

HRS BP SERIES

POSITIVE DISPLACEMENT PISTON PUMP



The HRS BP Series Piston Pump is a completely hygienic, hydraulically operated positive displacement pump. The pump is driven by hydraulic oil from the power pack that enters the hydraulic cylinder from alternate directions, moving the piston moved up and down. The pump housing is split into two chambers. Each chamber has an inlet and outlet connection which allows entry and exit of large particles. It is designed such that delicate and viscous fluids can be pumped whilst maintaining product integrity, making it ideal for use in the food industry.

APPLICATIONS

High Viscosity Fluids
Shear Sensitive Fluids
Fluids with Large Particles

SURFACE FINISH

External: Satin or Polished
Product Side: Roughness < 0,5µ

MATERIALS OF CONSTRUCTION

Service Side: AISI 304/316L Stainless Steel
Product Side: AISI 316L Stainless Steel
Cylinder: Carbon Steel and Anti-Corrosive Coating

FEATURES

Alternative piston pump with pneumatic cylinder can be supplied for low pressure applications (< 5 bar)

Clap valves allow pumping of whole fruits or vegetables

STANDARD CONNECTIONS

Service Side: Clamp
Product Side: Clamp



RANGE

Models:	Min. Flow (gpm)	Max. Flow (gpm)	Max. Working Pressure (psi)	Connections	Power Consumption Power Pack (hp) (*) (Hydraulic Version)	Required Air Pressure (bar) (Pneumatic Version)
BP4	1.3	11	290	Clamp 2"	4	8
BP6	1.3	13	290	Clamp 2"	7	8
BP8	13	40	435	Clamp 2½"	15	8
BP10	13	53	230	Clamp 2½"	10	8

(*) The power consumption may vary with the pressure at which the pump must work.