

## CHAPTER 8

# PARTS ORDER INSTRUCTIONS AND PARTS LIST

**FURNISH COMPLETE INFORMATION WHEN ORDERING PARTS** — When ordering parts for your boiler, be sure to include on your order the boiler serial number shown on the name plate attached to the front head. Your order should state the Cleaver-Brooks part number, the name and description of the part required, the quantity desired, and method of shipment. Indicate date material is required. If repair parts are required for accessory equipment, such as electric motor, pump, etc., which may not be shown, be sure to give the complete name plate data from the item for which the parts are required.

**WHERE TO ORDER PARTS** — Repair or replacement parts should be ordered from your Cleaver-Brooks representative or from Cleaver-Brooks, Division of Aqua-Chem, Inc. 1500 Lehman St., Lebanon, Pennsylvania 17042.


**RETURNING PARTS FOR REPAIR** — Parts to be repaired should be directed to your Cleaver-Brooks representative, or to Cleaver-Brooks Parts Center, 1500 Lehman St. Rear, Lebanon, PA 17042. A purchase order or a letter authorizing repairs and giving complete details should be mailed to your representative or to

Cleaver-Brooks Parts Department, in Lebanon, PA. Prior to returning, please remove fittings or accessories from the component, properly drain and clean part to comply with shipping regulations and include inside of the package a packing slip identifying the part with your company's name.

If you desire to return parts for reasons other than repair or exchange, please contract your representative or the Lebanon Parts Department and state the reasons for the return and await permission and directions prior to returning the material.

Many controls and other components can be factory-rebuilt (FR) or have a trade-in value. These items are available on an exchange basis. Consult your Cleaver-Brooks representative or the Lebanon Parts Department for information and prices.

Be sure to show the serial number of your unit on all parts orders and correspondence.

**Cleaver-Brooks**  
  
**CB PACKAGED BOILER**

MODEL  SERIAL NO.

MAX. PRESSURE  PSI      DATE

INPUT  BTU/HR  GAS  GPH OIL

**ELECTRICAL REQUIREMENTS**

**MAIN POWER SUPPLY**  
 VOLTS  PH  HE  AMP.

MINIMUM CIRCUIT CAPACITY  AMP.

MAX. RATING OF CIRCUIT PROTECTION  AMP.

BLOWER MOTOR  HP

AIR COMPRESSOR MOTOR  HP

OIL HEATER  KW

**CONTROL CIRCUIT**  
 120 VOLTS 1 PH  HE 7 AMP

**OIL PUMP MOTOR**  
 VOLTS  PH  HE  AMP.

CLEAVER-BROOKS DIVISION  
 AQUA-CHEM, INC.  
 1500 LEHMAN ST., REAR  
 LEBANON, PENNSYLVANIA 17042

Contact your local Cleaver-Brooks Representative for prompt supply of replacement parts.



Courtesy of: **C3 Surplus LLC**  
**Surplus Industrial Superstore**  
**305-428-2777**  
<https://www.c3surplus.com>

## C-B PARTS LIST

## NOTE

See end of Parts List for Usage Reference Information.

