



## CEBAX-MD9400 HYDRO PUMP

Hydraulic Cylinder Pump for Heavy Equipment

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### CONFIGURATION OPTIONS

Single Acting: Hydraulic fluid enters one end, rod returns by gravity  
Double Acting: Hydraulic fluid powers both extension and retraction  
Mounting Style: Multiple configurations available for various applications

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### TECHNICAL SPECIFICATIONS

Operating Pressure: Up to 3,000 PSI  
Bore Sizes: 2" to 12" (custom sizes available)  
Stroke Length: Custom lengths up to 20 feet  
Temperature Range: -25°C to +150°C  
Viscosity Range: Up to 250,000 cP

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### KEY FEATURES & BENEFITS

- ✓ Single acting design for economy and simplicity
  - ✓ Double acting design for complete hydraulic control
  - ✓ Heavy-duty construction for industrial applications
  - ✓ Pressurized fluid system for reliable force generation
  - ✓ Suitable for construction equipment and manufacturing machinery
  - ✓ Custom configurations available for specific requirements
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## OPERATING PRINCIPLE

### Single Acting Cylinders:

Hydraulic fluid enters the cylinder at one end, forcing the rod to move.

The rod returns to its original position through gravity when pressure is released.

Ideal for applications where load retraction is assisted by gravity.

### Double Acting Cylinders:

Hydraulic fluid ports at both ends enable powered extension AND retraction.

Uses hydraulic fluid for the entire work cycle.

Perfect for applications requiring precise control in both directions.

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## INDUSTRIAL APPLICATIONS

- Construction Equipment (excavators, loaders, bulldozers)
- Manufacturing Machinery (presses, injection molding)
- Material Handling (forklifts, lifts)
- Mining Equipment
- Agricultural Machinery
- Marine and Offshore Systems

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## COMPONENTS

- Cylinder barrel - precision honed for smooth operation
- Piston - with high-quality seals
- Piston rod - hard chrome plated for durability
- End caps - with port connections
- Seals and bearings - long-life materials

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## Altec Pumps & Valves Hydraulics

Fluid power systems can be applied in virtually any field

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## CERTIFICATIONS & STANDARDS

- ISO 9001:2015 certified

- ASME B30.1 compliant
- CE marked
- CSA certified for Canadian applications

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