

wright flow

TECHNOLOGIES

rtp

Rotary Tanker Pump



Typical Applications

Sugars, Glucose, Starches, Chocolate, Chemicals,
Surfactants, Food oil, Milk and Cream



The all new RTP 20 and RTP 30 Rotary Tanker Pumps

Wright Flow Technologies Ltd., have refined proven rotary lobe pump principles to produce new rugged, robust and reliable pumps specifically to satisfy the needs of the road tanker industry.

Superb operator and maintenance benefits:

Low weight - High displacement - Compact size

A tanker operator wants to carry payload, not pump! RTP pumps have excellent displacement / weight ratios, meaning more in the tank and less in the cabinet, RTP's being about 30% shorter than many competitor pumps.

Low Life Cycle Costs

Maintenance is virtually zero on these pumps giving excellent low whole life cost benefits.

Low NPSH requirement

Standard full bore 75 mm (3.0") inlet / outlet ports on the RTP 20 & RTP 30 pumps with 100 mm (4.0") full bore inlet / outlet ports available on the RTP 30. This means that the flow of fluid to the pump rotors is not restricted as it is with many of our competitor's pumps. The bore is the same all the way to the rotors, not tapered to a 75 mm (3.0") hole like others. This allows high viscosity fluids to be pumped at twice the flowrate thus allowing faster discharges.

Nominal pressure to 12 bar

The rugged design allows the pumps to handle high differential pressures, a must when handling viscous liquids at high flows, again allowing faster discharges.

316L stainless steel wetted parts

so whether it is hygiene you need or chemical compatibility, the RTP has the answer.

Low maintenance

All RTP pumps are grease filled for zero maintenance at the gearbox end. No more trying to fill with oil in a cramped cabinet on a cold winters day.

Meets 3A and FDA standard.

A wide range of seal combinations

make the RTP suitable for all applications, industrial or hygienic, food or chemical with modular front-loading and unloading seals including: Silicon carbide faced mechanical seals, lip-seals or dynamic 'O' ring seals. The RTP 30 has standard short DIN 24960 seal envelope.



Ideally suited for CIP / SIP or Strip cleaning

The RTP pump can be cleaned in place, sterilised in place or indeed stripped down for hand cleaning. A method to suit every application.

Close coupled mounting for hydraulic drive

2 or 4 bolt SAE 'A' flange with keyway, 6 or 14 tooth spline or an external shaft for electric motor drive.

Universal mounting

With its bolt on feet, the RTP can be mounted with the drive shaft and ports in any orientation ensuring total flexibility of installation.

Integral relief valve available

A safety relief valve may be fitted to protect the pump against excess pressure due to product solidifying in the discharge line or a valve being shut.

Front cover and rotor case heating/cooling available

For handling heat sensitive products such as chocolate, heating can be applied to the pump head to ensure that the liquid does not solidify in the pump.



APPLICATIONS:

