

P24A Series Parts List

Note: The P24A packaged ammonia machine was introduced in 1971. The first models were built with York compressors with direct drive motors. Mycom compressors were used as well as Vilter compressors over the years. The original control panel utilized Allen-Bradley NEMA components, and in mid-1993 changed to include Cutler-Hammer components. The control panel was changed to Allen Bradley I.E.C components in mid-1999

Control Panel Components (Allen-Bradley prior to 1993)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2117C03	1	FREEZER PRESSURE SWITCH, ASCO PG16A <i>Replaces Mercoïd Control #DA/524/2</i>
12A2117T03	1	TRANSDUCER, ASCO RANGE 6-60 PSI <i>Use with Asco Freezer Pressure Switch #12A2117C03</i>
12A2117F07	1	CONDENSER FAN CONTROL SWITCH <i>Replaces Mercoïd Control #DA/24/3B or Asco 12A2117E02</i>
12A2452M02	1	CONNECTOR, MALE, 1/4" MPT x 1/4" TUBING
12A2590G12	1	GAGE, 4 1/2" DIAMETER, 30"-150# 1/4" BC, AMMONIA <i>Suction Pressure Gage</i>
12A2590G13	1	GAGE, 4 1/2" DIAMETER, 30"-300# 1/4" BC, AMMONIA <i>Discharge Pressure Gage</i>
12A2117D01	1	HI/LOW PRESSURE SWITCH
12A7500E1	1	A/B SELECTOR SWITCH 800T WITH-HAND-AUTO
12A7500E15	1	C/H PUSH-BUTTON SWITCH (RED) W/STOP NAMEPLATE <i>(Replaces A/B 800T)</i>
12A7500E17	1	C/H PUSH-BUTTON SWITCH (GREEN) W/START NAMEPLATE <i>(Replaces A/B 800T)</i>
12A7503E22	1	THAW TIMER, 8 PIN PLUG-IN, 100-240V., 50/60HZ <i>Replaces all other timers (base needed for replacement)</i>
12A7503E2201	1	TIMER BASE #0T08-PC, EIGHT PIN PLUG-IN
12B7503E18	1	ELAPSED TIME INDICATOR, 230V, 60HZ PANEL MOUNT
12B7503E17	1	ELAPSED TIME INDICATOR, 220V, 50HZ PANEL MOUNT
12A7517E02	3	RELAY 700N200A2 240-60/220-50 <i>"CR" Relay</i>
12A7518E01		CONTACT CARTRIDGE 700-C1 FOR A/B N-TYPE RELAYS
12A7503E07		TIMER 700-NT PNEUMATIC FOR N TYPE RELAY
12A7520E02	1	PILOT LIGHT LENS "RED" DIALCO (9/16" MOUNT LIGHT)
12A7520E03	1	PILOT LIGHT LENS "AMBER" DIALCO (9/16" MOUNT LIGHT)
12A7520E07	1	PILOT LIGHT LENS "WHITE" DIALCO (9/16" MOUNT LIGHT)
12A7520E06	3	PILOT LIGHT RECEPTACLE DIALCO (9/16" MOUNTING HOLE) <i>Front Mounted Receptacle</i>
12A7520E08	3	LAMP, NEON, DIALCO #B2A, 115V/6 <i>(Also used in the rear mounted receptacles)</i>
12A7520E09	1	PILOT LIGHT, RED, 250V OSLO (SQ w/RECT. MOUNT HOLE)
12A7520E1	1	PILOT LIGHT, AMBER, 250V OSLO (SQ w/RECT. MOUNT HOLE)
12A7520E11	1	PILOT LIGHT, CLEAR, 250V OSLO (SQ w/RECT. MOUNT HOLE) <i>Note: Square Lights with rectangular hole used 1989-93</i>
12A7519E03	1	CONTROL CIRCUIT TRANSFORMER, 460V-230V, 1KVA

