

P34AL Series Parts List

Note: The P34AL low-side ammonia machine began production in 1976. 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)

Part Number	Req'd	Description
12A2590G12	1	GAGE, 4 1/2" DIAMETER, 30"-150# 1/4" BC, AMMONIA Suction Pressure Gage (Optional)
12A2590G13	1	GAGE, 4 1/2" DIAMETER, 30"-300# 1/4" BC, AMMONIA Discharge Pressure Gage (Optional)
12A2117D01	1	HI/LOW PRESSURE SWITCH (Optional, Replaces Mercoid Controls)
12A7500E1	1	A/B SELECTOR SWITCH 800T WITH-HAND-AUTO
12A7500E15	1	C/H PUSH-BUTTON SWITCH (RED) W/STOP NAMEPLATE (Replaces A/B 800T)
12A7500E17	1	C/H PUSH-BUTTON SWITCH (GREEN) W/START NAMEPLATE (Replaces A/B 800T)
12A7503E22	1	THAW TIMER, 8 PIN PLUG-IN, 100-240V., 50/60HZ Replaces all other timers (base needed for replacement)
12A7503E2201	1	TIMER BASE #0T08-PC, EIGHT PIN PLUG-IN
12A7503E04	1	TIMER, 0-60MIN EAGLE SIGNAL #HP56B601, 240V.,60HZ Primary Freezing Timer (Standard-Optional Timers Below)
12A7503E03	1	TIMER, 0-30MIN EAGLE SIGNAL #HP55B601, 240V.,60HZ
12A7503E2	1	TIMER, 0-15MIN EAGLE SIGNAL #HP518B601, 240V.,60HZ
12A7503E05	1	TIMER, 0-10MIN EAGLE SIGNAL #HP54B601, 240V.,60HZ
12A7503E3	1	TIMER, DIGITAL EAGLE SIGNAL #CX202B6, 208/240V.,60HZ.
12A7503E06	1	TIMER, 0-60MIN EAGLE SIGNAL #HP56A601, 120V.,60HZ
12A7503E02	1	TIMER, 0-30MIN EAGLE SIGNAL #HP55A601, 120V.,60HZ
12A7503E4	1	TIMER, DIGITAL EAGLE SIGNAL #CX202A6, 110/120V.,60HZ.
12A7503E15	1	CAM TIMER, ATC#324C06E2AR1B01K W/4-CUT CAMS 240V-60
12A7503E16	1	CAM TIMER ATC #324C06E2AR1A01K, 120V-60
12B7503E18	1	ELAPSED TIME INDICATOR, 230V, 60HZ PANEL MOUNT
12B7503E17	1	ELAPSED TIME INDICATOR, 220V, 50HZ PANEL MOUNT
12A7517E02	2	RELAY 700N200A2 240-60/220-50 "CR" Relay
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)
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) Note: Square Lights with rectangular hole used 1989-93

P34AL Series Parts List

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

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
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>
12A7519E03	1	CONTROL CIRCUIT TRANSFORMER, 460V-230V, 1KVA
12A7530E05	2	A/B STARTER 509-AOA 240V SIZE 0 3-POLE <i>Water Pump or Cutter Motor Starter</i> <i>Requires 3-W Heaters, Replaces A/B 709 Series Starters</i>
12A7504E01	2	FUSE, FNM 10, 10 AMP, 250VAC FUST <i>Control Circuit Fuse</i>
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

