

HRS BP SERIES

POSITIVE DISPLACEMENT PISTON PUMP



The HRS BP Series piston pump is a fully hygienic, hydraulically operated positive displacement pump. The pump is driven by a hydraulic power pack which drives a hydraulic cylinder from alternate directions, moving the piston 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. The BP pump is designed in such a way that delicate and viscous fluids can be pumped easily whilst maintaining product integrity, making it ideal for use in the food industry.

APPLICATIONS

High Viscosity Fluids
Shear Sensitive Fluids
Fluids with Large Particles

MATERIALS OF CONSTRUCTION

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

STANDARD CONNECTIONS

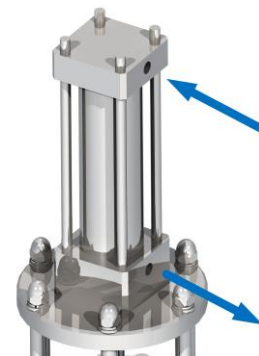
Service Side: Clamp
Product Side: Clamp

SURFACE FINISH

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

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



RANGE

Models:	Min. Flow (L/hr)	Max. Flow (L/hr)	Max. Working Pressure (bar)	Connections	Power Consumption Power Pack (kW) (*) (Hydraulic Version)	Required Air Pressure (bar) (Pneumatic Version)
BP2.5	200	1200	20	Clamp DN50	1.5	8
BP4	300	2500	20	Clamp DN50	3.0	8
BP6	300	3000	20	Clamp DN50	5.5	8
BP8	3000	9000	30	Clamp DN65	11.0	8
BP10	3000	12000	16	Clamp DN65	7.5	8

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