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Control Panel Components (Allen-Bradley prior to 1993) (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A7530E05	2	A/B STARTER 509-AOA 240V SIZE 0 3-POLE Water Pump or Cutter Motor Starter Requires 3-W Heaters, Replaces A/B 709 Series Starters
12A7504E01	2	FUSE,FNM 10,10 AMP,250VAC FUST Control Circuit Fuse
12A7504E06		FUSE FRS-15 600V.,15AMP.
12A7504E03		FUSE, FRS-20 600V., 20AMP
12A7519E03		CONTROL CIRCUIT TRANSFORMER, 460V-230V, 1KVA
12A7508E03		HEATER,ALLEN-BRADLEY W-35, FLA 1.96
12A7508E04		HEATER,ALLEN-BRADLEY W-36, FLA 2.16
12A7508E05		HEATER,ALLEN-BRADLEY W-37, FLA 2.36
12A7508E24		HEATER,ALLEN-BRADLEY W-38, FLA 2.60
12A7508E06		HEATER,ALLEN-BRADLEY W-41, FLA 3.48
12A7508E07		HEATER,ALLEN-BRADLEY W-42, FLA 3.86
12A7508E08		HEATER,ALLEN-BRADLEY W-43, FLA 4.23
12A7508E09		HEATER,ALLEN-BRADLEY W-44, FLA 4.68
12A7508E1		HEATER,ALLEN-BRADLEY W-45, FLA 5.18
12A7508E11		HEATER,ALLEN-BRADLEY W-48, FLA 6.94
12A7508E22		HEATER,ALLEN-BRADLEY W-50, FLA 8.45
12A7508E12		HEATER,ALLEN-BRADLEY W-51, FLA 9.29
12A7508E29		HEATER,ALLEN-BRADLEY W-52, FLA 10.3
12A7508E25		HEATER,ALLEN-BRADLEY W-57, FLA 16.3
12A7508E13		HEATER,ALLEN-BRADLEY W-59, FLA 18.3
12A7508E14		HEATER,ALLEN-BRADLEY W-60, FLA 20.9
12A7508E3		HEATER,ALLEN-BRADLEY W-63, FLA 27.6
12A7508E15		HEATER,ALLEN-BRADLEY W-66, FLA 40.0
12A7508E26		HEATER,ALLEN-BRADLEY W-68, FLA 46.0
12A7508E27		HEATER,ALLEN-BRADLEY W-70, FLA 53.0
12A7508E28		HEATER,ALLEN-BRADLEY W-71, FLA 59.0
12A7508E16		HEATER,ALLEN-BRADLEY W-72, FLA 63.0
12A7508E17		HEATER,ALLEN-BRADLEY W-73, FLA 67.0
12A7508E18		HEATER,ALLEN-BRADLEY W-74, FLA 71.0
12A7508E19		HEATER,ALLEN-BRADLEY W-75, FLA 76.0
12A7508E2		HEATER,ALLEN-BRADLEY W-76, FLA 80.0
12A7508E21		HEATER,ALLEN-BRADLEY W-77, FLA 85.0