Sugars

Glucose

Starches

Chocolate

Chemicals

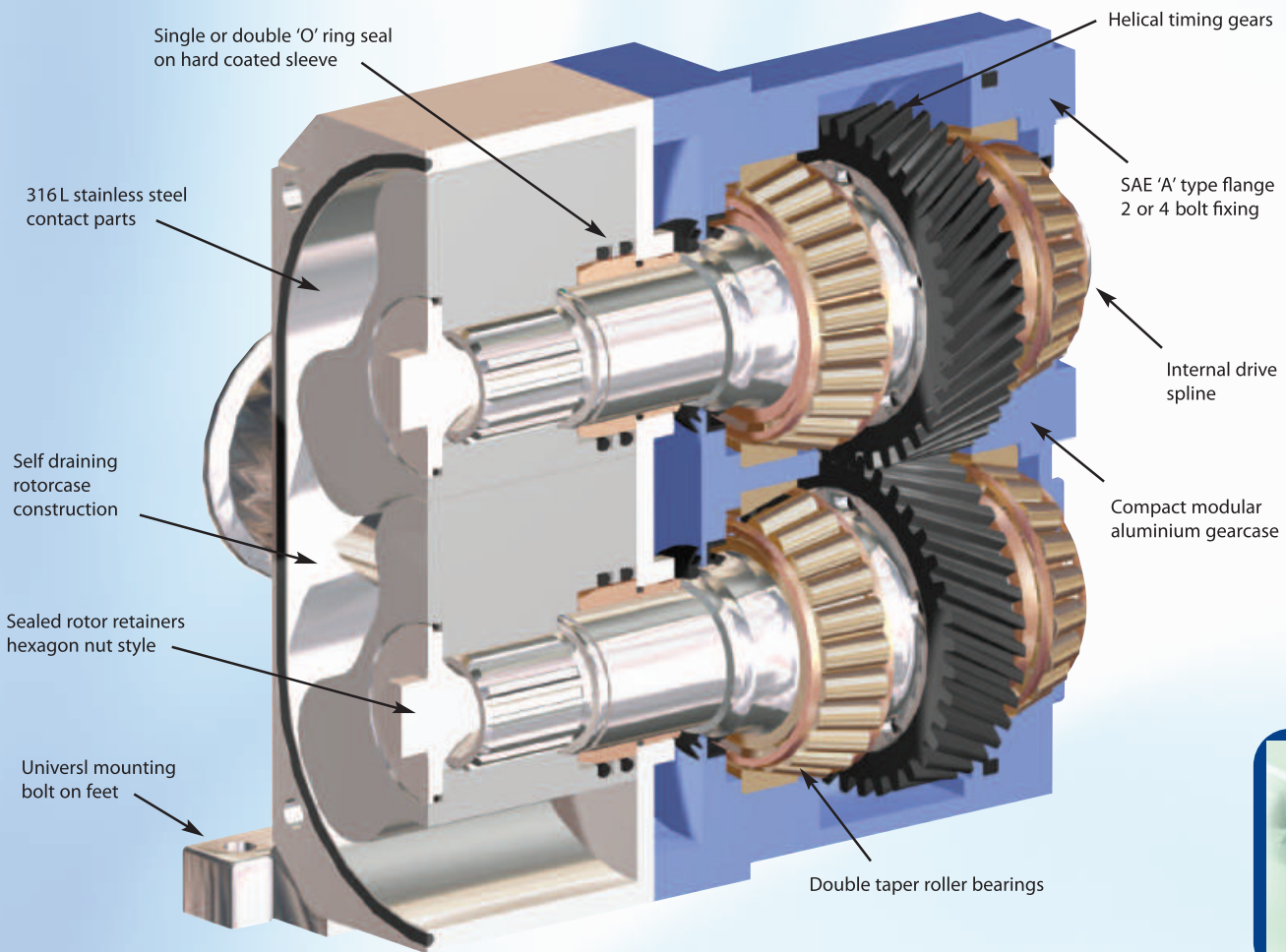
Surfactants

Food oil

Milk

Cream





RTP 20 construction

SEALED FOR SAFETY

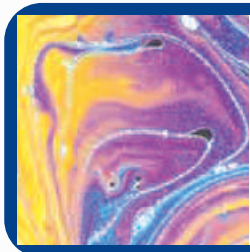
In designing the RTP 20 and the RTP 30 we have concentrated on reliability and low maintenance. The gearbox is sealed and pre-filled with semi liquid grease, eliminating the need for routine inspection and filling. All seal options are accessed from the front of the pump allowing them to be inspected and changed without removing the pump from the tanker or pipework, the front loading 'O' ring seal making it ideal for strip cleaning and ease of maintenance.

SO VERSATILE

Equally at home in hygienic applications, the pump is also suitable for industrial and chemical use, the DIN24960 seal housing (RTP 30) and different rotor settings giving the pump flexibility in application and assignment. Different seal types may be fitted without the need for modification, adding to the flexibility of the RTP.

STAYS CLEANER - LONGER!

