

## 28400 Series

### Hygienic Stainless Steel Pedestal Pump

#### Features

- Self primes from dry up to 5.0 metres
- Flows up to 200 litres per minute
- Pressure up to 4.0 bar
- Handles soft solids - max. 16mm 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 :			
1½"	Tri-Clamp		28400-1xxx
38mm	IDF/ISS		28400-3xxx
1½"	RJT to BS1864		28400-4xxx
1½"	3A Bevel Seat		28400-5xxx
40mm	DIN 11851		28400-6xxx
38mm	SMS 1145		28400-7xxx

#### Model Range

**Weight** : 9.1kg


Pressure options	Medium - 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	28400-x115		28400-x112	28400-x125	28400-x122
Tungsten Carbide/Ceramic hard faced	28400-x215			28400-x225	
Flushed Mechanical Seal					
Tungsten Carbide/Ceramic hard faced	28400-x715			28400-x725	
Carbon/Ceramic	28400-x915			28400-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

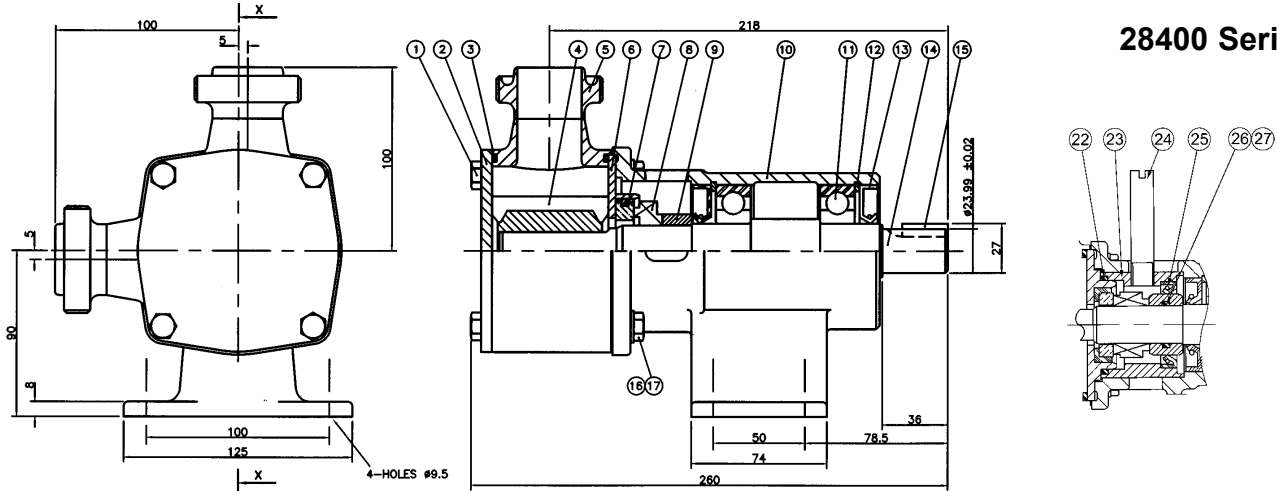
**⚠ WARNING** Explosion hazard. Do not pump gasoline, solvents, thinners or other flammable liquids. To do so can cause an explosion resulting in injury or death.



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



### 28400 Series



Dimensions in mm

For performance data refer to the 200 size flexible impeller pump performance curves

### Parts List

Key	Description	Qty	Part Number
1	Screw	4	X3001-207F
2	Endcover	1	28405-0020
3	O'Ring *	2	See right
4	Impeller*	1	See right
5	Body	1	See right
6	Wearplate	1	28436-0000
7 / 8	Seal Assembly *	1	See right
9	Seal Spacer	1	28417-0000
10	Bearing Housing	1	28403-0000
11	Bearing	2	SP2601-28
12	Retaining Ring	2	SP1701-283
13	Lip seal (Bearing Housing)	2	SP2701-0911
14	Shaft	1	28407-0000
15	Key	1	X4000-487A
16	Washer	4	X3080-101K
17	Screw	4	X3001-209F
22	O-Ring	1	X4020-261A
23	Seal Housing	1	28412-0000
24	Tube	2	21844
25	Seal	1	SP2701-0915
26	O-Ring	1	X4020-227A
27	Seal Spacer	1	28417-0001

Parts marked \* Contained in service kit

### Spare Parts & Service Kits

Pressure Rating		Medium	High
3	O-Ring	Nitrile X4020-399A	X4020-399A
4	Impeller	3A Neoprene 14346-0005B	8983-0005B
		E.P.D.M. 14346-0002B	8983-0002B
5	Body	Tri-Clamp 28404-1000	28404-1000
		IDF/ISS 28404-3000	28404-3000
		RJT 28404-4000	28404-4000
		Bevel Seat 28404-5000	28404-5000
		DIN 28404-6000	28404-6000
7 / 8	Seals	SMS 28404-7000	28404-7000
		Std Mech. 28431-0103B	28431-0103B
		Hard Faced 28431-0203B	28431-0203B
Service Kit	3A Neoprene E.P.D.M.	SK378-0115	SK378-0125

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.

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