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Control Panel Components (Cutler-Hammer)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2117C03	1	FREEZER PRESSURE SWITCH, ASCO PG16A
12A2117T03	1	TRANSDUCER, ASCO RANGE 6-60 PSI <i>Use with Asco Freezer Pressure Switch #12A2117C03</i>
12A2117F07	1	CONDENSER FAN CONTROL SWITCH
12A2590G12	1	GAGE, 4 1/2" DIAMETER, 30"-150# 1/4" BC, AMMONIA <i>Suction Pressure Gage</i>
12A2590G13	1	GAGE, 4 1/2" DIAMETER, 30"-300# 1/4" BC, AMMONIA <i>Discharge Pressure Gage</i>
12A2117D01	1	HI/LOW PRESSURE SWITCH
12A7500E42	1	C/H SELECTOR SWITCH 2-POSITION <i>"1SS" Hand/Auto Switch</i>
12A7500E26	1	SWITCH C/H #10250T30R RED NO-N <i>"1PB" Stop Push-Button Switch</i>
12A7500E25	1	SWITCH C/H #10250T30G GREEN NO <i>"2PB" Start Push-Button Switch</i>
12A7500E41	1	SWITCH C/H #10250TW WHITE N.O. <i>"3PB" Manual Harvest Switch</i>
12A7503E22	2	THAW TIMER, 8 PIN PLUG-IN, 100-240V., 50/60HZ <i>"2TR" or "DT" (Compressor Unloader)</i>
12A7503E2201	2	TIMER BASE #0T08-PC, EIGHT PIN PLUG-IN
12B7503E18	1	ELAPSED TIME INDICATOR, 230V, 60HZ PANEL MOUNT
12B7503E17	1	ELAPSED TIME INDICATOR, 220V, 50HZ PANEL MOUNT
12A7520E24		PILOT LIGHT ASSEMBLY C/H #1025 AMBER <i>"1LT" Freezing</i>
12A7520E25		PILOT LIGHT ASSEMBLY C/H #1025 CLEAR <i>"2LT" Liquid Feed</i>
12A7520E26		PILOT LIGHT ASSEMBLY C/H #1025 RED <i>"3LT" Thawing</i>
12A7515E09	1	CIRCUIT BREAKER, 30 AMP. WESTINGHOUSE <i>"CB2"</i>
12A7515E08	1	CIRCUIT BREAKER, 15 AMP. WESTINGHOUSE <i>"CB3"</i>
12A7517E2	2	C/H RELAY #D15CRY3 (W/ 3-N/O, 1-N/C) <i>"CR" Relay</i>
12A7503E36	1	TIMER PNEUMATIC CUTLER HAMMER <i>Time Delay for Cutter Motor on "1CR" Relay</i>
12A7530E11		C/H STARTER #AE16BNY, 3-POLE <i>"3M" Cutter Motor</i>

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Control Panel Components (Cutler-Hammer) (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A7530E2	1	STARTER CUTLER/HAMMER #AE16FNO "2M" Water Pump
12A7508H2008	1	C/H HEATER PACK #H2008B 3.23-5.23 AMP Water Pump on 400/460V or Cutter Motor on 200/230V
12A7508H201	1	C/H HEATER PACK #H2010B 6.75-11.0 AMP Water Pump on 200/230V
12A7508H2006		C/H HEATER PACK #H2006B 1.79-2.90 AMP Cutter Motor on 400/460V
12A7519E03		CONTROL CIRCUIT TRANSFORMER, 460V-230V, 1KVA
12A7515E16	1	CIRCUIT BREAKER CUTLER HAMMER 6AMP, 2-POLE "CB4" Control Circuit

Control Panel Components (Allen-Bradley since 1999)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2117C03	1	FREEZER PRESSURE SWITCH, ASCO PG16A "2PS"
12A2117T03	1	TRANSDUCER, ASCO RANGE 6-60 PSI Use with Asco Freezer Pressure Switch #12A2117C03
12A2117F07	1	CONDENSER FAN CONTROL SWITCH
12A2590G12	1	GAGE, 4 1/2" DIAMETER, 30"-150# 1/4" BC, AMMONIA Suction Pressure Gage
12A2590G13	1	GAGE, 4 1/2" DIAMETER, 30"-300# 1/4" BC, AMMONIA Discharge Pressure Gage
12A2117D01	1	HI/LOW PRESSURE SWITCH
12A7500E60	1	A/B SELECTOR SWITCH, 2 POSITION "1SS" Hand/Auto Switch
12A7500E74	1	CONTACT BLOCK/MOUNTING LATCH, 1-NO, 1-NC Used with 12A7500E60
12A7500E57	1	A/B PUSH BUTTON SWITCH (RED) "1PB" Stop Push-Button Switch
12A7500E56	1	A/B PUSH BUTTON SWITCH (GREEN) "2PB" Start Push-Button Switch
12A7500E58	1	A/B PUSH BUTTON SWITCH (WHITE) "3PB" Manual Harvest Switch
12A7503E22	2	THAW TIMER, 8 PIN PLUG-IN, 100-240V., 50/60HZ "2TR" or "DT" (Compressor Unloader)

