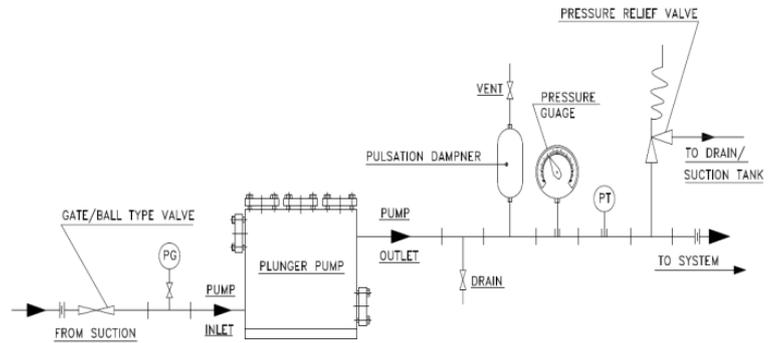




HIGH PRESSURE PISTON PUMP - RD SERIES

The sub cooling of the emulsion in the SSEs and the reduced cross sectional flow in the Resting Tube causes the pressure to rise to the extent of 60 Bar for certain products. A high pressure positive displacement pump will thereby be required for the manufacture of Specialty Fats.



The RD Series is a High-Pressure Triplex Plunger Pump is a Positive Displacement Pump designed for a test pressure of 120 bar. The Pump is equipped with a SS 316 Housing, a Pressure Indicator, a Pressure Transmitter and Safety Relief Valve and FDA approved Seals. The Variable Frequency Driven Motor ensures that products with different Solid Fat Index can be manufactured using the same pump.

Plunger Pump Specifications

Design Pressure	200 kg / cms ²			
Pump type	Horizontal single acting reciprocating plunger type pump			
Model	RD2K	RD4K	RD6K	RD10K
Capacity Range	1400-2900 ltrs/hr	2200 - 5000	4500 - 11500	11000 - 21000
Plunger Diameter	35-50 mm	40-60 mm	50-80 mm	70-100 mm
Pump Speed	164 rpm	164 rpm	164 rpm	164 rpm
Stroke length	50 mm	60 mm	80 mm	100 mm
BHP at duty point	10.98 kW @ 120 bar / 7.32 kW @ 80	18.97 kW @ 80 bar / 12.65 kW @ 120	29.98 kW @ 80 bar / 44.96 kW @ 120	58.55 kW @ 80 bar / 87.82 kW @ 120
Motor RPM	1440	1440	1440	1440
Speed reduction	Gear	Gear	Gear	Gear
Speed Variation	Through Variable Frequency Drive			
End Connection	2 ½" x 1" DIN	3" x 1" DIN	4" x 2" DIN	6" x 3" DIN
Pressure	1 No	1 No	1 No	1 No
Analog Pressure	1 No	1 No	1 No	1 No
Safety Relief Valve	1 No	1 No	1 No	1 No
Liquid end material of construction – Stainless steel 316 quality				

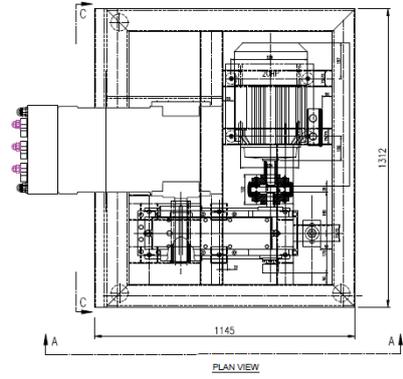
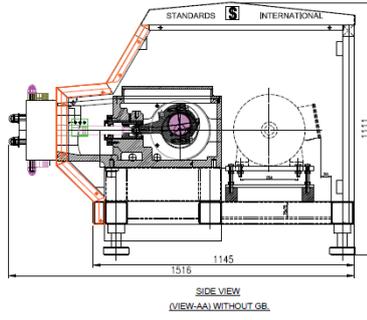
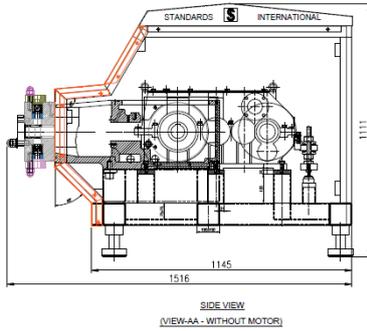
Dimensional Drawings