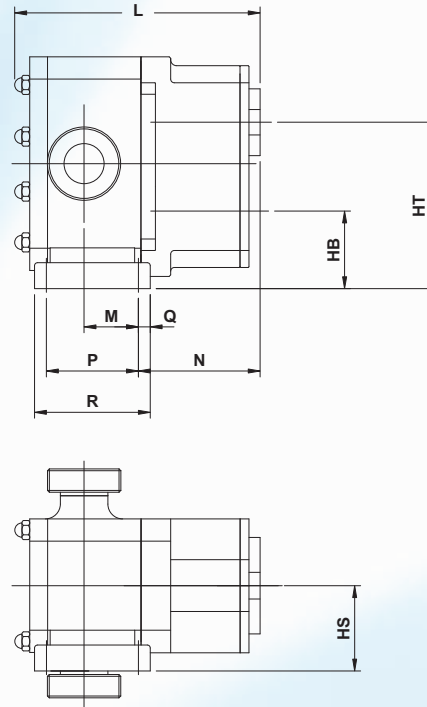
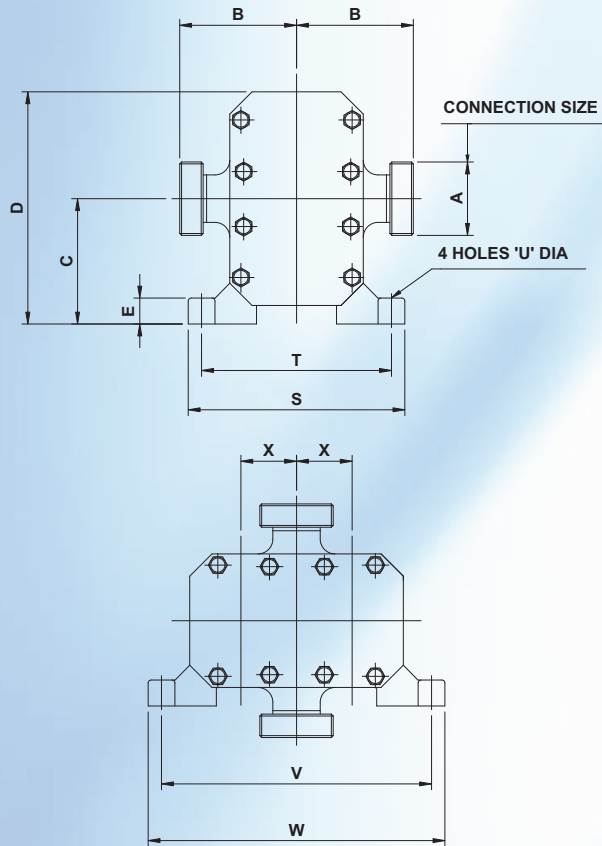
The strategic placement of the product seals in the rear of the rotors, mean that they can be easily removed for strip cleaning and refitted by the operator in minutes. The fully swept pump chamber ensures that once cleaned, the pump will remain cleaner, longer.



Designed specifically for the road tanker industry

RTP 20 and RTP 30 Rotary Tanker Pump Specifications

Technical specifications

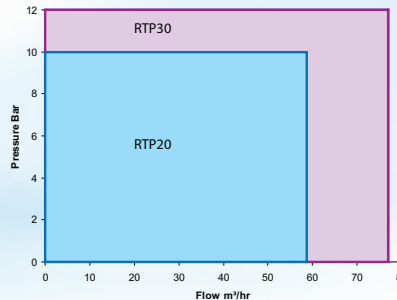


Available in a 1.0 or 1.28 litres/rev displacement, which means, using the RTP 30, a 30,000 -litre tanker can be unloaded in just 23 minutes ensuring that minimum time is spent with the vehicle idle.

Disclaimer: Dimensions are for guidance only.
Please refer to our technical office if a certified drawing is required

RTP 20 and RTP 30 measurements in millimetres (mm)

	RTP 20		RTP 30	
A	50	80	80	100
B1	117		131	
B2	139	149	163	178
B3	131		145	
B4	131	139	153	
B5	139	144	158	
C	142		157	
D	275		305	
E	22		29	
HB	88		97	
HS	88		100	
HT	196		217	
L	299		311	
M	42		62	
N	174		161	
P	90		124	
Q	14		14	
R	117		152	
S	222		243	
T	195		214	
U	11		13	
V	303		329	
W	330		358	
X	54		60	



RTP 20 and RTP 30 Flow rate comparison

Weight RTP 20: 49kg
RTP 30: 67kg

For more information, contact your local authorized Wright Flow Technologies Distributor or contact us at:



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