P34AL Series Parts List

Control Panel Components (Cutler-Hammer)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2590G12	1	GAGE, 4 1/2" DIAMETER, 30"-150# 1/4" BC, AMMONIA Suction Pressure Gage (Optional)
12A2590G13	1	GAGE, 4 1/2" DIAMETER, 30"-300# 1/4" BC, AMMONIA Discharge Pressure Gage (Optional)
12A2117D01	1	HI/LOW PRESSURE SWITCH (Optional)
12A7500E42	1	C/H SELECTOR SWITCH 2-POSITION "1SS" Hand/Auto Switch
12A7500E26	1	SWITCH C/H #10250T30R RED NO-N "1PB" Stop Push-Button Switch
12A7500E25	1	SWITCH C/H #10250T30G GREEN NO "2PB" Start Push-Button Switch
12A7500E41	1	SWITCH C/H #10250TW WHITE N.O. "3PB" Manual Harvest Switch
12A7503E22	1	THAW TIMER, 8 PIN PLUG-IN, 100-240V., 50/60HZ "2TR"
12A7503E2201	1	TIMER BASE #0T08-PC, EIGHT PIN PLUG-IN
12A7503E3	1	TIMER, DIGITAL EAGLE SIGNAL #CX202B6, 208/240V.,60HZ. Primary Freezing Timer
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 "1LT" Freezing
12A7520E25		PILOT LIGHT ASSEMBLY C/H #1025 CLEAR "2LT" Liquid Feed
12A7520E26		PILOT LIGHT ASSEMBLY C/H #1025 RED "3LT" Thawing
12A7515E09	1	CIRCUIT BREAKER, 30 AMP. WESTINGHOUSE "CB2"
12A7515E08	1	CIRCUIT BREAKER, 15 AMP. WESTINGHOUSE "CB3"
12A7517E2	2	C/H RELAY #D15CRY3 (W/ 3-N/O, 1-N/C) "CR" Relay
12A7503E36	1	TIMER PNEUMATIC CUTLER HAMMER Time Delay for Cutter Motor on "1CR" Relay
12A7530E11		C/H STARTER #AE16BNY, 3-POLE "3M" Cutter Motor

P34AL Series Parts List

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
12A7508H2007	1	C/H HEATER PACK #H2007B 2.15-3.49 AMP Cutter Motor on 400/460V
12A7508H2008	1	C/H HEATER PACK #H2008B 3.23-5.23 AMP Water Pump on 400/460V
12A7508H2009	1	C/H HEATER PACK #H2009B 4.55-7.40 AMP Cutter Motor on 200/230V
12A7508H201	1	C/H HEATER PACK #H2010B 6.75-11.0 AMP Water Pump on 200/230V
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>
12A2590G12	1	GAGE, 4 1/2" DIAMETER, 30"-150# 1/4" BC, AMMONIA Suction Pressure Gage (Optional)
12A2590G13	1	GAGE, 4 1/2" DIAMETER, 30"-300# 1/4" BC, AMMONIA Discharge Pressure Gage (Optional)
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 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

P34AL Series Parts List

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

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A7503E22	1	THAW TIMER, 8 PIN PLUG-IN, 100-240V., 50/60HZ "2TR"
12A7503E2201	1	TIMER BASE #0T08-PC, EIGHT PIN PLUG-IN
12A7503E3	1	TIMER, DIGITAL EAGLE SIGNAL #CX202B6, 208/240V.,60HZ. Primary Freezing Timer
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
12A7530E59	1	MANUAL MOTOR STARTER, 20.0-25.0 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

P34AL Series Parts List

Freezer Components

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2600G1	1	FREEZER COVER GASKET 37" OD x 33" ID x 3/16"
12B2145C07	1	P34 POLYCARBONATE FREEZER COVER W/4" VENT HOLE <i>(Requires the valve and pipe listed below when replacing stainless, galvanized or polycarbonate cover with 2-1/2" hole)</i>
12A4200B1008	1	VALVE, AIR ADMITTANCE, 4" MAXI-VENT
19T3049P0401	1	PIPE, 4" STD. WT. PVC 8" LG. (DRILLED)
19T4001S0916	4	P34 FREEZER COVER RETAINING RINGS
12A2240H4109	16	NUT, WING, BRASS, 3/8"-16NC
12A2250A12	16	WASHER, CUT 3/8" x 1" O.D. SS
12B2185V12	564	1" VENT TUBE WATER DISTRIBUTOR, 16GA WHITE
12B2185V22	420	1-1/4" VENT TUBE WATER DISTRIBUTOR, 16GA WHITE
12B2185V32	306	1-1/2" VENT TUBE WATER DISTRIBUTOR, 16GA WHITE
12B2185V42	228	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>
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>

P34AL Series Parts List

Freezer Components (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
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
12A4200L0409	2	RELIEF VALVE, HANSEN #H5601 SET @ 275, 1/2" MPT x 1" FPT
12A4200M0402	1	3-WAY VALVE, HANSEN #H8021, 1/2"

Cutter Drive

Note: The cutters on the original P34 units were nickel plated carbon steel with a galvanized water tank. In 1977 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.

