



Global Gear Products That Offer True Noise Reduction in Hydraulic Systems



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1. S26 & L2 Pumps

SAE A and B mount aluminum pumps with many shaft and porting options, meeting SAE standards. Single and multiple sections available. Optional integral relief and flow valves simplify system design and installation. Easy field reversibility.

Specifications

Displacements from .4cid [6,6cc] to 3.37cid [55,2cc]

Speed Range (max.):
2250–3600 rpm

Rated Pressures: up to 3600 psi [248 bar]; intermittent up to 4000 psi [276 bar]

2. S26 Motors

SAE A mount aluminum bi-directional motors in a wide range of shaft and porting options, meeting SAE standards. Optional integral relief and cross-over valves simplify system design and installation.

Specifications

Displacements from .43cid [7,1cc] to 1.94cid [31,8cc]

Speed Range (max.):
3000-4000 rpm

Rated Pressures: up to 3000 psi [207 bar]; intermittent up to 3500 psi [241 bar]

3. GGP Aluminum Pumps

SAE AA and A mount aluminum pumps with a range of shaft and porting options, meeting SAE and Metric standards. Single and multiple section options. Optional integral relief and flow valves simplify system design and installation. Permits easy field reversibility.

Specifications

Displacements from .08cid [1,3cc] to 2.04cid [33,4cc]

Speed Range (max.):
3000-4000 rpm

Rated Pressures: up to 4000 psi [276 bar]; intermittent up to 4400 psi [305 bar]

4. GGP Cast Iron Pumps

SAE A cast iron pumps with a 3-piece, fixed bushing construction and an oversized SAE B shaft. Many flange, shaft, and port options, meeting SAE and metric requirements. Single and multiple assemblies available. Optional integral relief and priority valves simplify system design and installation.

Specifications

Displacements from .48cid [8cc] to 2.196 [36cc]

Speed Range (max.):
2700-3600 rpm

Rated Pressures: up to 4000 psi [276 bar]; intermittent to 4400psi [305 bar]



Powering Business Worldwide



High Efficiency, Low Noise

Eaton Series 26 & L2 products have a small footprint and high torque, ideal for multiple section applications; Eaton Global Gear Product (GGP) high efficiency gear products have high performance and are extremely quiet.

Gear pumps are used in drive trains, hydrostatic transmissions, open and closed circuit piston applications, and charge pump applications. These products are integral to most construction, agriculture, lift trucks, fork trucks, bus, and material handling equipment.

When you specify a gear pump, look for more than output flow. For high performance with reduced vibration and noise, choose gear pumps from Eaton.

Noise Reduction in Hydraulic Systems

How Eaton Reduces Noise: The size and shape of the wave created in the gear pump depends on the way the gears fit together. As more fluid is trapped between the gear teeth and then released, a larger wave is created, one with higher peaks and deeper valleys.

By refining the fit of the teeth between gears—Eaton has reduced the size of the wave, resulting in lower vibration and less airborne noise.

Eaton Gear Pumps: The design of any fluid power system will have many requirements. You select components based on their capabilities and compatibility. When you specify a gear pump, look for more than output. For reliable performance with reduced vibration and noise, choose gear pumps from Eaton.

Gear Pumps and Motors from Eaton Feature:

- Continuous operating pressures to 4000 psi [280 bar]
- SAE, DIN, & ISO Flange, shaft and porting styles
- High efficiency gear profiles
- 12 & 13 tooth low noise and pressure ripple gear design
- Construction that meets ISO 9001 standards
- Single and multiple section pump options
- Options for applications requiring separate fluids or reservoirs
- Broad range of shaft and port options
- Common and separate inlet options
- Relief valve and priority control valve options
- Auxiliary mounting capabilities
- Field reversability

Applications for Eaton Gear Products:

- Turf care
- Agriculture tractors and harvesters
- Lift trucks
- Skidsteer loaders
- Fan drive systems
- Steering circuits
- Salt and sand spreaders
- Auxiliary work circuits
- Industrial
- Implements
- Wheel loaders
- Motor graders and dozers
- Paver, finishers and compactors
- Concrete placement
- Lumber, paper and packaging equipment

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