" LONG
12A2240A1109	1	NUT, HEX 3/8"-16NC S.S.
12A2250A12	2	WASHER, CUT 3/8" x 1" O.D. SS <b>(Use this washer for 1" tubes)</b>
12A2250A109	2	WASHER, CUT 3/8" x 7/8" O.D. SS <b>(Use this washer for 1 1/4" &amp; 1 1/2" tubes)</b>
12A2625G02	1	GAGE GLASS 1/2" X 27-1/8" LONG <b>For Use with Brass Hand Wheel Gage Cock Valves</b>
12A2625G11	1	GAGE GLASS, 1/2" X 28 3/8" LONG <b>For Use with Service Wrench Gage Cock Valves</b>

## P24F Series Parts List

### Freezer Components (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2625G05	1	GAGE GLASS 1/2" X 29" LONG <i>For Custom Application (Cut to Fit)</i>
19T2635G06	1	GAGE GLASS GUARD SET, 27 1/4" <i>For Use with Service Wrench Gage Cock Valves</i>
12A2635G06	1	GAGE GLASS GUARD 60" LENGTH <i>For Custom Application (Cut to Fit)</i>
12A4199V26	2	GAGE GLASS PACKING O-RING FOR 1/2" DIAMETER
12A4200J0405	1	UPPER GAGE COCK VALVE, STEEL <i>Replaced Brass Hand Wheel Valve</i>
12A4200J0406	1	LOWER GAGE COCK VALVE, STEEL <i>Replaced Brass Hand Wheel Valve</i>
12A3050C0301	2	PIPE NIPPLE, 1/2" X 1-1/2" LONG

**Note: Serial number of unit required for purchase of relief valves. Relief valve setting must exceed the design pressure of the vessel.**

12A4200L0411	2	RELIEF VALVE SET @ 275#, 1/2" MPT x 3/4" FPT
12A4200M0401	1	3-WAY VALVE 1/2" F.P.T.

### Cutter Drive

**Note: The cutters on the original P24 units were nickel plated carbon steel driven by a belt a system off the bottom of a galvanized water tank. In 1977, the design was changed to the direct drive setup and at the same time, the entire water tank and cutter was changed to steel. Reliance one piece gearmotors were used until a design change in 1998 to the separ reducer and U.S. Motor. Note: Grove and Reliance reducers require different mounting cor and are not interchangeable.**

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2900M0701	1	GEARMOTOR, RELIANCE R56WG21A ,1HP 230/460V-3P-60HZ <i>For Belt-Driven Cutters Prior to 1977</i>
12A2900M0702	1	GEARMOTOR, RELIANCE, 1HP 230/380/460V-3P-50/60HZ <i>Direct Drive Units with Stainless Steel Tanks Until 1998</i>
12A4080S1	1	SEAL, KIT #07901938AC FOR RELIANCE 1HP GEARMOTOR
12A2900M0704	1	GEARMOTOR, GROVE 15:1, 1-1/2HP, 230-460V-3P-50/60HZ <i>Direct Drive Units Built Since 1998</i>
12A2900M0705	1	MOTOR, 1 1/2 HP, FOR GROVE GEARMOTOR 12A2900M0704
12A4030R1	1	REDUCER, GROVE 10:1 FOR GEARMOTOR 12A2900M0704
12A4080S24	1	SEAL KIT FOR GROVE REDUCER USED ON P24 <i>Kit Contains Input and Output Seal</i>
19T1501S25	1	P24 MTING PLATE ASSY FOR 1 1/2HP GROVE REDUCER
12B2615D03	1	P24 DRIVE GEAR , ALUMINUM / BRONZE 9-1/4" PD, 72 TEETH <i>Replaces Cast Iron Gear</i>

## P24F Series Parts List

### Cutter Drive (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12B2060B01	1	DRIVE GEAR HUB, STAINLESS STEEL 1-1/8" BORE <i>For use with Grove gearmotor</i>
12B2060B04	1	DRIVE GEAR HUB, 7/8" BORE STAINLESS STEEL <i>For use with Reliance gearmotor</i>
12A2215G111	3	CAP SCREW, 5/16"-18NC X 1" SS HEX HEAD
12A2250B108	3	WASHER, LOCK 5/16" SS ( 300 SERIES)
19T2615R03	1	P24 FINISHED RING GEAR
12A3040S02	6	CUTTER BEARING ROLL PIN 3/16" X 1/2" <i>(This pin used to secure ring gear to cutter)</i>
126087	1	BELT 630XH200 DIAMOND FOR P24 BOTTOM DRIVE CUTTER

