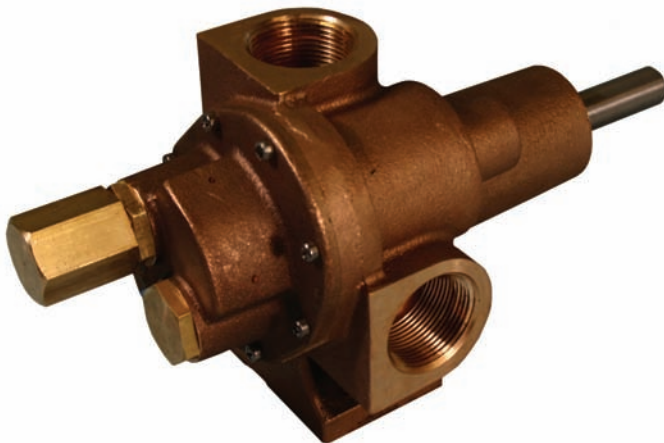


BRONZE PEDESTAL EXTERNAL ROTARY GEAR PUMPS

MODEL N9900X- 1 1/4" NPT PORTS



FEATURES

- Inlet/Outlet Right Angle Porting
- Rugged Corrosion Resistant Cast Bronze Housing
- Drop-in replacement for Internal gear Pumps
- Bronze Spur Gears
- Taylored for commercial and military diesel fuel transfer applications in harsh environments
- Self Lubricating Carbon Graphite Sleeve Bearings
- Stainless Steel Shafts
- Optional Integral Relief Valve
- No Gaskets
- Mechanical Seal

GENERAL DESCRIPTION

This Industry-Proven bronze pedestal external gear pump in right angle port orientation replaces internal gear pumps and eliminates their inherent overhung rotor load problems. The pumps can be operated in either rotating direction and can be installed in any plane. All materials of construction are suitable for diesel fuel service.

LIQUIDS AND TEMPERATURE

Model	Elastomers	Temperature Range
N9000(R)XS16	NBR	-25F to +225F
N9000(R)XS14	HNBR	-40F to +300F

RELIEF

The pump by-pass is not intended to be a metering or flow control device. Its main purpose is to function as a pressure relief when the desired set point is exceeded. Overheating can occur within 5-10 minutes if the discharge line is completely shut off for extended periods.

Reversing rotation reverses the "IN" and "OUT" ports and the location of the by-pass ports have to be reversed. The by-pass valve is factory set at 115 psi/1300RPM. To increase the setpoint, turn the bypass valve adjusting screw in a clockwise direction.

SUCTION LIFT

Close tolerances and positive displacement action make the rotary gear pump capable of lifting fluid on the suction side as high as 20 feet. Though gears pumps are self priming, a foot valve is recommended. If possible, wet the gears with liquid to be pumped for the first dry start. Liquid retained in the system and gear chambers serves to "wet" the pump on subsequent starts.

PERFORMANCE

1300 RPM	27 GPM
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