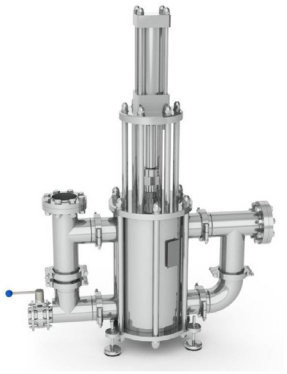
POSITIVE DISPLACEMENT PISTON PUMP

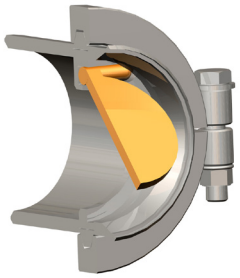
HRS BP SERIES



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.



TECHNICAL DATA

APPLICATIONS

High Viscosity Fluids
Shear Sensitive Fluids
Fluids with Large Particles

STANDARD MATERIALS OF CONSTRUCTION

Product Wetted Part: AISI 316L Stainless Steel

STANDARD CONNECTIONS

Inlet: Clamp
Outlet: Clamp

SURFACE FINISH

External: Polished
Internal: <0.8µ

FEATURES

- Alternative piston pump with pneumatic cylinder can be supplied for low pressure applications (<4 bar)
- Clap valves allow pumping of whole fruits or vegetables
- Mobile, horizontal and screw conveyor options available, please see next page

RANGE

MODELS	MIN. FLOW (l/hr)	MAX. FLOW (l/hr)	MAX. WORKING PRESSURE (bar) *HYDRAULIC VERSION*	CONNECTIONS	POWER CONSUMPTION POWER PACK (KW)* *HYDRAULIC VERSION*	MAX WORKING PRESSURE (bar) *PNEUMATIC VERSION****
BP 4	300	2,500	20	DN65**	3	4
BP 6	300	3,000	20	DN65**	5.5	4
BP 8	3,000	9,000	30	DN100**	11	4
BP 10	3,000	12,000	16	DN100**	7.5	4
	3,000	20,000	8	DN100**	7.5	4

*The power consumption may vary with the pressure at which the pump must work. **All DIN32676
*** Required air pressure for pneumatic version: 8 bar

DESIGN CODE AND COMPLIANCE

2006/42/CE, EU 1935/2004 | FDA, TR CU 032, DOSH Compliant

MOBILE POSITIVE DISPLACEMENT PISTON PUMP

HRS BPM SERIES

The BPM Series is a mobile version of the standard BP Series pump. It is mounted on a mobile skid unit for easy movement, allowing it to be used across multiple production lines and locations, ideal for food manufacturers producing short runs of specialist products.

With the BPM Series, customers can enjoy the benefits of a BP Series pump without the need to invest in a dedicated pump, resulting in considerable capital savings.

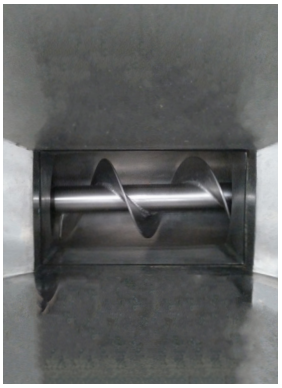
POSITIVE DISPLACEMENT PISTON PUMP WITH SCREW CONVEYOR

HRS BPSC SERIES

The HRS BPSC Series is specifically designed for highly viscous materials such as pastes and particularly those which are produced and packed at low temperature.

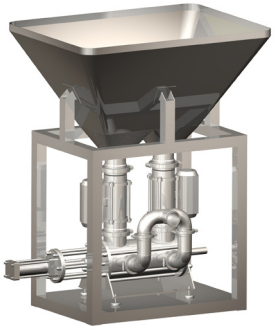
The product's thickness can make it hard to prime the pump. To overcome this, the HRS BPSC uses a gravity-fed hopper, together with a screw conveyor, to feed product into the inlet of the pump.

Once suction side has been filled, the pump is primed and will operate as normal with a constant flow of product.



HORIZONTAL POSITIVE DISPLACEMENT PISTON PUMP

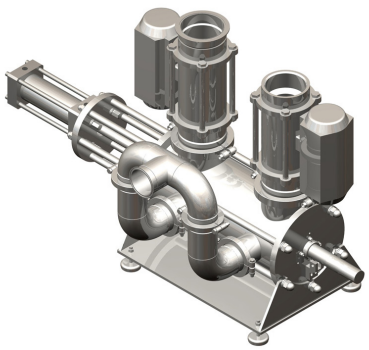
HRS BPH SERIES



The HRS BPH Series is a horizontal version of the BP Pump for use with products with larger sized particulates.

The pump is mounted horizontally and inlet is vertical. The standard clap valve is replaced with an automatic ball valve.

Also comes with the option of a feed hopper.



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