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2900M0801	1	GEARMOTOR, RELIANCE, 2HP 230/380/460V-3P-50/60HZ <i>Used on Units until 1998</i>
12A4080S11	1	SEAL, KIT #07901938AE FOR RELIANCE 2HP GEARMOTOR
12A2900M0803	1	GEARMOTOR, GROVE 15:1, 2HP, 230-460V-3P-50/60HZ <i>Units Built Since 1998</i>
19T2165K3400	1	GEARMOTOR REPLACEMENT KIT, RELIANCE TO GROVE-P34 <i>(Grove Gearmotor, Mounting Plate, Spit Taper Bushing)</i>
12A2900M0805	1	MOTOR, 2 HP, FOR GROVE GEARMOTOR 12A2900M0803
12A4030R11	1	REDUCER, GROVE 15:1 FOR GEARMOTOR 12A2900M0803
12B2615D05	1	P34 DRIVE GEAR, ALUMINUM / BRONZE 12" PD, 96 TEETH <i>Replaces Cast Iron Gear</i>
12B2060B01	1	DRIVE GEAR HUB, STAINLESS STEEL 1-1/8" BORE <i>Used with Reliance gearmotors</i>
12B2060B02	1	DRIVE GEAR HUB, STAINLESS STEEL 1-1/4" BORE <i>Used with Grove gearmotors</i>
19T2615R04	1	P34 FINISHED RING GEAR
12A3040S05	8	ROLL PIN, 1/4" X 3/4" STAINLESS STEEL

P34AL Series Parts List

Cutter Internals

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
19T2035B02	2	CUTTER BLADE, P34, 15" LONG
19T2010A05	2	P34 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.
19T2025B0106	1	BEARING BRACKET ASSEMBLY FOR P34
19T2163D0403	1	TINES DISC - P34 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
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

Saw Cutter

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2900M0706	1	GEARMOTOR, GROVE 50:1, 1-1/2HP, 230-460V-3P-50/60HZ <i>Table drive gearmotor</i>
12A2900M0705	1	MOTOR, 1 1/2 HP, FOR GROVE GEARMOTOR 12A2900M0704/06
12B2615D05	1	P34 DRIVE GEAR , ALUMINUM / BRONZE 12" PD, 96 TEETH
12B2060B02	1	DRIVE GEAR HUB, STAINLESS STEEL 1-1/4" BORE
12A2900M1201	1	MOTOR, 15 HP, 2885 RPM 215T FRAME TEFC 200-400V/50Hz <i>Saw blade drive motor</i>
12A2035S34	2	BLADE, 17" DIA. P34 SAW CUTTER
12A2020M20	4	SPINDLE BEARING, #5206 or FAG3206B.2RSR.TVH
12A4080S19	4	SEAL, JOHNS MANSVILLE #9189 H1 <i>Spindle seals</i>
12A2210E06	2	SPINDLE EXCLUDER, 3" ID X 4-1/4"OD
12A2030B19	2	SPINDLE BELT, GATES POWERGRIP #320H100
12A1200T027	4	PULLEY, WOODS 2600H100 X 1" STAINLESS STEEL <i>Spindle drive and driven pulleys</i>

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Saw Cutter (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A1200T060	1	PULLEY, GATES #40H150 Center shaft driven pulley
12A1200T061	1	PULLEY, GATES #TL28H150 Center shaft drive pulley
12A2020M21	1	BEARING, FAG #7218B.TVP.UO, FOR TINES DISC
12A2020M22	3	BEARING, MRC 5306CZZ FOR CENTER SHAFT SAW CUTTER
12A2030B20	1	CENTER SHAFT DRIVE BELT, GATES POWERGRIP #680H150
12A3040S06	2	COTTER PIN, 3/16 x 1-1/2" S.S.
12A4138S01	2	DISC SPRING #SAM502520
12A2210E05	1	EXCLUDER, JOHNS MANSVILLE # 1192 H1L5
12A4080S02	2	SEAL, 9043LPD OR 9043LUP, 3"O.D. X 2" I.D. X 1/2" W. Center shaft seals
12A4080S20	2	SEAL, JOHNS MANSVILLE #7112 H1 Tines disc seal
12A2060B22	1	SPLIT TAPER BUSHING, BROWNING