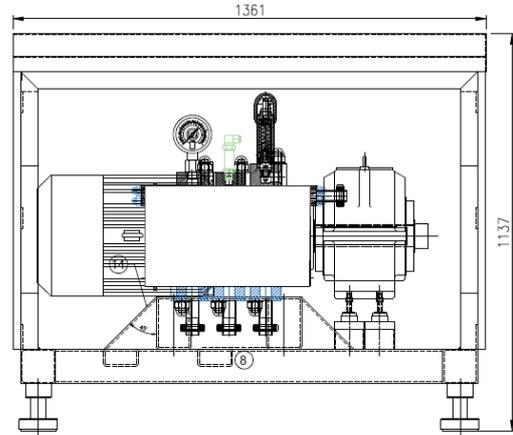
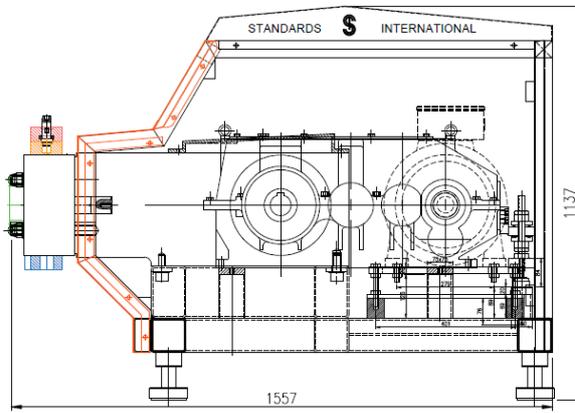


HIGH PRESSURE PISTON PUMP - RD SERIES

RD 2000



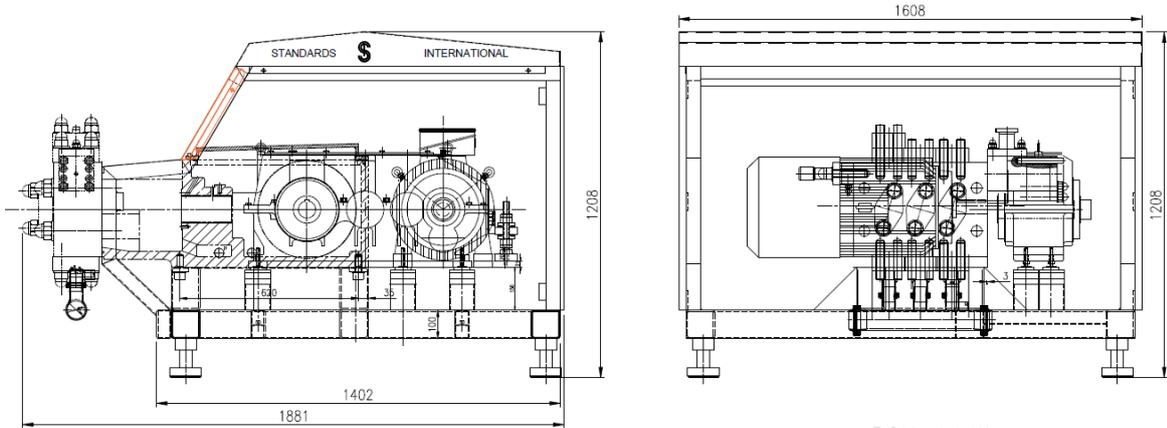
RD 4000





HIGH PRESSURE PISTON PUMP - RD SERIES

RD 6000



RD 10000