### Cutter Internals

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
19T2035B01	2	CUTTER BLADE, P24, 10" LONG
19T2010A11	2	P24 CUTTER ADAPTOR PLATE
19T4130T04	8	ADAPTOR PLATE SPACER, 5/8" O.D. S.S. TUBING x 7/8" LG.
12A2226H1117	8	MACHINE SCREW, FLAT HEAD SS, 3/8"-16NC x 2-1/2" LG <i>For Adaptor Plates</i>
12A2240A1309	8	NUT, HEX 3/8"-16NC S.S.
19T2025B0105	1	BEARING BRACKET ASSEMBLY FOR P24
19T2163D0302	1	TINES DISC, P24 CYLINDER ICE
19T4130C02	1	P24/34 TINES DISC HUB SPACER
19T4090S03	1	P24/34 CUTTER SHAFT
19T4065R01	1	P24/34 CUTTER RETAINING SPACER
19T2165K2434	1	P24/P34 CUTTER REPAIR KIT <i>Kit Contains Items for Cutter Maintenance and Rebuild</i>

### Water Tank/Circulating Water

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
19T2165C03	1	S.S. CUTTER/TANK ASSEMBLY FOR P24 <i>Includes complete cutter assembly and drive train, water tank tines disc, &amp; bearing support. Does not include water pump or internal water piping (specify tube size when ordering)</i>
12A2600G09	1	WATER TANK GASKET 30" x 27" x 3/16"
12A4200H0606	1	VALVE, FLOAT, ROBERTS 3/4" MPT, LEAD FREE BRASS <i>Current Valve (Requires 21" Water Box Width)</i>

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### Water Tank/Circulating Water (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A4200HP01	1	STEM FOR ROBERTS FLOAT, 10" LG x 1/4-20 THREAD BRASS
12A4200HP02	1	FLOAT FOR ROBERTS, 4" CYL x 6" LG W/1/4-20 THREAD
12A4200H0801	1	FLOAT VALVE, HUDSON 1" FPT
127668R	1	FLOAT VALVE ASSY, ROBERTS #R400-3/4" W/STEM & FLOAT
12A4200A0607LF	1	VALVE, WATER, 3/4", LEAD FREE, GRANZOW, LESS COIL <b>Water Tank Flush Valve (Replaces Jake Evans &amp; Sporlan)</b>
12A2105C42K	1	ASSEMBLY, COIL, 230/240V GRANZOW
12A2105C41K	1	ASSEMBLY, COIL, 110/120V GRANZOW
126223	1	COIL FOR SPORLAN SOLENOID, 230V/60HZ
12A2105C06	1	COIL FOR SPORLAN SOLENOID, 120 VOLT, 50/60 HZ
12A2105C17	1	COIL, J/E #G-23, 208/230V.,50/60
12A4170T01	1	THERMOMETER, WEKSLER, 2" DIAL, 4" STEM 25-125 DEG F.
12A4205G0601LF	1	3/4" STOP VALVE, LEAD FREE BRONZE
12A4181T09	16	TUBING, PLASTIC, CLEAR, 2" ID x 3/16" THK <b>Circulating Water (Priced per ft.)</b>
12A4181T06	12	TUBING, TYGON B-44-3, 1-1/2" OD x 1-1/4" ID <b>Overflow (Prior to 1994) (Priced per ft.)</b>
12A4181T09	12	TUBING, PLASTIC, CLEAR, 2" ID x 3/16" THK <b>Overflow (After 1994) (Priced per ft.)</b>
12A4078C03	1	CURTAIN, P24 SPLASH
12A4020S02	1	PUMP, 1 1/2HP SCOT #AVF51 230/380/460V-3P-50/60HZ <b>Cast Iron Housing, Sidewall Mount (R-12 Units)</b>
12A2600G03	1	PUMP SUCTION GASKET, 7 1/2" x 4 1/2" x 3/16"
12A4020S01	1	PUMP, SCOT #AVF18, 3HP, 230/460V-3P-60HZ <b>Cast Iron Housing, Sidewall Mount (R-22 Units)</b>
12A4020G23	1	PUMP, GOULD SSH, 3 HP, 208-230/460V-3P-50/60HZ <b>Stainless Steel Housing, Bottom Flange Mount (since 1994)</b>
12A4080S13	1	SEAL, PUMP FOR GOULD 2 & 3HP PUMP

