

28220 Series

Hygienic Stainless Steel Head Kit Pump

Features

- Self primes from dry up to 5.0 metres
- Flows up to 40 litres per minute
- Pressure up to 3.0 bar†
- Handles soft solids - max. 8mm 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 80



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 :	1"	Tri-Clamp	28220-1xxx
	25mm	IDF/ISS	28220-3xxx
	1"	RJT to BS1864	28220-4xxx
	1"	3A Bevel Seat	28220-5xxx
	25mm	DIN 11851	28220-6xxx
	25mm	SMS 1145	28220-7xxx

Model Range

Weight : 2.5kg

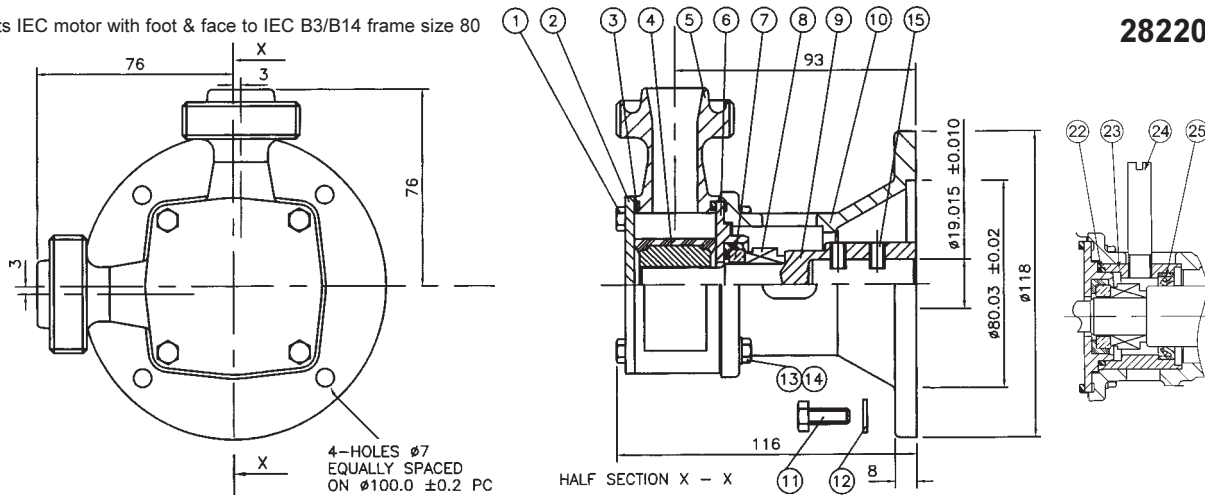
Pressure options	Standard - Max 2.5 bar		High - Max 3.0 bar†	
Elastomer option	3A Neoprene	E.P.D.M.	3A Neoprene	E.P.D.M.
Temperature range	4°C to 65°C	0°C to 120°C	4°C to 65°C	0°C to 120°C
Mechanical Seal Options				
Carbon/Ceramic	28220-x105	28220-x102	28220-x125	28220-x122
Tungsten Carbide/Ceramic hard faced	28220-x205		28220-x225	
Flushed Mechanical Seal				
Tungsten Carbide/Ceramic hard faced	28220-x705		28220-x725	
Carbon/Ceramic	28220-x905		28220-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.

† Pressures over 2.5 bar may reduce motor shaft life

Fits IEC motor with foot & face to IEC B3/B14 frame size 80

28220 Series


Dimensions in mm

For performance data refer to the 040 size flexible impeller pump performance curves

Parts List

Key	Description	Qty	Part Number
1	Screw	4	X3001-147F
2	Endcover	1	28205-0020
3	O'Ring *	2	See right
4	Impeller*	1	See right
5	Body	1	See right
6	Wearplate	1	28236-0000
7 / 8	Seal Assembly *	1	See right
9	Shaft Extension	1	28227-0001
10	Motor Adaptor	1	28223-0000
11	Screw	4	X3001-180F
12	Washer	4	X3080-091K
13	Screw	4	X3001-153F
14	Washer	4	X3080-081F
15	Set Screw	2	X3009-176A
22	O-Ring	1	X4020-237A
23	Seal Housing	1	28212-0000
24	Tube	2	21844
25	Seal	1	SP2701-0913

Parts marked * Contained in service kit

Spare Parts & Service Kits

Pressure Rating			Standard	High
3	O-Ring	Nitrile	X4020-259A	X4020-259A
4	Impeller	3A Neoprene	7614-0005B	8980-0005B
		E.P.D.M.	7614-0002B	8980-0002B
5	Body	Tri-Clamp	28204-1000	28204-1000
		IDF/ISS	28204-3000	28204-3000
		RJT	28204-4000	28204-4000
		Bevel Seat	28204-5000	28204-5000
		DIN	28204-6000	28204-6000
		SMS	28204-7000	28204-7000
7 / 8	Seals	Std Mech.	28231-0103B	28231-0103B
		Hard Faced	28231-0203B	28231-0203B
Service Kit		3A Neoprene	SK376-0105	SK376-0125
		E.P.D.M.		

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

High Temperature impeller part no. 23470-0065B available separately.

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

Other Available Options

Pedestal pumps, for higher pressure capability.

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