Part No.	Req.	Description	Usage
<b>GASKETS</b>			
880-215	1	Gasket Kit, Fire Side	
880-209	1	Gasket Kit, Water Side (Neoprene)	L.P.
880-208	1	Gasket Kit, Water Side (Soft-Standard)	L.P. & H.P. to 150 lbs.
880-205	1	Gasket Kit, Water Side (Spirotalic)	L.P. & all H.P.
853-935	6	Gasket, Handhole, 3-1/4" x 4-1/2" (Neoprene)	L.P.
853-152	6	Gasket, Handhole, 3-1/4" x 4-1/2" (Soft-Standard)	L.P. & H.P. to 150 lbs.
853-191	6	Gasket, Handhole, 3-1/4" x 4-1/2" (Spirotalic)	L.P. & all H.P.
32-516	3	Gasket, Head, Front & Rear Door	
853-1006	1	Gasket, Rear Door Seal	To 30# D.P.
853-1011	1	Gasket, Rear Door Seal	60# to 300# D.P.
853-992	1	Gasket, Tadpole (Front Baffle)	
853-984	1	Gasket Rope (Rear Baffle)	
872-481	1	Adhesive, Rear Baffle Tile & Inner Rope Surface (1 Gallon Pail)	
841-507	24	Fastener, Clip (Fastens Rear Head Gasket)	
841-494	38	Rivet, Split (Baffle Gasket & Inner Door)	
32-2333	1	Gasket, Inner Door to Housing	
32-605	1	Gasket, Burner Drawer	
32-2332	1	Gasket, Support to Housing	
32-2335	1	Gasket, Housing to Furnace	
853-3	6'	Gasket, Rubber, 3/8" O.D. (Burner Support to Front Head)	
32-2336	1	Gasket, Air Duct Cover	
32-2328	5'	Gasket, Air Hood to Impeller Housing	
853-899	4'	Gasket, Sponge Rubber, 3/4" wide x 1/2"	Air Duct
853-348	1'	Gasket, Gas Line to Front Head	
<b>BLOWER MOTOR AND DRIVE PARTS</b>			
894-2795	1	Motor, 2 HP, 200/230/460/3/60/3600	50 thru 80 H.P.
894-2796	1	Motor, 2 HP, 575/3/60/3600	50 thru 80 H.P.
894-2799	1	Motor, 3 HP, 200/230/460/3/60/3600	100, 125A H.P.
894-2800	1	Motor, 3 HP, 575/3/60/3600	100, 125A H.P.
894-2803	1	Motor, 5 HP, 200/230/460/3/60/3600	125A
894-2804	1	Motor, 5 HP, 575/3/60/3600	125A
		NOTE: Above are normally used motors. Check name plate prior to ordering and if different than above, furnish complete data.	
		NOTE: Motor size may vary if high altitude is present.	
192-179	1	Impeller, 13-5/8" Dia.	CB 50
192-177	1	Impeller, 14-1/2" Dia.	CB 60
192-175	1	Impeller, 15-5/8" Dia.	CB 70
192-174	1	Impeller, 16-7/8" Dia.	CB 80
192-176	1	Impeller, 15-1/4" Dia.	CB 100
192-181	1	Impeller, 16" Dia.	CB 125A
		NOTE: Above are standard impellers. Variations may occur depending on motor selection and altitude.	





