

28300 Series

Hygienic Stainless Steel Pedestal Pump

Features

- Self primes from dry up to 5.0 metres
- Flows up to 80 litres per minute
- Pressure up to 4.0 bar
- Handles soft solids - max. 12mm diameter
- Certified to US 3A Standard 02-09
- Clean-In-Place (CIP) or easy strip clean
- Handles viscosities up to 50,000 centiPoise
- Minimal shear to thixotropic fluids
- Easy to service and maintain

Typical Applications

- Foods, sauces, doughs, preserves, liquid egg, meat pastes
- Dairy products, milk, cream, yoghurt, cheeses
- Cosmetics, toothpaste, shampoos, soaps
- Pharmaceutical creams & lotions
- Wines, beers, soft drinks, fruit juices & syrups
- Ingredients unloading and transfer
- Tank filling and emptying
- Recirculation and mixing
- Portion and container filling
- Brine injection
- Sampling, filtration and more

Model Range

Pressure options	Standard - Max 2.5 bar		High - Max 4.0 bar	
Elastomer option	3A Neoprene	E.P.D.M.	3A Neoprene	E.P.D.M.
Temperature range	4°C to 65°C	0°C to 120°C	4°C to 65°C	0°C to 120°C
Mechanical Seal Options				
Carbon/Ceramic	28300-x105	28300-x102	28300-x125	28300-x122
Tungsten Carbide/Ceramic hard faced	28300-x205		28300-x225	
Flushed Mechanical Seal				
Tungsten Carbide/Ceramic hard faced	28300-x705	28300-x702	28300-x725	
Carbon/Ceramic	28300-x905		28300-x925	

For models not listed above, consult distributor or factory, 'x' Substitute port code from table above

Note : it is not recommended to start the pump at extremes of the temperature range, impeller damage may occur

For Installation, Operating, Maintenance and Safety Instructions refer to form 43001-0543



WARNING Explosion hazard. Do not pump gasoline, solvents, thinners or other flammable liquids. To do so can cause an explosion resulting in injury or death.



WARNING Injury hazard. Exposed pulleys and belts can cause injury. Install shield around pulleys and belts. Stay clear while machinery is operating.



Specifications

Seal : Carbon / Ceramic mechanical face seal
Tungsten Carbide / Ceramic hard faced seal
Flushed options for crystallising fluids

Seal Elastomer : Food grade Nitrile

Pump Head : Stainless steel 316, machined interior and electropolished exterior finish

End Cover : Stainless steel 316 grade

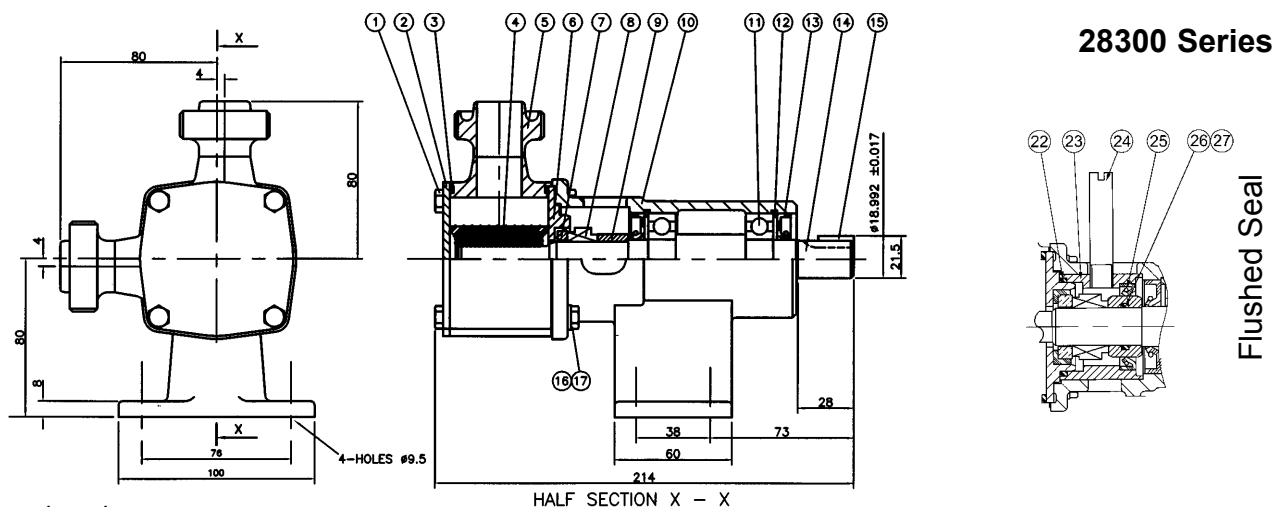
Shaft : Stainless steel 316 grade

Bearings : Greased ball bearings

Bearing Housing : Epoxy coated cast iron

Ports :	1"	Tri-Clamp	28300-1xxx
	25mm	IDF/ISS	28300-3xxx
	1"	RJT to BS1864	28300-4xxx
	1"	3A Bevel Seat	28300-5xxx
	25mm	DIN 11851	28300-6xxx
	25mm	SMS 1145	28300-7xxx

Weight : 4.4kg



Dimensions in mm

For performance data refer to the 080 size flexible impeller pump performance curves

Parts List

Key	Description	Qty	Part Number
1	Screw	4	X3001-176F
2	Endcover	1	28305-0020
3	O'Ring *	2	See right
4	Impeller*	1	See right
5	Body	1	See right
6	Wearplate	1	28336-0000
7 / 8	Seal Assembly *	1	See right
9	Seal Spacer	1	28317-0000
10	Bearing Housing	1	28303-0000
11	Bearing	2	SP2601-33
12	Retaining Ring	2	SP1701-438
13	Lip seal (Bearing Housing)	2	SP2701-0910
14	Shaft	1	28307-0000
15	Key	1	X4000-130A
16	Washer	4	X3080-091K
17	Screw	4	X3001-180F
22	O-Ring	1	X4020-244A
23	Seal Housing	1	28312-0000
24	Tube	2	21844
25	Seal	1	SP2701-0914
26	O-Ring	1	X4020-217A
27	Seal Spacer	1	28317-0001

Parts marked * Contained in service kit

Spare Parts & Service Kits

Pressure Rating		Standard	High
3	O-Ring	Nitrile	X4020-269A
4	Impeller	3A Neoprene	8981-0005B
		E.P.D.M.	8840-0005B
		Tri-Clamp	8981-0002B
		IDF/ISS	28304-1000
		RJT	28304-3000
		Bevel Seat	28304-4000
		DIN	28304-5000
		SMS	28304-6000
		Std Mech.	28304-7000
7 / 8	Seals	Hard Faced	28331-0103B
		3A Neoprene	28331-0203B
		E.P.D.M.	SK377-0105
	Service Kit		SK377-0125

Models with Neoprene and E.P.D.M. impellers use Nitrile elastomers on seals and O-rings.

NOTE:- Service Kits contain standard mechanical seals. For hard faced seals, order parts separately.

Other Available Options

Standard head kits, for close coupling to standard IEC motors.