

Air Driven Liquid Pump

This air driven liquid pump utilizes compressed air to generate high-pressure liquid. It is suitable for most liquids and liquefied gases, with cycling speed that is infinitely variable.



ADDITIONAL IMAGES



Overview

Features

- ★ Choice of 5 ratios.
- ★ Flows to 31.5 l/min.
- ★ Choice of wetted materials.
- ★ Can be quickly repaired.
- ★ Output pressures to 650,00 psi (4482 bar).
- ★ Drive pressure 10 to 125 psi (0.7 to 8.6 bar).
- ★ All hydraulic fluids, water (plain or DI), solvents liquefied gases.

Overview of pump features including pressure range, flow rates, and fluid compatibility.

High-Performance Air Driven Liquid Pump

The AHP10 Series features a double drive, double acting design capable of reaching pressures up to 100,000 psi (7000 bar). These pumps are engineered for reliability and versatility, suitable for a wide range of fluids including hydraulic oils, water, solvents, and liquefied gases. With no need for air-line lubrication and a stall feature that holds pressure without power consumption, they offer an efficient and cost-effective solution for demanding industrial applications.

Performance Highlights

Maximum Pressure Capability

100000 psi
Max Pressure

7000 bar
Max Pressure

Maximum Flow Rate

31.5 l/min

Key Features

Core Features

- Infinitely variable cycling speed
- Stall feature at pre-determined pressure
- Unbalanced cycling spool for immediate response
- No air-line lubrication required
- Compact and easy to maintain design
- Double drive, double acting configuration

Technical Specifications

Performance and Specification

Pump Model Code	Max. Out Press.	Actual Ratio	Dis. /Cycle	Max. Flow	Inlet Port	Outlet Port
AHP10-2D-60	7500psi	68:1	350ml	31.5 l/min	3/4"FNPT	1/2"FNPT
AHP10-2D-120	15000psi	134:1	180ml	16.2 l/min	3/4"FNPT	1/2"FNPT
AHP10-2D-240	30000psi	250:1	98ml	8.8 l/min	3/4"FNPT	9/16"HF
AHP10-2D-360	45000psi	408:1	60.5ml	5.5 l/min	3/4"FNPT	9/16"HF
AHP10-2D-520	65000psi	608:1	40.5ml	3.65 l/min	3/4"FNPT	9/16"HF

Detailed technical specifications for AHP10-2D series models showing pressure, ratio, and flow data.

Model Performance Comparison

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AHP10-2D-120	15000 psi	134:1	180 ml	16.2 l/min	1/2" FNPT
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AHP10-2D-360	45000 psi	408:1	60.5 ml	5.5 l/min	9/16" HF
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Air Drive Pressure Range 10 to 125 psi (0.7 to 8.6 bar)

Standard Inlet Port 3/4" FNPT

Compatibility & Compliance

Available Compliance Standards

CE • ATEX • NACE

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