Part No.	Req.	Description	Usage
<b>BURNER</b>			
251-53	1	Nozzle Tip & Swirler	
82-33	1	Spring, Swirler	
275-186	1	Diffuser	CB 50 & 60
275-187	1	Diffuser	CB 70 & 80
275-185	1	Diffuser	CB 100, 100A & 125A
435-36	1	Electrode, Gas Pilot	
853-1	1	O-Ring, 1-1/4" (Electrode Gland Seal)	
851-77	1	Mica, Porthole	
72-33	1	Screen, Diffuser	CB 50-80
77-363	1	Spacer, Diffuser Screen	CB 50-60
77-364	1	Spacer, Diffuser Screen	CB 70-80
286-7	1	Tube & Sleeve, Oil to Nozzle	
853-55	1	O-Ring 5/8"	Oil Tube
286-8	1	Tube, Block to Nozzle	
277-47	1	Body, Nozzle	
38-326	1	Manifold Block	
90-795	1	Scanner Tube	
32-497	1	Gasket, Scanner	
134-73	1	Spider, Diffuser	CB 50-80 (Except 200 Series)
134-46	1	Spider, Diffuser	CB50-80 - 200 Series
134-47	1	Spider, Diffuser	CB 100, 100A, 125A (All)
134-53	1	Holder, Gas Pilot Electrode	
435-38	2	Electrode	Light Oil Pilot
8-577	1	Bracket, Light Oil Pilot Electrode	CB 50-80
8-333	1	Bracket, Light Oil Pilot Electrode	CB 100, 100A, 125A
899-29	1	Nozzle, Orifice, 3.5 GPH	Light Oil Pilot (100 Series)
899-23	1	Nozzle, Orifice, 2.0 GPH	Light Oil Pilot (500 Series)
251-7	1	Tip & Swirler	Light Oil Pilot
82-34	1	Spring Swirler	Light Oil Pilot
277-23	1	Body Nozzle	Light Oil Pilot
924-49	1	Spring Ignition	Light Oil Pilot
94-179	2	Insulator Ignition	Light Oil Pilot
459-222	1	Burner Housing CB 50-80	Oil Only
459-224	1	Burner Housing CB 50-80	Gas & Combination
459-225	1	Burner Housing CB 100-100A-125A	Oil Only
459-223	1	Burner Housing CB 100-100A-125A	Gas & Combination
<b>GAUGES AND THERMOMETERS</b>			
850-3	1	Gauge, 2-1/2", 0-60 lb.	
850-61	1	Gauge, 2-1/2", 0-100 lb.	
850-237	1	Gauge, 2-1/2", 0-150 lb.	
850-391	1	Gauge, 3-1/2", 0-100 lb.	Oil Controller
850-109	1	Gauge, Gas Pressure, 0-20 oz. & 0-35"	
850-243	1	Gauge, 4-1/2", 0-30 lb. & 0-30	L.P.
850-122	1	Gauge, 4-1/2", 0-300 lb.	Power to 200 lb.
850-178	1	Gauge, 4-1/2", 0-400 lb.	Power to 250 lb.
850-50	1	Gauge, 3-1/2", 0-60 lb.	30 lb. HW
850-153	1	Gauge, 4-1/2" 0-100 lb.	60 lb. HW
850-114	1	Gauge, 4-1/2", 0-200 lb.	125 lb. HW
937-28	1	Thermometer, Stack, 3", 200-700°F	
937-59	1	Thermometer, 3-1/2", 100-300°F	Hot Water
817-641	1	Well, 1/2"	For 937-59
937-49	1	Thermometer, 2", 50-300°F	Oil Temperature

