



# 080 Size Hygienic Stainless Steel FIP Pump

11/00

## 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

#### 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	

#### Model Range

**Weight** : 4.4kg


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	
<b>Mechanical Seal Options</b>					
Carbon/Ceramic	28300-x105	28300-x102	28300-x125	28300-x122	
Tungsten Carbide/Ceramic hard faced	28300-x205		28300-x225		
<b>Flushed Mechanical Seal</b>					
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

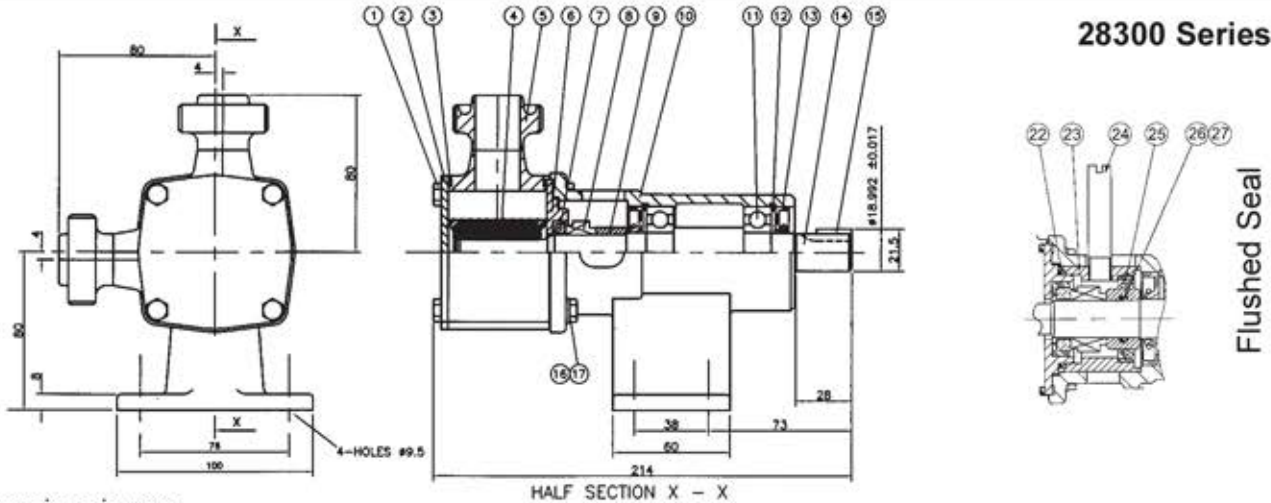
For Installation, Operating, Maintenance and Safety Instructions refer to form 43001-0543

**⚠ 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.





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

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.

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