P24A Series Parts List

Control Panel Components (Allen-Bradley since 1999) (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A7503E2201	2	TIMER BASE #0T08-PC, EIGHT PIN PLUG-IN
12B7503E21	1	ELAPSED TIME INDICATOR, 220V, 60HZ, DIN RAIL MOUNT
12B7503E20	1	ELAPSED TIME INDICATOR, 220V, 50HZ, DIN RAIL MOUNT
12A7500E62	1	A/B PILOT LIGHT OPERATOR, BLUE (7/8" NOTCHED HOLE) "1LT" Freezing
12A7500E63	1	A/B PILOT LIGHT OPERATOR, CLEAR (7/8" NOTCHED HOLE) "2LT" Liquid Feed
12A7500E64	1	A/B PILOT LIGHT OPERATOR, RED (7/8" NOTCHED HOLE) "3LT" Thawing
12A7500E78	3	INCANDESCENT LIGHT MODULE FOR PILOT LIGHT
12A7520E35	3	BULB #755, A/B 2TL5/2TL7 PILOT LIGHT, 6.3V
12A7517E28	2	A/B RELAY, 10A, 3-NO/1-NC, 208/240 "CR" Relay
12A7503E38	1	A/B TIMER, PNEUMATIC, ON-DELAY Time Delay for Cutter Motor on "1CR" Relay
12A7516E23	1	A/B CONTACTOR, 9-AMP, 3-POLE, 208/240V W/1-NO AUX "2M" Water Pump or "3M" Cutter Motor (9-amp Max)
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)
12A7516E25	1	A/B CONTACTOR, 16-AMP, 3-POLE, 208/240V W/1-NO AUX "2M" Water Pump or "3M" Cutter Motor (16-amp Max)
12A7530E54	1	MANUAL MOTOR STARTER, 1.6-2.5 AMP OVERLOAD
12A7530E55	1	MANUAL MOTOR STARTER, 2.5-4.0 AMP OVERLOAD
12A7530E56	1	MANUAL MOTOR STARTER, 4.0-6.3 AMP OVERLOAD
12A7530E57	1	MANUAL MOTOR STARTER, 6.3-10.0 AMP OVERLOAD
12A7530E58	1	MANUAL MOTOR STARTER, 10.0-16.0 AMP OVERLOAD
12A7518E33	2	A/B AUX. CONTACT, 6A, 1 NO, SIDE MOUNT Auxillary for Water Pump and Cutter Motor Starter
12A7519E03		CONTROL CIRCUIT TRANSFORMER, 460V-230V, 1KVA
12A7515E22	1	A/B CIRCUIT BREAKER, 6A, 2 POLE "CB4" Control Circuit

