

28520 Series

Hygienic Stainless Steel Head Kit Pump

Features

- Self primes from dry up to 4.5 metres
- Flows up to 365 litres per minute
- Pressure up to 2.5 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 10,000 centiPoise
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 100



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 shaft extension

Bearings : Uses motor bearings

Motor Adaptor : Epoxy coated cast iron


Ports :			
2"	Tri-Clamp	28520-1xxx	
38mm	IDF/ISS	28520-3xxx	
2"	RJT to BS1864	28520-4xxx	
2"	3A Bevel Seat	28520-5xxx	
40mm	DIN 11851	28520-6xxx	
38mm	SMS 1145	28520-7xxx	

Model Range

Weight : 10.0kg

Pressure options	Standard - Max 2.5 bar†		Medium - Max 2.5 bar†	
	3A Neoprene	E.P.D.M.	3A Neoprene	E.P.D.M.
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	28520-x105			28520-x112
Tungsten Carbide/Ceramic hard faced				
Flushed Mechanical Seal				
Tungsten Carbide/Ceramic hard faced				
Carbon/Ceramic				
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.



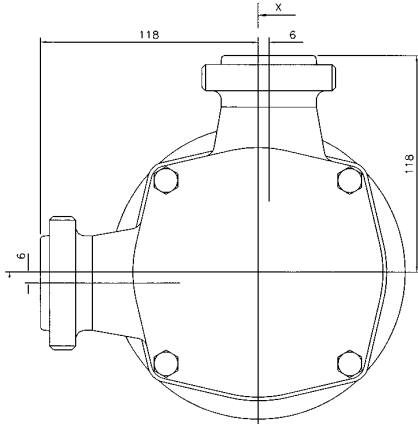
† Pressures over 1.0 bar may reduce motor shaft life

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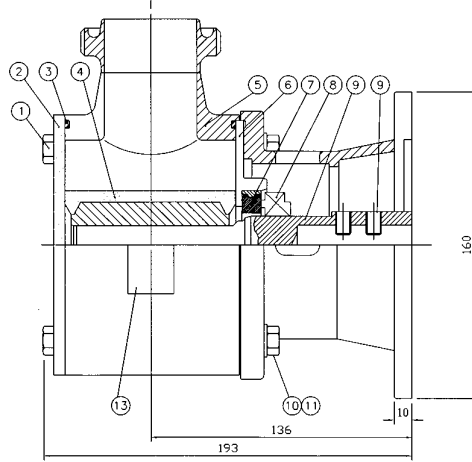
370 Size Hygienic Stainless Steel FIP Pump

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Fits IEC motor with foot & face to IEC B3/B14 frame size 100



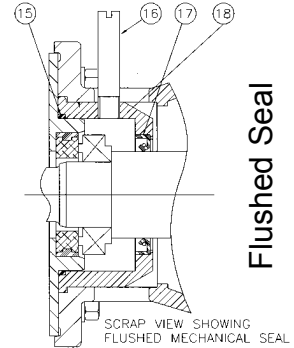
Dimensions in mm



HALF SECTION X - X

For performance data refer to the 370 size flexible impeller pump performance curves

28520 Series



Flushed Seal

Parts List

Key	Description	Qty	Part Number
1	Screw	4	X3001-207F
2	Endcover	1	28505-0020
3	O'Ring *	2	See right
4	Impeller*	1	See right
5	Body	1	See right
6	Wearplate	1	28536-0000
7 / 8	Seal Assembly *	1	See right
9	Shaft Extension	1	28527-0001
10	Motor Adaptor	1	28523-0000
11	Screw	4	X3001-209F
12	Washer	4	X3080-101K
13	Screw	4	X3001-211F
14	Washer	4	X3080-101F
15	Set Screw	2	X3009-207A
22	O-Ring	1	X4020-269A
23	Seal Housing	1	28512-0000
24	Tube	2	21844
25	Seal	1	SP2701-0916

Parts marked * Contained in service kit

Spare Parts & Service Kits

Pressure Rating	Standard	Medium	
3 O-Ring Nitrile	X4020-424A	X4020-424A	
4 Impeller	3A Neoprene	8984-0005B	8963-0005B
	E.P.D.M.		8963-0002B
5 Body	Tri-Clamp	28504-1000	28504-1000
	IDF/ISS	28504-3000	28504-3000
	RJT	28504-4000	28504-4000
	Bevel Seat	28504-5000	28504-5000
	DIN	28504-6000	28504-6000
7 / 8 Seals	SMS	28504-7000	28504-7000
	Std Mech.	28531-0103B	28531-0103B
Service Kit	Hard Faced	28531-0203B	28531-0203B
	3A Neoprene E.P.D.M.	SK379-0105	SK379-0115

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

Pedestal pumps, for higher pressure capability.

Jabsco



ITT Industries

USA

Jabsco
20 Icon
Foothill Ranch
CA 92610

Tel : +1 949 859 4945
Fax : +1 949 859 1153

UK

Jabsco
Bingley Road
Hoddesdon
Hertfordshire, EN11 0BU

Tel : +44 (0) 1992 450 145
Fax : +44 (0) 1992 467 132

GERMANY

Jabsco GmbH
Oststraße 28
22844 Norderstedt

Tel : +49 (0) 40 53 53 73 0
Fax : +49 (0) 40 53 53 73 11

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