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Part No.	Req.	Description	Usage
<b>REFRACTORY</b>			
94-216	16	Tile, Furnace Liner	
94-217	8	Tile, Throat	CB 50-80
94-218	8	Tile, Throat	CB 100-125A
94-172	9	Tile, Rear Baffle	
872-469	1	Shim, Throat Tile, Millboard (1/4" x 7" x 24")	
872-47	1	Cement, Refractory (50 lb. Drum)	
872-96	1	Cement, Furnace-Crete (100 lb. Bag)	
872-162	1	Cement, Vee-Block Mix (50 lb. Bag)	
872-26	1	Cement, Insulating (50 lb. Bag)	
456-1322	1	Door, Front Inner, Insulated	CB 50-100
465-1323	1	Door, Front Inner, Insulated	CB100A-125A
94-165	1	Tube, Sight Port, Rearhead	
		NOTE: For rear door refractory repairs on inner door repairs, consult your local service agency or Cleaver Brooks Parts Department.	
<b>OIL HEATING EQUIPMENT</b>			
832-953	1	Heater, Electric, 3 KW, 208 V, FPT-24M	
832-921	1	Heater, Electric, 3 KW, 240 V, FPT-23M	800 & 900 Series
832-922	1	Heater, Electric, 3 KW, 480 V, FPT-43M	
832-923	1	Heater, Electric, 3 KW, 550 V, FPT-53M	
832-948	1	Heater, Electric, 5 KW, 208 V, FPT-85M	
832-929	1	Heater, Electric, 5 KW, 240 V, FPT-25M	300 & 500 Series
832-933	1	Heater, Electric, 5 KW, 480 V, FPT-45M	400 & 600 Series
832-934	1	Heater, Electric, 5 KW, 550 V, FPT-55M	Hot Water
832-288	1	Heater, Electric, 5 KW, 208/240 V MOF 3 x 57	
832-289	1	Heater, Electric, 5 KW, 480 V MOF 3 x 78	400 & 600 Series - Steam
832-290	1	Heater, Electric, 5 KW, 550 V MOF 3 x 76	
853-692	1	Gasket, Electric Heater	
652-9	1	Heater, Steam (Less Electric Heater)	
534-181	1	Tube Bundle, Outer	652-9 Heater
191-932	1	Tube Bundle, Inner	652-9 Heater
32-1106	2	Gasket, Tube Sheet, Outer	Steam Heater
32-1105	1	Gasket, Tube Sheet, Inner	Steam Heater
952-94	8	Washer	
934-59	1	Steam Trap, 3/4"	
817-260	1	Regulator, Steam, 1/2", 11-016	16-150 lb. Boiler
880-93	1	Kit, Repair Parts, For Steam Regulator	For 817-260
817-330	1	Regulator, Steam, 1/2", Fisher 95H	151-250 lb. Boiler
918-12	1	Regulator, Steam, 1/2", Fisher 95H	251-300 lb. Boiler
948-222	1	Valve, Solenoid, 1/2"	
863-501	1	Heater, Water, Alstrom 6DT-70A	50-60 HP
863-513	1	Heater, Water, Alstrom 6DT-90A	70-100, 100A HP
863-122	1	Heater, Water, Alstrom 6DT-120A	125A
901-439	1	Pump, Circulator, 1-1/2" B&G	50-100A HP
901-292	1	Pump, Circulator, 2" B&G	125A
<b>PROGRAMMING CONTROL AND COMPONENTS</b>			
833-2290	1	Control CB 70 (Less Program Module and Amplifier)	
833-2291	1	Program Module (60 Hz)	
833-2294	1	Program Module (50 Hz)	
833-2204	1	Amplifier, Flame Signal, Infrared (Red)	Standard
817-1742	1	Detector, Flame, Infrared	Standard
833-2207	1	Amplifier, Flame Signal, Ultraviolet (Violet)	Optional
817-1743	1	Detector, Flame, Ultraviolet	Optional
833-1966	1	Subbase Wiring	
804-60	1	Tester, CB 70	





