



HIGH PRESSURE PLUNGER PUMP

HIGH PRESSURE PLUNGER PUMP | TYPE RHP

The RONO high pressure plunger pump is a triplex piston pump and is used to convey various edible fat products through multipurpose process lines.

The pump cylinder is separated into three chambers in which the plungers are moving for gentle transfer of the product. Suction and discharge side of each plunger are equipped with special dimensioned pump valves to ensure the highest volumetric efficiency.

All safety related control elements like the stainless steel pressure relief valve, the pressure transmitter with switch and oil pressure safety switch are of course included.

The pump is designed to always maintain a stable and smooth product flow which is the basis for the best final result and a superior product quality.

The capacity of the pump can be easily adjusted by a frequency converter easily and allows a digital process control.

The RONO high pressure pump is built in accordance with the highest demands of the food industry and meets all CIP cleaning requirements to ensure the best performance and hygienic standards.

BENEFITS

- ✓ Proven triplex plunger technique
- ✓ Very stable product flow
- ✓ Digital process control
- ✓ Pressure sensor included
- ✓ Made in Germany
- ✓ Wide diversity of fat products
- ✓ Safety valve included
- ✓ Smooth operation at all capacities
- ✓ Easy maintenance
- ✓ Sanitary design

HIGH PRESSURE PLUNGER PUMP

Types & Variations

■ Capacities

The high pressure plunger pump is available in different capacities, starting from 600 ℓ/h up to 15.000 ℓ/h

■ Available valves

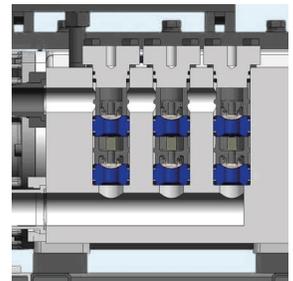
Depending on your specific product properties you can choose between poppet valves and ball valves.

■ Modular System

This applies for all pump components and allows an easy replacement of various parts.

■ Working pressure range

Up to 120 bar



TECHNICAL DATA

Modell	RHP 2.5-120T	RHP 2-70T	RHP 2-120T	RHP 3-70T	RHP 3-120T	RHP 3.5-120T
Capacity Range (m ³ /h)	0,6 – 3,0	1,6 – 8,0	1,4 – 7,0	2,6 – 13,0	2,6 – 13,0	3,0 – 15,0
Max. Pressure (bar)	120	70	120	70	120	120
Design Pressure (bar)	150	100	150	100	150	150
Motor (kW)	15,0	22,0	37,0	37,0	55,0	75,0
Pump Type	Triplex	Triplex	Triplex	Triplex	Triplex	Quintuplex
Pump Valves	Poppet	Poppet	Poppet	Poppet	Poppet	Poppet
Max. Capacity for Ball Valves (m ³ /h)	1,9	4,1	4,1	9,5	9,5	10,0
Plunger Dia (mm)	36,5	60,3	55,0	69,9	63,5	54,0
Stroke (mm)	57,0	80,0	80,0	114,0	114,0	114,0
Frequency Converter	Included	Included	Included	Included	Included	Included
Safety Valve	Included	Included	Included	Included	Included	Included
Inlet (DIN11851)	DN40	DN50	DN50	DN50	DN50	2 × DN50
Outlet	DN40	DN50	DN50	DN50	DN50	2 × DN50
Dimension (m)	0,75 × 1,1 × 1,4	0,97 × 1,1 × 1,4	0,97 × 1,1 × 1,4	1,1 × 1,2 × 1,8	1,1 × 1,2 × 1,8	1,5 × 1,5 × 2,3
Weight (kg)	930	1450	1450	2250	2250	2500