Note: The P24F packaged Freon Lowside machine was introduced in 1986. The original con utilized Allen-Bradley NEMA components, and in mid-1993 changed to include Cutler components. The control panel was changed to Allen Bradley I.E.C. components in mid-19 items will be listed below as replacments.

Control Panel, Allen-Bradley I.E.C Components

| Part Number | Req'd | <u>Description</u> |
|-------------|-------|---|
| 12A2590G1 | 1 | GAGE, 4 1/2" DIAMETER, 30"-150# 1/4" BC, R22 R22 Suction Pressure Gage |
| 12A2590G11 | 1 | GAGE, 4 1/2" DIAMETER, 30"-400# 1/4" BC, R22 R22 Discharge Pressure Gage |
| 12A2590G18 | 1 | GAGE, DURO, 4 1/2" DIA, 30" TO 150 LBS. R404A Suction Pressure Gage |
| 12A2590G19 | 1 | GAGE, DURO, 4 1/2" DIA, 30" TO 400 LBS. <i>R404A Discharge Pressure Gage</i> |
| 12A2590G23 | 1 | GAGE, 4 1/2" DIA, 30" TO 150 L <i>R-507 Suction Pressure Gage</i> |
| 12A2590G24 | 1 | GAGE, 4 1/2" DIA, 30" TO 400 L R-507 Discharge Pressure Gage |
| 12A2117D01 | 1 | HI/LOW PRESSURE SWITCH (Optional) |
| 12A7500E60 | 1 | A/B SELECTOR SWITCH, 2 POSITION "1SS" Hand/Auto Switch |
| 12A7500E74 | 1 | CONTACT BLOCK/MOUNTING LATCH, 1-NO, 1-NC Contact Block for 12A7500E60 Selector Switch |
| 12A7500E57 | 1 | A/B PUSH BUTTON SWITCH (RED) "1PB" Stop Push-Button Switch |
| 12A7500E76 | 1 | CONTACT BLOCK/MOUNTING LATCH, 1-NC Contact Block for 12A7500E57 |
| 12A7500E56 | | A/B PUSH BUTTON SWITCH (GREEN) "2PB" Start Push-Button Switch |
| 12A7500E75 | 1 | CONTACT BLOCK/MOUNTING LATCH, 1-NO Contact Block for 12A7500E56 |
| 12A7500E58 | 1 | A/B PUSH BUTTON SWITCH (WHITE) "3PB" Manual Harvest Switch |
| 12A7500E75 | 1 | CONTACT BLOCK/MOUNTING LATCH, 1-NO Contact Block for 12A7500E58 |
| 12A7500E78B | 1 | BLUE LED LIGHT MODULE/MOUNTING LATCH "1LT" Freezing |
| 12A7500E78W | 1 | WHITE LED LIGHT MODULE/MOUNTING LATCH "2LT" Liquid Feed |
| 12A7500E78R | 1 | RED LED LIGHT MODULE/MOUNTING LATCH "3LT" Thawing |

Control Panel, Allen-Bradley I.E.C Components (Con'd)

| Part Number | Req'd | <u>Description</u> |
|-------------|-------|---|
| 12A7520E35 | 3 | BULB #755, A/B 2TL5/2TL7 PILOT LIGHT, 6.3V |
| 12A7503E22 | 2 | THAW TIMER, 8 PIN PLUG-IN, 100-240V., 50/60HZ "2TR" or "DT" |
| 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 |

Note: A timer is the standard method to control the "Freeze Cycle" on P24FL Units. Analogue were used until the mid-1990's at that time a change was made to digital timers which are still used. Please verify the type timer being replaced along with the control voltage to ensure the replacement is provided.