Part No.	Req.	Description	Usage
<b>WATER CONTROL PARTS</b>			
817-97	1	Control MCD&M 150 MR	H.W., L.P. & Power to 150 lb.
817-98	1	Control MCD&M 150 AR	H.W., L.P. & Power to 150 lb.
817-95	1	Control MCD&M 157-RL	L.P.
817-94	1	Control MCD&M 157-RLM	Power to 150#
817-304	1	Control MCD&M 194 M	Power 151# to 250#
NOTE: For design pressures above 250 PSI consult local service agency or Cleaver Brooks Parts Department.			
817-85	1	Head Mechanism MCD&M 150 HD	L.P.
817-99	1	Head Mechanism MCD&M 150-M-HD	H.W., L.P., Power to 150 lb.
817-389	1	Head Mechanism MCD&M 194-M-HD	Power 151# to 250#
822-73	1	Bellows Base Assembly (M.R.)	Control 817-94 & 817-97
822-88	1	Bellows Base Assembly (Auto)	Control 817-95
853-269	1	Bellows Base Gasket	Control 817-94, 817-95 & 817-97
853-268	1	Head Gasket	Control 817-94, 817-95 & 817-97
846-26	1	Float and Rod Assembly	Control 817-94, 817-95 & 817-97
836-43	1	Switch, Pump, Z-Wire	Control 817-94, 817-95 & 817-97
836-93	1	Switch, Cutoff and Alarm, 3 Wire (M.R.)	Control 817-94 & 817-97
836-44	1	Switch, Cutoff and Alarm, 3 Wire (Auto)	Control 817-95
912-144	1	Float Arm and Spring Assembly	Control 817-304
846-52	1	Float With Head Gasket	Control 817-304
836-303	1	Complete Switch Assembly (2 SPDT Switches)	Control 817-304
851-44	1	Gauge Glass, 5/8" x 10-3/4" Lg.	L.P. & Power to 150 lb.
851-199	1	Gauge Glass, 5/8" x 9-1/2" Lg.	Stm. Power Over 150 lb.
853-115	2	Gasket, Gauge Glass, 5/8"	L.P. & Power to 250#
825-92	3	Trycock, Column, 1/2"	L.P. & Power to 250#
825-352	1	Set, Gauge Glass Valves	L.P. & Power to 250#
NOTE: Above are standard controls and parts, exceptions may exist depending on job variations. Consult local service agency or Cleaver Brooks Parts Department.			
<b>LINKAGE PARTS</b>			
833-17	5	Ball Joint	For 313-9
10-288	5	Bushing, Ball Joint	
2-160	2	Arm, Jackshaft	
313-9	1	Cam	
82-111	1	Spring, Cam	
24-41	1	Stem, Gas Valve Cam Linkage	
82-1	1	Spring, Gas Stem	
287-24	1	Arm, Gas Butterfly Linkage	
287-5	1	Arm, Gas Butterfly Actuating	
82-27	1	Spring, Over-Ride	
882-15	1	Arm, Spring Holding	
2-43	1	Arm, Burner Damper	
2-149	1	Arm, Modulating Motor	
10-91	1	Bushing, Modulating Motor Shaft	
36-199	12	Guide, Cam Spring	For 313-9
<b>MISCELLANEOUS</b>			
814-7	1	Brush, Flue, 2-3/8"	Rear Door
550-42	1	Window, Observation	
851-26	1	Glass, Pyrex	Head Bolts
853-213	2	Gasket, Sight Hole	
868-94	12	Capscrew, 5/8" x 4-1/2"	
51-60	12	Nut, Head Bolt, 5/8"	
317-58	6	Cover, Handhole	
953-48	6	Yoke, Handhole	



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PARTS ORDER INSTRUCTIONS AND PARTS LIST

Part No.	Req.	Description	Usage
<b>AIR PUMP AND LUBE PARTS</b>			
505-107	1	Pump, Air, 2"	
923-79	1	Cleaner, Air	
853-879	1	O-Ring Lube Oil Tank Cover	
919-124	3	Pad, Steel Wool, #3 Coarse	
529-11	1	Strainer	
171-28	1	Basket Strainer	
32-350	1	Gasket, Cover	
32-351	1	Gasket, Cover Bolt	
171-114	1	Basket, Oil Inlet Filter	
819-56	1	Insert, Flexible Coupling, L-100	
850-647	1	Gauge, Oil Level	
894-2807	1	Motor, 2 HP, 200/230/460/3/60/1800	
894-2808	1	Motor, 2 HP, 575/3/60/1800	
861-345	1	Hose, Air	
<b>GAS VALVES</b>			
940-278	1	Valve, Solenoid, 1/2", 115/60	Gas Pilot
832-208	1	Coil, Solenoid, 115 V	For 940-278
918-93	1	Regulator Gas, 1/2" R4005	Gas Pilot
940-4544	1	Valve, Gas 2" NPT Honeywell	Has "Proof of Closure Switch"
945-143	1	Actuator, Gas Valve	
940-4539	1	Valve Gas 2" NPT Honeywell	
945-139	1	Actuator, Gas Valve	
940-4545	1	Valve, Gas, 2-1/2" NPT Honeywell	Has "Proof of Closure Switch"
945-143	1	Actuator, Gas Valve	
940-4540	1	Valve, Gas 2-1/2" NPT Honeywell	
945-139	1	Actuator, Gas Valve	
940-133	1	Valve, Gas Butterfly, 2-1/2" NPT	
948-252	1	Kit, Spring & Mounting Plate	
948-253	1	Valve, Solenoid, 1" NPT ASCO	
948-251	1	Valve Solenoid, 1-1/4" NPT ASCO	
	1	Valve Solenoid, 3/4" ASCO	
		NOTE: Check actuator or valve nameplate when ordering a replacement.	
<b>OIL VALVES AND ASSOCIATED PARTS</b>			
948-225	1 or 2	Valve Solenoid, 1/4"	
832-1130	1	Coil Solenoid, 120 Volt	
948-154	1 or 2	Valve Solenoid, 3/8"	
832-1066	1	Coil Solenoid, 120 Volt	
880-109	1	Kit, Repair, Solenoid Valve	
940-3898	1	Valve, Relief, 1/2" Ful-Flo	100-200 Series
940-2116	1	Valve, Relief, 1/2" Ful-Flo	
847-1715	2	Joint, Swivel, 1/2"	
861-211	1	Hose, Oil	
861-212	1	Hose, Air	
529-11	1	Strainer	
171-28	1	Basket, Strainer	For 529-11
32-350	1	Gasket, Strainer Cover	For 529-11
32-351	1	Gasket, Strainer Cover Bolt	For 529-11
843-44	1	Strainer, Oil, Cuno, 3/4"	300-600 Series
843-81	1	Strainer, Oil, Cuno, 3/4"	800-900 Series
853-309	1	Gasket, Oil Strainer	For 843-44





