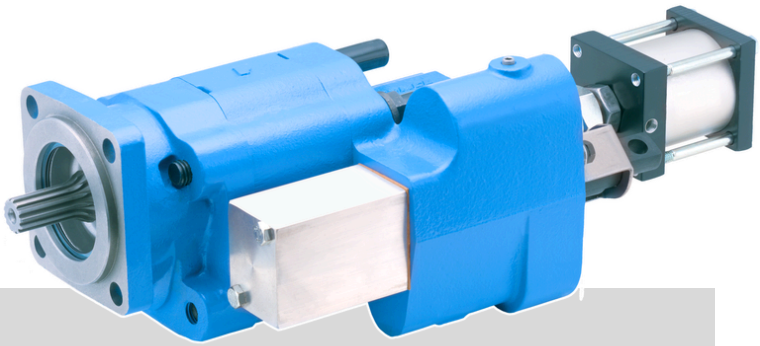
GEMINI

PERMCO
Hydraulic Pumps and Motors

GEMINI DUAL-USE PUMP IS DESIGNED TO BE USED WITH MULTIPLE APPLICATIONS REQUIRING 2 PRESSURE SETTINGS.

Permco's Gemini pumps are unique, allowing fleets to use one truck on various vocational trailers and applications. The pressure relief valve setting can be quickly changed in the cab to operate lower pressure equipment typically in the 2500 PSI range. Change the setting easily to the higher setting to operate walking floors or high pressure cylinders needing up to 3200 PSI. Alternate factory pressure settings are offered, Contact Permco for assistance.



FEATURES

- Dual pressure **relief valve settings from 2000 to 3200 PSI.**
  - Alternate factory pressure settings are available.
  - Standard settings are 2500/3200.
- Easy to switch from low to high pressure using truck air.
- Large **1.5 Inch NPT suction port** in the gear housing.
- 3-line system for continuous duty.
- Dowelled construction.
- **31 theoretical GPM** at 1400 pump RPM.
- Speeds **up to 1800 pump RPM**, do not exceed 5 InHg at inlet port.
- Factory installed “OEM” air shift.
- When used with the Permco cab control tower, high pressure setting provides audible alarm and warning light.
- Can be ordered with DIN 5642 Shaft and Mounting.
- 100% factory tested.

SCAN FOR INSTALLATION INFORMATION

SIMPLE INSTALLATION AND CONNECTIONS

The large side inlet port makes the suction hose connection convenient for a recommended 1.5" suction hose. Rear ports for pressure and return hoses are easily accessed. Pump support extended studs are standard and can be special ordered for position in addition to having all 4 extended studs. Available in both counterclockwise or clockwise rotation to fit PTO specific rotational requirements. Gemini pumps are available in both direct mount and remote mount configuration.

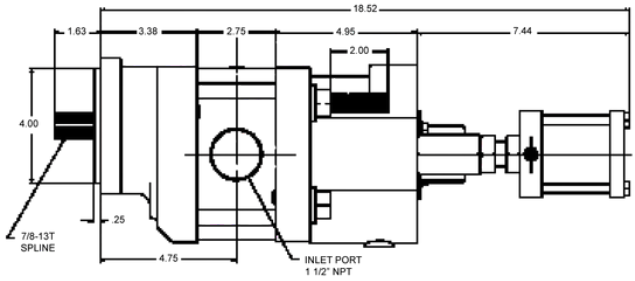
NTEA THE ASSOCIATION FOR THE WORK TRUCK INDUSTRY MEMBER

1500 Frost Rd. | P.O. Box 2068
Streetsboro, Ohio 44241

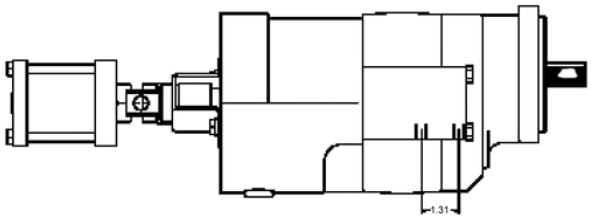
330-626-2801
support@permco.com

www.permco.com

DIMENSIONAL DATA (INCHES)

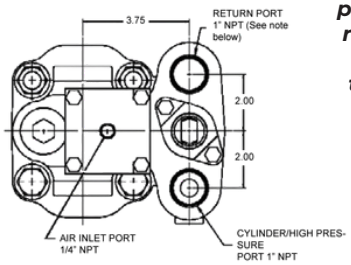


PORT SIDE VIEW DIRECT MOUNT CCW ROTATION

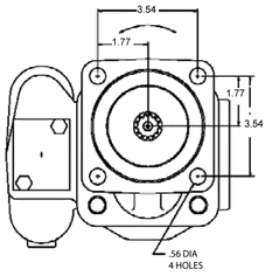


AIR SHIFT/VALVE SIDE VIEW DIRECT MOUNT CCW ROTATION

REAR VIEW CCW ROTATION



The third line sleeve is installed in the pump, therefore, the return port must be plumbed back to tank, below the oil line at all times.

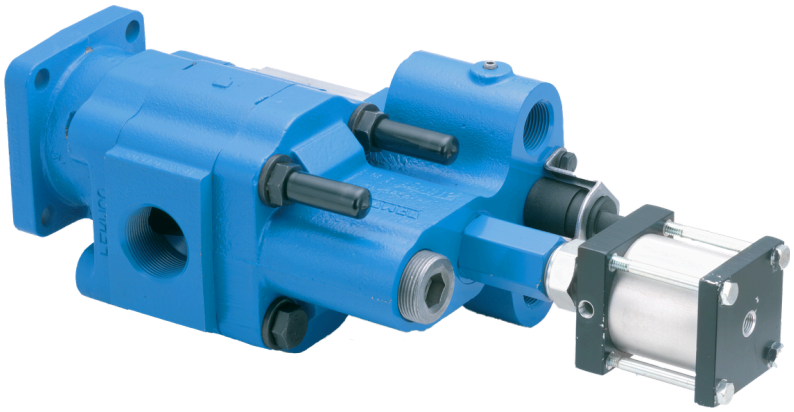


4 BOLT DIRECT MOUNT CCW ROTATION

SCAN FOR INSTALLATION INFORMATION

AIR SHIFT CONSOLE





DG - 20 - Z - L - AS - 25/32 - E4

Gemini
DG - Direct Mount, SAE 4 Bolt "B"
RG - Remote Mount

Gear Size
20 - 2.0" Gear, 5.15 Cu. In / 40 GPM[1] at 1800 RPM[2]

Line Setup
Z - 3 Line (With 3 Line Sleeve)

Rotation
L - Left Hand Rotation
R - Right Hand Rotation

Extended Stud
Delete - Top Two (Std.)
EB - Bottom Two
EL - Left Side
ER - Right Side
E4 - All Four

Relief Valve Setting
25 - 2500 PSI (172 bar)
32 - 3200 PSI (220 bar)

Shift Type
AS - Air Shift of Main Spool[3]

[1] Theoretical value.
[2] Do not exceed 5 InHg at inlet port.
[3] Because of potential interference with aftermarket air shift cylinders, we recommend the Permco "OEM" version.

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support@permco.com

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