| replacement is pr | or.aoa. | |
|-------------------|---------|---|
| 12A7503E3K | 1 | KIT, EAGLE DIGITAL TIMER , 208/240V 50/60 HZ <i>Primary Freezing Timer</i> |
| 12A7503E4K | 1 | KIT, EAGLE DIGITAL TIMER, 120 VOLT 50/60HZ Primary Freezing Timer |
| 12A7503E04 | 1 | TIMER, 0-60MIN EAGLE SIGNAL #HP56B601, 240V.,60HZ Analogue Primary Freezing Timer |
| 12A7503E03 | 1 | TIMER, 0-30MIN EAGLE SIGNAL #HP55B601, 240V.,60HZ Analogue Primary Freezing Timer |
| 12A7503E2 | 1 | TIMER, 0-15MIN EAGLE SIGNAL #HP518B601, 240V.,60HZ Analogue Primary Freezing Timer |
| 12A7503E05 | 1 | TIMER, 0-10MIN EAGLE SIGNAL #HP54B601, 240V.,60HZ Analogue Primary Freezing Timer |
| 12A7503E06 | 1 | TIMER, 0-60MIN EAGLE SIGNAL #HP56A601, 120V.,60HZ Analogue Primary Freezing Timer |
| 12A7503E02 | 1 | TIMER, 0-30MIN EAGLE SIGNAL #HP55A601, 120V.,60HZ Analogue Primary Freezing Timer |
| 12A2117C03 | 1 | FREEZER PRESSURE SWITCH, ASCO PG16A Option to Freeze Timer, requires Transducer (12A2117T03) |
| 12A2117T03 | 1 | TRANSDUCER, ASCO RANGE 6-60 PSI Used with Freezer Pressure Switch 12A2117C03 |
| 12A7517E27 | 1 | RELAY, AB, 10A, 2-NO/2-NC, 208/240 "1CR" Relay (Replaces 12A7517E02-700N200A2) |
| 12A7517E28 | 2 | A/B RELAY, 10A, 3-NO/1-NC, 208/240 "2CR" & "3CR" Relay (Replaces 12A7517E02-700N200A2) |
| 12A7517E32 | 1 | RELAY, 10A, 2 NO/2 NC, 120V "CR1" Relay for 120 Volt Controls |

Control Panel, Allen-Bradley I.E.C Components (Con'd)

| Part Number | Req'd | <u>Description</u> |
|--------------|-------|---|
| 12A7517E33 | 2 | RELAY, 10A,3 NO/1 NC, 120V "CR2 or CR3" Relay for 120 Volt Controls |
| 12A7518E30 | | A/B AUX. CONTACT, 3A, 1 NO/1 NC, (SIDE MOUNT) |
| 12A7503E38 | 1 | A/B TIMER, PNEUMATIC, ON-DELAY FOR 700-CF RELAY Time Delay for Cutter Motor on "1CR" Relay |
| 12A7530E54UL | 1 | MANUAL MOTOR STARTER, 1.6-2.5A |
| 12A7530E55UL | 1 | MANUAL MOTOR STARTER, 2.5-4.0A |
| 12A7530E56UL | 1 | MANUAL MOTOR STARTER, 4.0-6.3A |
| 12A7530E57UL | 1 | MANUAL MOTOR STARTER, 6.3-10.0 AMP |
| 12A7518E33UL | 2 | AUX. CONTACT, 6A, 1 NO TRIP, 1 NC TRIP Auxillary for Water Pump and Cutter Motor Starter |

Note: If replacing Water Pump Or Cutter Motor Contactor in Pre-1993 Allen Bradley Panel or I Cutler-Hammer Control Panel, the Contactor and Overload Relays listed below will be require drawing avavilable upon request). Amp rating on motors should be set in compliance with na amp rating when setting the overload relay.

| 12A7516E24 | 1 | A/B CONTACTOR, 12-AMP, 3 POLE, 208/240V W/1-NO AUX "2M" Water Pump or "3M" Cutter Motor (12-amp Max) |
|-------------|---|--|
| | | Water Pump or Cutter Motor Contactor (12-amp Max) |
| 12A7538E11 | 1 | OVERLOAD RELAY, 1-5AMP SOLID STATE |
| | | Cutter Motor or Water Pump 460 Volt |
| 12A7538E12 | 1 | OVERLOAD RELAY, 3.2-16AMP SOLID STATE |
| | | Cutter Motor or Water Pump 230 Volt |
| 12A7519E31 | | TRANSFORMER, HEVI-DUTY 1KVA 240/480-120/240 60HZ |
| 12A7519E24 | | TRANSFORMER, HEVI-DUTY, 1KVA, 380/400/50 HZ, |
| 12A7515E21S | 1 | CIRCUIT BREAKER, 3A, 2 POLE, 4 |
| | | "CB4" Control Circuit (460 Volt Machine) |
| 12A7515E22S | 1 | CIRCUIT BREAKER, 6A, 2 POLE, 4 |
| | | "CB4" Control Circuit (230 Volt Machine) |