Part No.	Req.	Description	Usage
<b>FUEL OIL CONTROLLER</b>			
313-9	1	Cam (Includes Spring and Setscrews)	
82-111	1	Spring, Cam	
24-38	1	Stem, Metering Valve, No. 1	50-80 HP
24-37	1	Stem, Metering Valve, No. 2	100 HP
24-39	1	Stem, Metering Valve, No. 3	100A-125A HP
82-1	1	Spring, Stem	
880-75	1	Diaphragm Assembly/Pressure Reducing Valve Repair Kit	
880-76	1	Diaphragm Assembly/Back Pressure Valve Repair Kit	
880-370	1	Packing Kit, Valve Stem	
322-21	1	Inner Valve Assembly-Linear Bearing	
850-391	1	Gauge, 3-1/2", 0-100# (Back Connection)	
937-49	1	Thermometer, 2", 50-300 Degrees	
48-200	1	Orifice, Metering Valve	
<b>ELECTRICAL CONTROLS AND COMPONENTS</b>			
832-107	1	Transformer, Ignition, 115 V/60 Hz 6,000 Sec. V	Gas Pilot
832-118	1	Transformer, Ignition, 115 V/60 Hz 10,000 Sec. V	Light Oil Pilot
817-16	1	Control, Pressure, 2-15 lb., MH L404A	L.P.
817-110	1	Control, Pressure, 10-150 lb., MH L404A	Power to 150 lb.
817-111	1	Control, Pressure, 20-300 lb., MH L404A	Power Over 150 lb.
817-415	1	Control, Pressure, 2-15 lb., MH L404C	L.P.
817-109	1	Control, Pressure, 10-150 lb., MH L404C	Power to 150 lb.
817-900	1	Control, Pressure, 20-300 lb., MH L404C	Power to 250 lb.
836-45	1	Switch, Mercury, for L404A and L404C	
817-251	1	Control, Pressure, 0-15 lb., MH L91A	L.P.
817-204	1	Control, Pressure, 5-150 lb., MH L91A	Power to 150 lb.
817-234	1	Control Pressure, 10-300 lb., MH L91A	Power Over 150 lb.
832-764	1	Coil, Potentiometer for L91A	
817-400	1	Control, Temperature, 100-240 degrees F, L4008A	Hot Water
817-1050	1	Control, Temperature, High Limit, L4008E	Hot Water
817-1244	1	Control, Temperature, 160-260 degrees F, T991A	Hot Water
817-399	1	Well	For L4008A & E
817-378	1	Well	For T991A
828-27	3	Clip	For 817-399
904-60	3	Grommet	And 817-378 Wells
894-2812	1	Motor, Modulating, MH954C	
894-2934	1	Motor, Modulating, MH M954B	
832-235	1	Transformer, Damper Motor, 115-25V 60 Cycles	
836-209	1	Potentiometer, MH 30112	
836-471	1	Switch, Burner, DPST	
836-474	1	Switch, Manual-Auto, DPDT	
836-223	1	Switch, Oil-Gas Selector	
817-436	1	Switch, Air Pressure, MH C6450	Combustion Air
836-418	1	Switch, Air Pressure, Dietz 161 P15	Atomizing Air
295-94	1	Ignition Cable Assembly, 23"	
292-98	1	Ignition Cable Assembly, 28"	
836-320	1	Thermoswitch, Fenwall	
832-311	1	Condenser, .005 MFD	
836-65	1	Thermostat, 100-240 degrees F, WR 11B05	
836-72	1	Thermostat, 100-240 degrees F, WR 11B18	
836-89	1	Switch, Micro, YZLN., RH	Oil Drawer Switch
881-226	2	Neon Lamp, Clear	
881-225	2	Neon Lamp, Red	
817-774	1	Switch, Gas Pressure, C645A 3-21" WC	LGPS
817-1935	1	Switch, Gas Pressure, C645B 5-35" WC	HGPS