Water Tank/Circulating Water

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
19T2165C0306	1	S.S. CUTTER/TANK ASSEMBLY FOR P34 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)
12A2600G11	1	WATER TANK GASKET, 40"OD x 37"ID x 3/16"
12A4200H0601	1	FLOAT VALVE, 3/4" MPT ROBERTS #R700L, 3/4" MPT Current Valve since 1994
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
127668	2	FLOAT VALVE MCDONNELL & MILLER 27W, 3/4" FPT
12A4020G12	1	PUMP, GOULD SSH-C, 3 HP, 208-230/460V-3P-50/60HZ Stainless Steel Housing, Bottom Flange Mount
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
12A2740H01	1	CIRCULATING WATER HOSE, 2 7/8" x 12' LONG 2 PLY
12A4181T09	15	TUBING, PLASTIC, CLEAR, 2" ID x 3/16" THK Overflow (Priced per ft.)

P34AL Series Parts List

Water Tank/Circulating Water (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A4020S03	1	SCOT PUMP, PMP-56, 3 HP, 230/380/460V-3P-50/60HZ Cast Iron Housing
12A2600R03	1	GASKET, 5-1/4" OD x 3-1/4" ID x 1/8" RED RUBBER, 3" FLANGE For Scot Pump Suction

Liquid Line

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A4200C0802	1	EXPANSION VALVE, HANSEN 1" SOCKET WELD #RS100C
12A4200A06	1	VALVES, SOLENOID, HANSEN #HS7, 3/4" PORT Replaces Alco M511 & Hansen HS8
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") Replaces Alco FS1A or RS Type LL
12A7500E24	1	SWITCH ASSEMBLY #HLL-SW FOR HANSON Also can be used on RS Type LL
12A2600F01	2	FLANGE GASKET FOR 3/4" & 1" 2-BOLT FLANGE

Thawing Gas Line

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A4200D1402	1	REGULATOR, HANSEN HA4A0S 2" 240V COIL Replaces Hubbell PHS, Alco FA5-18 & RS #A40AS
19T2535H0200	1	ADAPTOR RING, HUBBELL TO HANSEN-2"
12A4199V34H	1	REPAIR KIT FOR HANSEN HA4A0S 2" REGULATOR
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)
12A2105C03	1	COIL, HUBBELL #S-123, 240V.,60HZ FOR 2" REGULATOR
12A2105C02	1	COIL, HUBBELL #S-123, 230V.,50HZ FOR 2" REGULATOR
12A4199V34	1	REPAIR KIT #RKPHS FOR HUBBELL 2" REGULATOR
126246	1	COIL, RS #201402 (240/60HZ) FOR S4AE & S7A
126247	1	COIL, RS #201406, A3M PKGD, (230/50HZ) FOR S4AE & S7A
12A4140S18	1	STRAINER, HANSEN ST200 2"
12A4200B1403	1	CHECK VALVE, HANSEN 2" (9-7/8" LONG, FEMALE FLGS) Note: Henry & Hubbell check valves both obsolete

P34AL Series Parts List

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
12A4200D1601		3" DUAL PRESS REG. HANSEN HA4AD W/STRAINER-230V
12A4200D1701		4" DUAL PRESS REG. HANSEN HA4AD W/STRAINER-230V
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
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

P34AL Series Parts List

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>
12A2195W18	1	GOLDENROD WATER TREATMENT, 18"-50GPM, PVC HOUSING
19T2195W18	1	GOLDENROD WATER TREATMENT, 18"-50GPM, SS HOUSING
12A2195W1802	1	REPLACEMENT GOLDENROD CELL, 18"
12A2195I02	2	INSULATOR, DELRON FOR SINGLE 18" OR 36" GOLDENROD