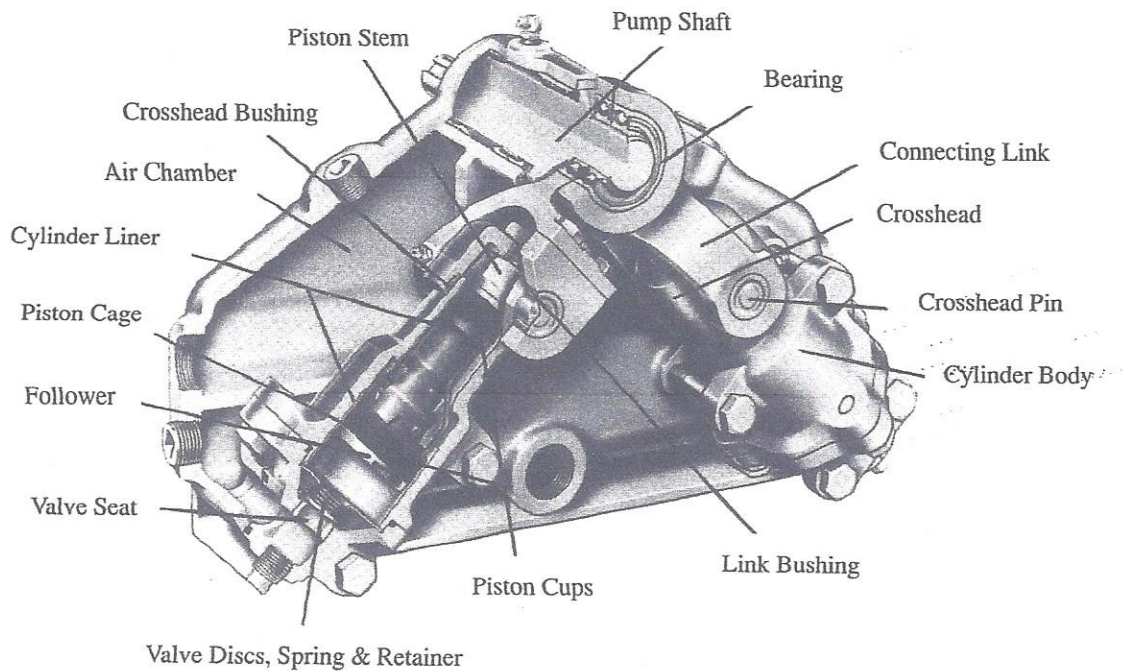


8 GPM 400 PSI High Pressure Reciprocating Pump



PUMP COMPONENTS

Air Chamber. Ductile cast iron. Large chamber helps to dampen pulsations. Discharge tappings on either side make installation easier.

Cylinder Body. Made from ductile iron for long service life. O-rings used to provide a positive seal between the cylinder body and air chamber.

Cylinder Liners. Replaceable upper and lower liners are polished stainless steel to withstand corrosive effects of water and other liquids.

Piston Assembly. Piston stem made of ductile iron. Assembly contains piston cups and spring loaded flat stainless steel discharge valve.

Piston Cups. Cups molded from rugged Buna N material. O-rings fitted against the lips of cups for expansion against cylinder liners.

Valve and Valve Seats. Spring-loaded stamped stainless steel valve assemblies with hardened stainless steel seats.

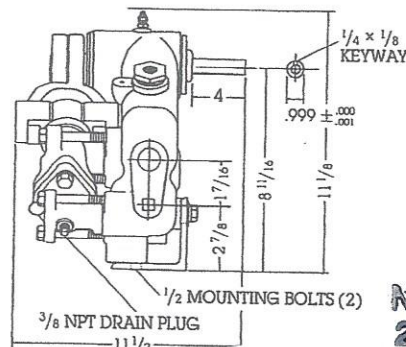
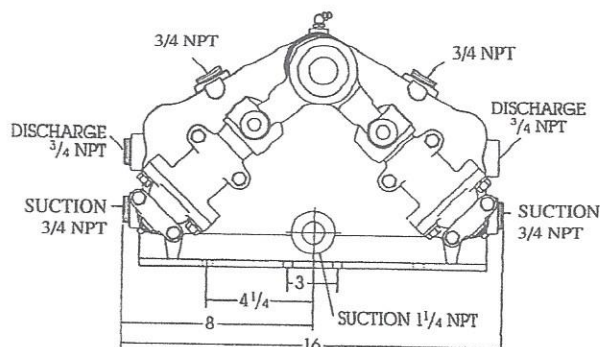
Crosshead. Ductile iron with bronze bushing to assure straight line piston movement. Fitted with hardened steel sleeve wrist pins.

Connecting link. Ductile iron with needle bearings provided to withstand higher pressure load.

Bearings. Main shaft bearings are the roller type to accommodate high pressure loads. Bearings are lubricated and sealed for long service life.

Crankshaft. Carbon steel crankshaft, induction hardened and precision ground to a smooth finish for quiet operation.

DIMENSIONS



N.D.S. Drilling Supply
26041 Newton Circle
Elko, MN 55020
Phone #952-461-3400
Fax # 952-461-3403

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A08-4
8 GPM 400 PSI
High Pressure
Reciprocating Pump

The A08-4 Du-All Pump combines manufacturing expertise and understanding of applications to provide a pump with strength and versatility for any demanding high-pressure job. Contact *Fred's Water Service* for more details.

Duplex, Double-Acting, Positive Displacement Pump

- Handles water, detergent solutions, and similar liquids.
- 8 GPM, with operating pressure to 400 psi.
- Suction conveniently located in the center and discharge can be installed on either side.
- Large air chamber assists in dampening pump pulsation.

Heavy duty model designed for a variety of industrial and commercial applications.

- Slow operating speed provides for wear-free service resulting in extended pump life.
- Compact and readily adaptable to a wide range of industrial applications.
- Air chamber features polished steel crankshaft supported by roller type bearings.
- Zerk fittings provided to simplify lubrication.
- Double cup piston assembly and cylinders can be easily removed and service performed without disturbing the system piping.

SPECIFICATIONS

Temp Rating* °F (°C)	SIZES IN INCHES (mm)						Rated Capacity @360RPM	Rated Pressure PSI (Bar)	Approx. Wgt. Lbs. (kg)
	Piston Stroke	Suction Size NPT	Discharge Size NPT	Shaft Extension	Keyway	Cylinder Bore			
120° (49°)	.688 (17.47)	1 1/4 (31.75)	3/4 (19.05)	1 Dia. (25.40)	1/4 x 1/8 Straight (6.35 x 3.18)	2.250 (57.15)	8 GPM (30.28LPM)	400 (28)	71 lbs. (32.27)

* If liquid temperatures are to exceed 120°F., consult vendor.

PERFORMANCE DATA

Flow Capacity	RPM	Horsepower Required for: PSI (Bar)			
		100 (7)	200 (14)	300 (21)	400 (28)
GPM (LPM)					
4.5 (17.01)	200	.25	.60	.85	1.10
5.8 (21.92)	250	.55	.85	1.25	1.60
7.0 (26.46)	300	.75	1.15	1.60	2.00
8.0 (30.24)	360	.85	1.40	1.90	2.40