### Compressors/Components

**Note: Original P24F compressors utilized direct drive motor couplings. The design change early 1980's to belt driven.**

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2110A0001	1	COMPRESSOR, CARRIER 5H80 FOR R12/22 <b>Blank Off Package (12A2110P0205) required for use on P24F</b>
12A2110H01	1	COMPRESSOR, PKG. CARRIER #5H80, FOR R-404A SERVICE <b>Blank Off Package (12A2110P0205) required for use on P24F</b>



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### Compressors/Components (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2110P0205	1	COMPRESSOR, PACKAGE BLANK OFF
12A7509E04	2	CRANKCASE HEATER, 200 WATT 31AZ-241
126618	1	GASKET SET FOR CARRIER 5H80 COMPRESSOR
12A2600C01	1	GASKET, CARRIER #EP29YC-660, S
12A4200A0401	1	SOLENOID VALVE, ALCO 1/2" ODC, 5-16" PORT, LESS COIL
12A2105C01	1	COIL, ALCO AMG, 208/240V-50/60HZ
12A2110P0224	1	COMPRESSOR OIL FILTER FOR CARRIER 5H80
12A2110P023	1	SUCTION FILTER SOCK FOR CARRIER 5H80
12A2742S01	1	SUPERHOSE ASSY, 12" LONG, 1/4"
12A2742S02	1	SUPERHOSE ASSY, 14" LONG, 1/4"
12A2742S03	1	SUPERHOSE ASSY, 20" LONG, 1/4"
12A2742S04	2	SUPERHOSE ASSY, 24" LONG, 1/4"
12A2117A01	1	OIL PRESSURE SWITCH, 60SEC DELAY
12A3025S02	1	OIL SEPERATOR, ACR #SN-1904A A
12A3025F01	1	OIL SEPERATOR FLOAT VALVE ASSY FOR ACR #SN1904A
12A2030B40	1	BELT, 5 BAND, BROWNING, FOR P24F
12A2110P0103	1	COMPRESSOR SEAL KIT FOR CARRIER 5H80 R12/R22
12A2110P0103H	1	COMPRESSOR, SEAL KIT FOR CARRIER 5H80, 404A
12A2900M1608	1	MOTOR, 75HP, 365T FRAME, F2 MO

### Condenser/Receiver

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2600R04	2	CONDENSER HEAD GASKET, 24 1/4" OD x 1/8" RED RUBBER
12A2625G02	1	GAGE GLASS 1/2" X 27-1/8" LONG <i>For Use with Brass Gage Cock Valves</i>
12A2625G11	1	GAGE GLASS, 1/2" X 28 3/8" LONG <i>For Use with Service Wrench Gage Cock Valves</i>
12A2625G05	1	GAGE GLASS 1/2" X 29" LONG <i>For Custom Application (Cut to Fit)</i>
19T2635G06	1	GAGE GLASS GUARD SET, 27 1/4" <i>For Use with Service Wrench Gage Cock Valves</i>
12A2635G06	1	GAGE GLASS GUARD 60" LENGTH <i>For Custom Application (Cut to Fit)</i>
12A4199V26	2	GAGE GLASS PACKING O-RING FOR 1/2" DIAMETER
12A4200J0405	1	UPPER GAGE COCK VALVE, STEEL <i>Replaced Brass Hand Wheel Valve 12A4200J0403</i>
12A4200J0406	1	LOWER GAGE COCK VALVE, STEEL <i>Replaced Brass Hand Wheel Valve 12A4200J0404</i>
12A3050C0301	2	PIPE NIPPLE, 1/2" X 1-1/2" LONG