P24A Series Parts List

Compressor Motor Starters

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
19T7530AP200	1	COMPRESSOR MOTOR STARTER, 200-3-60, PW AMMONIA
19T7530AP230	1	COMPRESSOR MOTOR STARTER, 230-3-60, PW AMMONIA
19T7530AP400	1	COMPRESSOR MOTOR STARTER, 400-3-50, PW AMMONIA
19T7530AP460	1	COMPRESSOR MOTOR STARTER, 460-3-60, PW AMMONIA
19T7530AX200	1	COMPRESSOR MOTOR STARTER, 200-3-60, XL AMMONIA
19T7530AX230	1	COMPRESSOR MOTOR STARTER, 230-3-60, XL AMMONIA
19T7530AX400	1	COMPRESSOR MOTOR STARTER, 400-3-50, XL AMMONIA
19T7530AX460	1	COMPRESSOR MOTOR STARTER, 460-3-60, XL AMMONIA
12A7503E48	1	TIMER, ON-DELAY, 110-240VAC, 0.3-3.0 SECONDS Part Winding Start Delay Timer
12A7515E08	1	CIRCUIT BREAKER, 15 AMP. WESTINGHOUSE
12A7515E09	1	CIRCUIT BREAKER, 30 AMP. WESTINGHOUSE
12A7516E28	2	A/B CONTACTOR, 37-AMP, 3-POLE, 208/240V W/1-NO AUX. Part Wind 460V-60HZ
12A7516E30	2	A/B CONTACTOR, 72AMP, 3-POLE, 208/240V COIL Part Wind 230V-60HZ or 400V.-50HZ
12A7516E30	1	A/B CONTACTOR, 72AMP, 3-POLE, 208/240V COIL Across the Line 460V-60HZ
12A7516E31	2	A/B CONTACTOR, 110A, 3 POLE, 220V Part Wind 200V-50HZ
12A7516E31	1	A/B CONTACTOR, 110A, 3 POLE, 220V Across the Line 400V-50HZ
12A7516E36	1	A/B CONTACTOR, 180A, 3 POLE, 220V Across the Line 230V-60HZ
12A7516E37	1	A/B CONTACTOR, 250A, 3 POLE, 220V Across the Line 200V-50HZ
12A7538E02	2	SOLID STATE OVERLOAD RELAY, 12 - 37 AMP Part Wind 460V-60HZ
12A7538E04	2	SOLID STATE OVERLOAD RELAY, 26 - 85 AMP Part Wind 230V-60HZ or 400V.-50HZ
12A7538E04	1	SOLID STATE OVERLOAD RELAY, 26 - 85 AMP Across the Line 460V-60HZ
12A7538E05	2	SOLID STATE OVERLOAD RELAY, 66 - 110 AMP Part Wind 200V-50HZ
12A7538E05	1	SOLID STATE OVERLOAD RELAY, 66 - 110 AMP Across the Line 400V-50HZ
12A7538E06	1	SOLID STATE OVERLOAD RELAY, 57 - 180 AMP Across the Line 230V-60HZ

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Compressor Motor Starters (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A7538E07	1	SOLID STATE OVERLOAD RELAY, 96 - 300 AMP <i>Across the Line 200V-50HZ</i>
12A7518E30	1	A/B AUX. CONTACT, 3A, 1 NO/1 NC, (SIDE MOUNT)
12A7518E31	1	A/B AUX. CONTACT, 3A, 2 NO, (SIDE MOUNT)
12A7518E34	1	A/B AUX. CONTACT, 10A, 1 NO/1 NC, SIDE MOUNT
12A7518E35	1	A/B AUX. CONTACT, 10A, 2 NO, SIDE MOUNT
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

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 <i>(Requires the Foot Valve & Bulkhead Fitting below)</i>
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
12B2185V22	198	1-1/4" VENT TUBE WATER DISTRIBUTOR, 16GA WHITE
12B2185V32	144	1-1/2" VENT TUBE WATER DISTRIBUTOR, 16GA WHITE
12B2185V42	102	1-3/4" VENT TUBE WATER DISTRIBUTOR, 16GA WHITE
12A2055B02		BRUSH, STAINLESS STEEL #GTC210 FOR 1" TUBES
12A2055B04		BRUSH, STAINLESS STEEL #GTC210 FOR 1 1/4" TUBES
12A2055B03		BRUSH, STAINLESS STEEL FOR 1-1/2" TUBE
12A4009R01		PLUG, RUBBER 7/8" OD X 2" LG FOR 1" TUBES <i>Requires 1/4" Nuts & Bolts</i>
12A2220F1117	1	MACH BOLT, 1/4"-20NC X 2 1/2"LONG
12A2240A1107	1	NUT, HEX 1/4"-20NC S.S.
12A2250A107	2	WASHER, CUT 1/4" SS
12A4009R02		PLUG, RUBBER 1"OD X 2 1/2"LG FOR 1-1/4" TUBES <i>Requires 3/8" Nuts & Bolts</i>