Freezer Components

| Part Number | Req'd | <u>Description</u> |
|--------------|-------|--|
| 12A2600G08 | 1 | FREEZER COVER GASKET 27" x 22" x 3/16" |
| 12B2145C04 | 1 | P24 POLYCARBONATE FREEZER COVER W/VENT HOLE |
| | | (Requires the Foot Valve & Bulkhead Fitting below) |
| 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 |
| 404 4000 700 | | Requires 3/8" Bolt, Nut & Washers |
| 12A4009R02 | | PLUG, RUBBER 1"OD X 2 1/2"LG FOR 1-1/4" TUBES |
| 4044000000 | | Requires 3/8" Bolt, Nut & Washers |
| 12A4009R03 | | PLUG, RUBBER 1 1/4"OD X 2 1/2" FOR 1-1/2" TUBES Requires 3/8" Bolt, Nut & Washers |
| 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 |
| | | (Use this washer for 1" tubes) |
| 12A2250A109 | 2 | WASHER, CUT 3/8" x 7/8" O.D. SS |
| | | (Use this washer for 1 1/4", 1 1/2" tubes) |
| 12A2625G02 | 1 | GAGE GLASS 1/2" X 27-1/8" LONG |
| | | For Use with Brass Hand Wheel Gage Cock Valves |
| 12A2625G11 | 1 | GAGE GLASS, 1/2" X 28 3/8" LONG |
| | | For Use with Service Wrench Gage Cock Valves |
| 12A2625G05 | 1 | GAGE GLASS 1/2" X 29" LONG |
| | | For Custom Application (Cut to Fit) |
| 19T2635G06 | 1 | GAGE GLASS GUARD SET, 27 1/4" |
| | | For Use with Service Wrench Gage Cock Valves |
| 12A2635G06 | 1 | GAGE GLASS GUARD 60" LENGTH |
| | | For Custom Application (Cut to Fit) |
| 12A4199V26 | 2 | GAGE GLASS PACKING O-RING FOR 1/2" DIAMETER |
| 12A4200J0405 | 1 | UPPER GAGE COCK VALVE, STEEL |
| | | Replaced Brass Hand Wheel Valve - May 1999 |
| 12A4200J0406 | 1 | LOWER GAGE COCK VALVE, STEEL |
| | | Replaced Brass Hand Wheel Valve - May 1999 |
| 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 not the design pressure of the vessel.

| 12A4200L0411 | 2 | RELIEF VALVE SET @ 275#, 1/2" MPT x 3/4" FPT |
|--------------|---|--|
| 12A4200M0402 | 1 | 3-WAY VALVE 1/2" NPT |

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 curr drive setup and at the same time, the entire water tank and cutter was changed to stainly Reliance one piece gearmotors were used until a design change in 1998 to the separate Grov and U.S. Motor. Note: Grove and Reliance reducers require different mounting configuation not interchangeable.

| not interchangear | | 5 |
|-------------------|-------|--|
| Part Number | Req'd | <u>Description</u> |
| 12A2900M0701 | 1 | GEARMOTOR, RELIANCE R56WG21A ,1HP 230/460V-3P-60HZ For Belt-Driven Cutters Prior to 1977 |
| 12A2900M0702 | 1 | GEARMOTOR, RELIANCE, 1HP 230/380/460V-3P-50/60HZ Direct Drive Units with Stainless Steel Tanks Until 1998 |
| 12A4080S1 | 1 | SEAL, KIT #07901938AC FOR RELIANCE 1HP GEARMOTOR |
| 12A2900M0704 | 1 | GEARMOTOR, GROVE 15:1, 1-1/2HP, 230-460V-3P-50/60HZ |
| | | Direct Drive Units Built Since 1998 |
| 12A2900M0705 | 1 | MOTOR, 1 1/2 HP, FOR GROVE GEARMOTOR 12A2900M0704 |
| 12A4030R1 | 1 | REDUCER, GROVE 10:1 FOR GEARMOTOR 12A2900M0704 |
| 12B2615D03 | 1 | P24 DRIVE GEAR , ALUMINUM / BRONZE 9-1/4" PD, 72 TEETH Replaces Cast Iron Gear |
| 12B2060B01 | 1 | DRIVE GEAR HUB, STAINLESS STEEL 1-1/8" BORE For use with Grove gearmotor |
| 12B2060B04 | 1 | DRIVE GEAR HUB, 7/8" BORE STAINLESS STEEL For Aluminum Bronze Gear (Will not work with Cast Gear) |
| 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" |
| | | (This pin used to secure ring gear to cutter) |
| 126087 | 1 | BELT 630XH200 DIAMOND FOR P24 BOTTOM DRIVE CUTTER |

Cutter Internals

| Part Number | Req'd | <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 For Adaptor Plates |
| 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 Kit Contains Items for Cutter Maintenance and Rebuild |