## P24F Series Parts List

### Condenser / Receiver (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
<b>Note: Serial number of unit required for purchase of relief valves. Relief valve setting must exceed the design pressure of the vessel.</b>		
12A4200L0415	2	RELIEF VALVE SET @ 350# 1/2" MPT X 1/2" FPT
12A4200M0401	1	3-WAY VALVE 1/2" F.P.T.
19553	124	CONDENSER TUBE 1 1/4"X.109"W A214,ERW X 84"LG.
19553A	124	CONDENSER TUBE, 1 1/4" OD x .065" WALL, 84" LG SS T304
12A4200E1401	1	WATER REG VALVE, 2" FOR R-22/404A (PENN)

### Liquid Line (Level Column, Steel)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A7500E27	1	HANSEN LEVEL CONTROL PROBE, 40" LENGTH FOR R22
12A7500E2705	1	HANSEN LEVEL CONTROL PROBE, 40" LENGTH FOR 404A
12A7500E28	1	HANSEN VARI-LEVEL CONTROL, 3-RELAY OUTPUTS, 240-50/60
12A7500E281	1	HANSEN VARI-LEVEL CONTROL, 3-RELAY OUTPUTS, 120/60
12A4200C0901	1	EXPANSION VALVE, HANSEN 1-1/4" SOCKET WELD
12A4200A0604	1	VALVES, SOLENOID, HANSEN #HS8 3/4" W/STRAINER
12A4200A1001	1	VALVES, SOLENOID, HANSEN #HS7, 1-1/4" PORT SW
126229	1	COIL, HANSEN, 208/240V-50/60HZ
12A2105C08	1	COIL, HANSEN, 115V-50/60HZ (1/2" FITTING)
12A4199V52	1	REPAIR KIT FOR HANSEN HS7
12A4200G0301	1	CHARGING VALVE, 3/8 MPT X 1/2 SAE FLARE
12A4200G0804	1	VALVES, ANLGE, 1" SOCKET WELD
12A4200G1202	1	VALVES, ANGLE 1 1/2" , SOCKET WELD
12A2140C02	4	FILTER DRIER CORE #RCW-48 FOR R-404A
12A2140C01	4	FILTER DRIER CORE #RC-4864 FOR R-22

### Liquid Line (Level Column, Copper)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A7500E27	1	HANSEN LEVEL CONTROL PROBE, 40" LENGTH FOR R22
12A7500E28	1	HANSEN VARI-LEVEL CONTROL, 3-RELAY OUTPUTS, 240-50/60
12A7500E281	1	HANSEN VARI-LEVEL CONTROL, 3-RELAY OUTPUTS, 120/60
12A4200C0701	1	HAND EXPANSION VALVE, 7/8" ODS
12A4200A07051	1	VALVES, SOLENOID SPORLAN ME25-HP 7/8" ODF LESS COIL
12A2105C33	1	COIL, SPORLAN, MKC-2 DUAL JAU, 120/208-240, 50/60HZ,
12A4199V69	1	REPAIR KIT, FOR ME25S-HP
12A4199V39	1	REPAIR KIT #KSB25/E25 FOR SPORLAN ME25S
12A4200A0401	1	SOLENOID VALVE, ALCO 1/2" ODC, 5-16" PORT, LESS COIL
12A2105C01	1	COIL, ALCO AMG, 208/240V-50/60HZ
12A4200G0301	1	CHARGING VALVE, 3/8 MPT X 1/2 SAE FLARE
12A2140C01	4	FILTER DRIER CORE #RC-4864 FOR R-22

## P24F Series Parts List

### Liquid Line (High-Side Float)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A4200K0601	1	EXPANSION VALVE #700XHF PILOT WITH 1/16" BLEED HOLE
12A4200K0602	1	PILOT FLOAT #275AF LESS CHAMBER, 5/64" ORIFICE
12A4200K0603	1	PILOT FLOAT #275AF WITH CHAMBER, 5/64" ORIFICE
12A2140C03	3	SPORLAN CORE # RC-10098