P24A Series Parts List

Freezer Components (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A4009R03		PLUG, RUBBER 1 1/4"OD X 2 1/2" FOR 1-1/2" TUBES <i>Requires 3/8" Nuts & Bolts</i>
12A2215H1119	1	CAP SCREW, 3/8"-16NC X 3" LONG
12A2240A1109	1	NUT, HEX 3/8"-16NC S.S.
12A2250A109	2	WASHER, CUT 3/8" x 7/8" O.D. SS
12A7500E22	1	FLOAT SWITCH, HANSON #HLL (DIFFERENTIAL SET @ 1/2") <i>Replaces Alco FS1A or RS Type LL</i>
12A7500E24	1	SWITCH ASSEMBLY #HLL-SW FOR HANSON <i>Also can be used on RS Type LL</i>
12A2600F01	2	FLANGE GASKET FOR 3/4" & 1" 2-BOLT FLANGE
12A2625G03	1	GAGE GLASS 1/2" X 28-1/8" LONG <i>For Use with Hand Wheel 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
12A4200J0405W	1	UPPER GAGE COCK VALVE, WESTERMEYER PLATED <i>Replaced Hand Wheel Valve 12A4200J0401 - May 1999</i>
12A4200J0406W	1	LOWER GAGE COCK VALVE, WESTERMEYER PLATED <i>Replaced Hand Wheel Valve 12A4200J0402 - May 1999</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 not exceed the design pressure of the vessel.		
12A4200L0603	2	RELIEF VALVE #5602, SET @ 275, 3/4" FPT x 1" FPT
12A4200M0601	1	3-WAY VALVE #8022A, 3/4"

P24A Series Parts List

Cutter Drive

Note: The cutters on the original P24 units were nickel plated carbon steel driven by a belt and pulley system off the bottom of a galvanized water tank. In 1977, the design was changed to the current direct drive setup and at the same time, the entire water tank and cutter was changed to stainless steel. Reliance one piece gearmotors were used until a design change in 1998 to the separate Grove reducer and U.S. Motor. Note: Grove and Reliance reducers require different mounting configuration 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 12A2900M0704/06
12A4030R1	1	REDUCER, GROVE 10:1 FOR GEARMOTOR 12A2900M0704
12B2615D03	1	P24 DRIVE GEAR , ALUMINUM / BRONZE 9-1/4" PD, 72 TEETH <i>Replaces Cast Iron Gear</i>
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 (Will not work with Cast Gear)</i>
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 ADAPTER 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
19T4090S03	1	P24/34 CUTTER SHAFT
12A2020M02	3	P24/34 CUTTER BEARING
12A4080S02	2	SEAL, 9043LPD OR 9043LUP, 3"O.D. X 2" I.D. X 1/2" W.
12A2210E01	1	UPPER EXCLUDER, 1.625" ID x 3.5" OD
12A2210E04	1	LOWER EXCLUDER, 3.5" ID x 5.625" OD
19T4130C01	1	P24/34 UPPER BEARING SPACER
19T4130C02	1	P24/34 TINES DISC HUB SPACER

P24A Series Parts List

Cutter Internals (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
19T4130C03	1	P24/34 SEAL SPACER
19T4130C04	1	P24/34 LOWER BEARING SPACER
19T4065R01	1	P24/34 CUTTER RETAINING SPACER
12A2600R02	1	RETAINING GASKET 1 3/4" OD x 7/16" ID x 1/8" RED RUBBER
12A2240E1216	1	P24/34 TINES DISC SLOTTED NUT, 1"-14NF,S.S.
12A3040S06	1	COTTER PIN, 3/16 x 1-1/2" S.S.
12A4138S01	1	DISC SPRING #SAM502520
12A2785S01	1	KEY, 3/8" x 5/16" x 3/4" LONG

