

Air Driven Liquid Pump

This air driven liquid pump is capable of up to 100,000 psi. It features infinitely variable cycling speed and a stall feature at a pre-determined pressure to hold that pressure without consuming power.



ADDITIONAL IMAGES



Overview

High-Performance Air Driven Liquid Pump

This AHP06 Series long-stroke, single-drive, double-acting pump is designed for high-pressure hydraulic power generation using compressed air. It offers a robust and reliable solution for transferring and pressurizing various liquids and liquefied gases without the need for air-line lubrication. With its stall feature and infinitely variable cycling speed, it provides precise control and immediate response to pressure changes for demanding B2B applications.

Key Features

Features

- ★ Choice of 5 ratios.
- ★ Flows to 132 l/min.
- ★ Choice of wetted materials .
- ★ Output pressures to 10,000 psi (690 bar).
- ★ Drive pressure 3 to 125 psi (0.2 to 8.6 bar).
- ★ All hydraulic fluids, water (plain or DI), solvents.

The AHP06 series offers five different ratios and compatibility with a wide range of hydraulic fluids and solvents.

Core Benefits

- Up to 100,000 psi (7000 bar) capability
- Infinitely variable cycling speed
- Stall feature at pre-determined pressure to hold pressure without power consumption
- Unbalanced cycling spool for immediate response to pressure changes
- No need for air-line lubrication to save costs and prevent contamination
- Robust, compact, and easy to maintain design

Performance Limits

Performance Highlights

10000 psi

Max Output Pressure

132 l/min

Max Flow Rate

125 psi

Max Drive Pressure

Technical Specifications

Performance and Specification

Pump Model Code	Max. Out Press.	Actual Ratio	Dis. /Cycle	Max. Flow	Inlet Port	Outlet Port
AHP06-1D-7L	1000psi	8.2:1	463ml	132 l/min	1-1/4" FNPT	3/4" FNPT
AHP06-1D-12L	1850psi	14:1	260ml	82.1 l/min	1-1/4" FNPT	3/4" FNPT
AHP06-1D-35L	4375psi	40:1	98ml	31 l/min	1-1/4" FNPT	1/2" FNPT
AHP06-1D-60L	7500psi	69:1	57ml	18.1 l/min	1-1/4" FNPT	1/2" FNPT
AHP06-1D-100L	10000psi	120:1	32ml	10.7 l/min	1-1/4" FNPT	1/2" FNPT

Comparison of maximum output pressures, flow rates, and port sizes across the AHP06 model range.

Model Performance Data

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Air Drive Pressure Range

3 to 125 psi (0.2 to 8.6 bar)

Compatibility & Standards

Compliance Options

CE • ATEX • NACE

Compatible Fluids

Hydraulic Fluids, Plain Water, DI Water, Solvents, Liquefied Gases

Construction

Wetted Materials

Choice of wetted materials available including stainless steel and anodized aluminum