

EcoPump HP 400

Air operated horizontal piston pumps

N24160008

The **EcoPump HP** is an air driven horizontal piston pump. It has been manufactured and tested according to Dürr's well-proven quality standards. Performance and durability are further distinguishing characteristics in order to meet the highest demands. With a concealed shaft seal this **EcoPump HP** is primarily designed for paint circulation systems as well as fluid transfer and supply. A horizontal two piston design guarantees equal thrust on both strokes and a rapid pump change-over with a quick release valve for reduced surge. Its modular design enables easy maintenance. Typically handled fluids are water and solvent-borne paints, varnishes, enamels and lacquers.

CUSTOMER BENEFITS



- [Balanced pressure variations](#)
- [Stainless steel fluid section](#)
- [Tested according to DIN EN 12162 and well-proven Dürr quality standards](#)
- [Low icing by thermal isolation of the muffler and optimized air flow](#)
- [Four-ball design](#)
- [No exposed shaft seal](#)
- [Lubricant free](#)
- [Horizontal two-piston design guarantees equal thrust on both strokes](#)
- [Rapid pump change-over with quick release valve for reduced surge](#)
- [Modular pump design, easy to maintain](#)
- [Wide range of accessories available.](#)

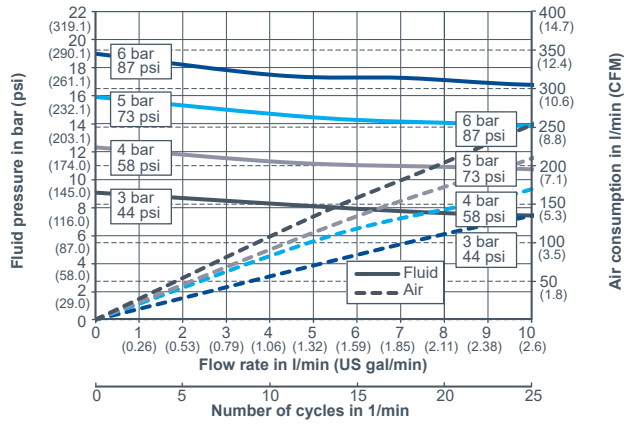


Technical datasheet

EcoPump HP 400

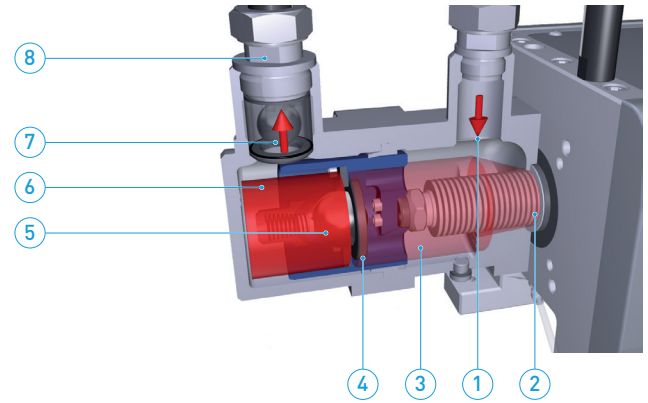
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CHARACTERISTICS



Performance based on water at ambient temperature.

TECHNICAL ILLUSTRATION



HP & HPE pump principle

1 Material inlet, 2 Bellows, 3 Material suction chamber, 4 Piston, 5 Piston ball seat, 6 Material outlet chamber, 7 Material outlet ball seat, 8 Material outlet

SPECIFICATION

Weight	45.0 kg
Material Housing	Aluminium
Material Ball	Stainless steel
Material Ball Seat	Stainless steel
Material Piston Seal	PE
Parts Contacted by Media	Stainless steel
Solids Diameter max.	400 µm
Connector Inlet	EcoTube DN25
Connector Outlet	EcoTube DN25
Connector Air	G3/8"
Displacement	400 cc/cycle
Cycle rate	0-40 cycles/min
Flowrate	0-16 l/min [0-4.2 gal/m]
Air Pressure max.	6.0 bar (87 psi)
Fluid Pressure Outlet max.	21.0 bar (305 psi)
Fluid Pressure Inlet max.	2.0 bar (29 psi)
Operating Temperature min	10 °C (50 °F)
Operating Temperature max	50 °C (122 °F)
Sound Power Level	85.0 dB(A)
Ratio	3.5:1
Viscosity min.	40 mPa.s
Viscosity max	250 mPa.s
ATEX Marking	Ex II 2G Ex h IIA T6 Gb X

Flowrate values based on continuous operation. With cycle rate permanently >20 cycles/minute (8 l/min) increased wear and reduced service life of the seals are expected. We recommend using the next larger pump for a cycle rate >20 cycles/minute (8 l/min).