Part No.	Req.	Description	Usage
<b>OIL PUMPS</b>			
905-1304	1	Pump, Viking, GP-0550A00M4, 1/4 HP	No. 2 Oil
905-1306	1	Pump, Viking, GP-0550A00M4, 1/2 HP	No. 4 Oil
901-1436	1	Pump, Viking, G-432-V, 1/3 HP, 230/460/3/60	No. 5 & 6 Oil
819-198	1	Insert, Coupling, Lovejoy L075	
819-203	1	Coupling Half, 7/16" Lovejoy L075	Pump Shaft
819-200	1	Coupling Half, 5/8" Lovejoy L075	Motor Shaft
809-147	1	V-Belt A465	
925-161	1	Seal Mechanical, Viking	For 901-436
529-11	1	Strainer, Oil	No. 2 Oil
171-28	1	Basket, Strainer	For 529-11
32-350	1	Gasket, Strainer Cover	For 529-11
32-351	1	Gasket, Strainer Bolt	For 529-11
923-47	1	Strainer, Oil 2", Morrison	No. 4,5,6 Oil
930-8	1	Basket, 2" Strainer	For 923-47
853-316	1	Gasket, 2" Strainer	For 923-47
		The above are standard pumps. There are many variations and it is impractical to list exceptions or the various motors. When ordering give complete nameplate data.	
<b>SAFETY VALVES</b>			
		Because of the many variations in pressure settings and sizes, it is impractical to list safety or relief valves. Furnish name plate data of existing valve when ordering replacement.	





## Notes On Usage References

- Blank** Indicates item applicable to all sizes, fuels and pressures covered by this manual.
- LP** Indicates Low Pressure Design Boiler (ASME Code Section IV) e.g. 15 lb. Steam Boiler. (also see Hot Water)
- HP** Used alone, indicates High Pressure — see Power. Indicates Horsepower when following a boiler size.
- HW** Hot Water Boiler. Standard ratings are 30, 60, 125 and 150 lb. The 150 lb. is built to the ASME Power Boiler Code (ASME Sect. I). The others are built to Code Sect. IV.
- Power** Indicates Power Boiler Design (ASME Code Sect. I). Steam boilers above 15 lb. design are classed as Power Boilers. Standard ratings are 150, 200 and 250 lb.

<b>Fuel Series</b>	100	No. 2 Oil (Light Oil)
	200	No. 2 Oil and Gas
	300	No. 5 Oil and Gas
	400	No. 6 Oil and Gas
	500	No. 5 Oil (Heavy Oil)
	600	No. 6 Oil (Heavy Oil)
	700	Gas
	800	No. 4 Oil (Heavy Oil)
	900	No. 4 Oil and Gas