### Thawing Gas Line

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A4200A1403	1	VALVES, HANSEN #HS4AE, 2" EXTERNAL PORT, 240V-60HZ <b>Replaces Alco 905H-18, Hubbell FS2004 &amp; RS S4AE</b>
126229	1	COIL, HANSEN, 208/240V-50/60HZ
12A4199V35H	1	REPAIR KIT, 2" HANSEN SOLENOID
12A2105C08	1	COIL, HANSEN, 115V-50/60HZ (1/2" FITTING)
12A4200B1403	1	CHECK VALVE, HANSEN 2" (9-7/8" LONG, FEMALE FLGS) <b>Note: Henry &amp; Hubbell check valves both obsolete</b>
12A4199V68	1	REPAIR KIT, 2" HENRY FLANGED GLOBE VALVE <b>Kit for Henry Flanged Globe Valve (discontinued use 2004)</b>
12A4140S18	1	STRAINER, HANSEN ST200 2"

### Valves-Flanges-Gaskets

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A4200G0201		VALVES, 1/4" MPT X 1/4" SAE
12A4200G0202		ANGLE VALVE, 1/4" MPT x 1/4" FPT
12A4200G0301		CHARGING VALVE, 3/8 MPT X 1/2 SAE FLARE
12A4200G0402		ANGLE VALVE, 1/2" MPT x 1/2" FPT
12A4200G0409		VALVES, ANGLE, HANSEN, 1/2" FPT X 1/2" FPT
12A4200G0603		ANGLE VALVE, 3/4" FPT x 3/4" FPT
12A4200G0804		VALVES, ANLGE, 1" SOCKET WELD
12A4200G1202		VALVES, ANGLE 1 1/2" , SOCKET WELD
12A4200G1408CE		VALVE, ANGLE, 2" SOCKET WELD W <b>Thawing Gas Stop Valve (Condenser Side)</b>
12A4200G1408		VALVE, ANGLE, 2" SOCKET WELD W <b>Thawing Gas Stop Valve (Freezer Side)</b>
12A4200G1604		VALVE, 2 1/2" SOCKET WELD HANS
12A4200G1802		ANGLE VALVE, 3" FLANGED HENRY
12A4200G1801		GLOBE VALVE, 3" FLANGED, HENRY
12A4200G1803		ANGLE VALVE, 3" FLANGED VILTER
12A2538S0106		FLANGE SET, 3/4" FPT, HANSEN 2-BOLT
12A2538S0107		FLANGE SET, 1" FPT, HANSEN 2-BOLT
12A2530G0206		FLANGE, 2" HENRY GROOVE SOCKET WELD

## **P24F Series Parts List**

### **Valves-Flanges-Gaskets (Con'd)**

<b><u>Part Number</u></b>	<b><u>Req'd</u></b>	<b><u>Description</u></b>
12A2530T0206		FLANGE, 2" HENRY TONGUE SOCKET WELD
12A2535T0106		FLANGE ADAPTOR, 2" MALE TO MALE
12A2530G0208		FLANGE, 2-1/2" HENRY GROOVE SOCKET WELD
12A2530T0208		FLANGE, 2-1/2" HENRY TONGUE SOCKET WELD
12A2530G021		FLANGE, 3" HENRY GROOVE SOCKET WELD
12A2530T021		FLANGE, 3" HENRY TONGUE SOCKET WELD
12A2600F01		FLANGE GASKET FOR 3/4" & 1" 2-BOLT FLANGE
12A2600F04		GASKET, 2" HENRY
12A2600F05		GASKET, 2-1/2" HENRY
12A2600F06		GASKET, 3" HENRY

### **Pressure Line & Fittings**

<b><u>Part Number</u></b>	<b><u>Req'd</u></b>	<b><u>Description</u></b>
12A4182S03		TUBING, 1/4" OD TYPE 304 STAINLESS (PRICED PER FT)
12A2452M02		CONNECTOR, MALE, 1/4" MPT x 1/4" TUBING
12A2452F01		CONNECTOR, FEMALE 1/4" FPT x 1/4" TUBING
12A2452E01		ELL, 90 DEG 1/4" MPT X 1/4" TUBING
12A2452T01		TEE, UNION, 1/4" x 1/4" x 1/4" TUBING
12A2452T02		TEE, 1/4" TUBING x 1/4" TUBING x 1/4" MPT
12A2100C0303		CLAMPS, 1/4" OD TUBING