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, & 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"
12A4200H0601	1	FLOAT VALVE, 3/4" MPT ROBERTS #R700L, 3/4" MPT 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
127668	1	FLOAT VALVE MCDONNELL & MILLER 27W, 3/4" FPT
12A4200A0607	1	VALVES, SOLENOID, 3/4" FPT SPORLAN WATER Water Tank Flush Valve (Replaces JE #GP607)
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.,50/60HZ FOR GP607
12A4170T01	1	THERMOMETER, WEKSLER 2T04B,2"
12A4205G0601	1	BRASS WATER VALVE 3/4" FPT NO 75 NIBCO
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 Overflow (Prior to 1994) (Priced per ft.)
12A4181T09	12	TUBING, PLASTIC, CLEAR, 2" ID x 3/16" THK 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
12A2600G03	1	PUMP SUCTION GASKET, 7 1/2" x 4 1/2" x 3/16"
12A4020G16	1	PUMP, GOULD SSH, 2HP 208-230/460V-3P-50/60HZ Stainless Steel Housing, Bottom Flange Mount

P24A Series Parts List

Compressors/Components

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

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2110C0002	1	COMPRESSOR, MYCOM N6WA W/SS OIL COOLER
12A2110P0102	1	SHAFT SEAL KIT FOR MYCOM N6A COMPRESSOR
12A7509E01	1	MYCOM CRANKCASE HEATER, 300 WATT 230V-60HZ
126532M	1	CUNO OIL FILTER (MYCOM)
126617	1	GASKET SET FOR N6A MYCOM COMPRESSOR
12A2600M01	1	GASKET #4-15C MYCOM SUCTION
126615M	2	GASKETS HANDHOLE COVER 3-1A
12A2590G02	1	GAGE, OIL PRESSURE, FOR MYCOM
12A2110P0403	1	OIL FILTER 1448C FOR VILTER 454XL W/GASKET
12A2600V05	1	DISCHARGE GASKET, 2-1/2" FOR VILTER 454XL
12A2600V06	1	SUCTION GASKET, 3" FOR VILTER 454XL
12A2590G14	1	GAGE , VILTER #1204E, 300 PSI, 1/4"
12A2590G15	1	OIL PRESSURE GAGE , VILTER #2047A , 2 1/2" DIAL 0-300
12A2590P01	1	GAGE STEADY-MOUNT #A17311SS
12A2117A02	1	OIL PRESSURE SWITCH, AMMONIA, P28AN-1
12A4200E0404	1	VALVES, WATER REGULATING, PEN
12A4200A0607	1	VALVES, SOLENOID, 3/4" FPT SPORLAN WATER
12A4170W01	1	THERMOMETER, WELL SS, 3/4"MPT
12A4170T01	1	THERMOMETER, WEKSLER 2T04B,2"
12A4170T02	1	THERMOMETER, MYCOM #4-25 DISCHARGE 0-400 DEG F.
12A2030B03M	1	COMPRESSOR DRIVE BELT 5-MATCHED 5C/108 (112" OD) <i>Use with Mycom N6A</i>
12A2030B07	1	COMPRESSOR DRIVE BELT, SET (4) VILTER #1805L, 112" <i>Use with Vilter 454XL and 60HP Motor</i>
12A3025F01	1	OIL SEPERATOR FLOAT VALVE ASSY FOR ACR #SN1904A
12A2900M1503	1	COMPR DRIVE MOTOR, 60HP FR 364T,1800RPM,230/460

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
12A2625G03	1	GAGE GLASS 1/2" X 28-1/8" LONG <i>For Use with Hand Wheel Gage Cock Valves</i>
12A4200E1403	1	WATER REG VALVE, 2" W/SS BELLOWS FOR AMMONIA

P24A Series Parts List

Condenser/Receiver (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
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
12A4200J0405W	1	UPPER GAGE COCK VALVE, WESTERMEYER PLATED <i>Replaced Hand Wheel Valve 12A4200J0401 - May 1999</i>
12A4200J0406W	1	LOWER GAGE COCK VALVE, WESTERMEYER PLATED <i>Replaced Hand Wheel Valve 12A4200J0402 - May 1999</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 not exceed the design pressure of the vessel.		
12A4200L0405	2	RELIEF VALVE #5601 SET @ 275#, 1/2" IN x 1" OUT
12A4200M0401	1	3-WAY VALVE #8021A, 1/2" AMMONIA
19553	124	CONDENSER TUBE, 1 1/4" OD x .109" WALL, 84" LG CS A214
19553A	124	CONDENSER TUBE, 1 1/4" OD x .065" WALL, 84" LG SS T304