Water Tank/Circulating Water

| Part Number | Req'd | <u>Description</u> |
|----------------|-------|---|
| 19T2165C03 | 1 | S.S. CUTTER/TANK ASSEMBLY FOR P24 |
| | | Includes complete cutter assembly and drive train, water tank |
| | | tines disc, & bearing support. Does not include water pump |
| | | or internal water piping (specify tube size when ordering) |
| 12A2600G09 | 1 | WATER TANK GASKET 30" x 27" x 3/16" |
| 12A4200H0606 | 1 | VALVE, FLOAT, ROBERTS 3/4" MPT, LEAD FREE BRASS |
| | | Current Valve since 1994 (Requires 21" Water Box Width) |
| 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 |
| | | Water Tank Flush Valve (Replaces Sporlan & Jake Evans) |
| 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 Circulating Water (Priced per ft.) |
| 12A4181T06 | 12 | TUBING, TYGON B-44-3, 1-1/2" OD x 1-1/4" ID |
| 12/14/10/1700 | 12 | Overflow (Prior to 1994) (Priced per ft.) |
| 12A4181T09 | 12 | TUBING, PLASTIC, CLEAR, 2" ID x 3/16" THK |
| 12/11/01/00 | | Overflow (After 1994) (Priced per ft.) |
| 12A4020S02 | 1 | PUMP, 1 1/2HP SCOT #AVF51 230/380/460V-3P-50/60HZ |
| | | Cast Iron Housing, Sidewall Mount (R-12 Units) |
| 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 |
| | | Cast Iron Housing, Sidewall Mount (R-22 Units) |
| 12A4020G23 | 1 | PUMP, GOULD SSH, 3 HP, 208-230/460V-3P-50/60HZ |
| | | Stainless Steel Housing, Bottom Flange Mount |
| 12A4080S13 | | SEAL, PUMP FOR GOULD 2 & 3HP PUMP |
| 12A2600R08 | 1 | GASKET RED RUBBER 2"ID X 6 1 |
| | | Pump Discharge Gasket for S.S. Water Pump |
| 12A2600R09 | 1 | GASKET, P24/P34 S.S. PUMP |
| | | Pump Suction Gasket for S.S. Pump |
| 12A2532F0706 | 1 | FLANGE, ROUND P.V.C., THREADED P24 -PUMP DISCHARGE |
| 12A2450E12 | 1 | ELL, PVC, 90 DEG. 2" MPT X 2" INSERT |

Liquid Line (Level Column, Steel)

| Part Number | Req'd | <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)

| Part Number | Reg'd | <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 |
| 12A2105C16 | 1 | COIL, #MKC-2 FOR SPORLAN 208/240V-50/60HZ |
| 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 |

Liquid Line (High-Side Float)

| Part Number | Req'd | <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

| Part Number | Reg'd | <u>Description</u> |
|--------------|-------|---|
| 12A4200A1403 | 1 | VALVES, HANSEN #HS4AE, 2" EXTERNAL PORT, 240V-60HZ |
| | | Replaces Alco 905H-18, Hubbell FS2004 & RS S4AE |
| 126229 | 1 | COIL, HANSEN, 208/240V-50/60HZ |
| 12A2105C08 | 1 | COIL, HANSEN, 115V-50/60HZ (1/2" FITTING) |
| 126246 | 1 | COIL, RS #201402 (240/60HZ) FOR S4AE & S7A |
| 126247 | 1 | COIL, RS #201406, A3M PKGD, (230/50HZ) FOR S4AE & S7A |
| 12A4200B1403 | 1 | CHECK VALVE, HANSEN 2" (9-7/8" LONG, FEMALE FLGS) |
| | | Note: Henry & Hubbell check valves both obsolete |
| 12A4140S18 | 1 | STRAINER, HANSEN ST200 2" |

Valves-Flanges-Gaskets

| Part Number | Req'd | Description |
|--------------|-------|--|
| 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 |
| 12A4200G1406 | | VALVE, 2" SOC WELD HANSEN GS20 |
| 12A4200G1408 | | VALVE, ANGLE, 2" SOCKET WELD W |
| 12A4200G1604 | | VALVE, 2 1/2" SOCKET WELD HANS |
| 12A4200G1806 | | VALVES, GLOBE, STOP 3" WELD HANSEN |
| 12A2538S0106 | | FLANGE SET, 3/4" FPT, HANSEN 2-BOLT |
| 12A2538S0107 | | FLANGE SET, 1" FPT, HANSEN 2-BOLT |
| 12A2530G0206 | | FLANGE, 2" HENRY GROOVE SOCKET WELD |
| 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 |
| 12A2530G021 | | FLANGE, 3" HENRY GROOVE SOCKET WELD |
| 12A2530G0212 | | FLANGE, 4" HENRY GROOVE SOCKET WELD |
| 12A2530T0212 | | FLANGE, 4" 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 |
| 12A2600F08 | | GASKET, 4" HENRY |

Pressure Line & Fittings

| Part Number | Req'd | <u>Description</u> |
|--------------|-------|--|
| 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 |