Liquid Line

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A4200C0604	1	EXPANSION VALVE, HANSEN 3/4" SOCKET WELD
12A4200A06	1	VALVES, SOLENOID, HANSEN #HS7, 3/4" PORT <i>Replaces Alco M511 & Hansen HS8</i>
12A4140S05	1	STRAINER, HANSEN #ST100D, 3/4"
12A2600F01		FLANGE GASKET FOR 3/4" & 1" 2-BOLT FLANGE
12A4200B0602	1	CHECK VALVE, HANSEN, 1-1/4" PORT WITH ADAPTOR RING
126229	1	COIL, HANSEN #70-1063,208/240V-50/60HZ W/JUNCTION BOX
12A2105C08	1	COIL, HANSEN #70-1057, 115V-50/60HZ (1/2" FITTING)
12A4199V52	1	REPAIR KIT #70-1018 FOR HANSEN HS7
12A7500E22	1	FLOAT SWITCH, HANSON #HLL (DIFFERENTIAL SET @ 1/2") <i>Replaces Alco FS1A or RS Type LL</i>
12A7500E24	1	SWITCH ASSEMBLY #HLL-SW FOR HANSON <i>Also can be used on RS Type LL</i>
12A2600F01	2	FLANGE GASKET FOR 3/4" & 1" 2-BOLT FLANGE

P24A Series Parts List

Thawing Gas Line

<u>Part Number</u>	<u>Req'd</u>	<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 #70-1063,208/240V-50/60HZ W/JUNCTION BOX
12A2105C08	1	COIL, HANSEN #70-1057, 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
12A4140S03	1	STRAINER, HUBBELL 2", W/ 1/4" FPT CONNECTION

Valves-Flanges-Gaskets

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A4200G0202		ANGLE VALVE, 1/4" MPT x 1/4" FPT
12A4200G0402		ANGLE VALVE, 1/2" MPT x 1/2" FPT
12A4200G0403		ANGLE VALVE, 1/2" FPT x 1/2" FPT
12A4200G0603		ANGLE VALVE, 3/4" FPT x 3/4" FPT
12A4200G1403		ANGLE VALVE, 2" FLANGED HENRY
12A4200G1404		GLOBE VALVE, 2" FLANGED HENRY
12A4200G1601		GLOBE VALVE, 2 1/2" FLANGED HENRY
12A4200G1802		ANGLE VALVE, 3" FLANGED HENRY
12A4200G1801		GLOBE VALVE, 3" FLANGED, HENRY
12A4200G1803		ANGLE VALVE, 3" FLANGED VILTER
12A4200G2101		ANGLE VALVE, 4" FLANGED HENRY
12A4200G21		GLOBE VALVE, 4" FLANGED HENRY
12A4200G2102		GLOBE VALVE, 4" 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
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

P24A Series Parts List

Valves-Flanges-Gaskets (Con'd)

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

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A4182S03		TUBING, 1/4" OD TYPE 304 STAINLESS (PRICED PER FT)
12A2452M02		CONNECTOR, MALE, 1/4" MPT x 1/4" TUBING
12A2452M01		CONNECTOR, MALE 1/8" MPT x 1/4" TUBING
12A2452F01		CONNECTOR, FEMALE 1/4" FPT 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

Goldenrod Water Treatment

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2195W0901	1	GOLDENROD WATER TREATMENT, 9" - 25 GPM - NSF
12A2195I01	2	INSULATOR, DELRON FOR 5", 9", OR 12" GOLDENROD
12A2195W0504	1	DELRON THREADED PLUG FOR GOLDENROD