



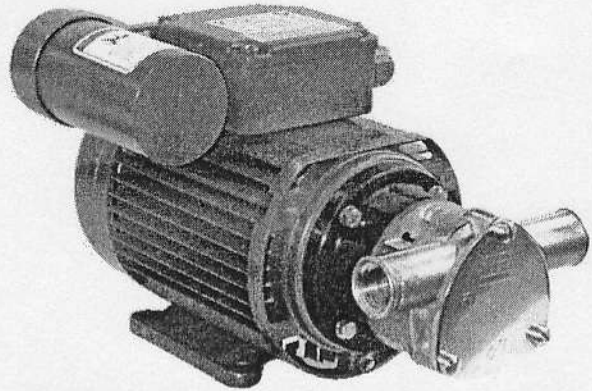
020 Size Bronze Flexible Impeller AC Motor Pump Unit

04/00

50020 Series Bronze Flexible Impeller Pump

Features

- Self prime from dry up to 1.5 metres
- Flows up to 18 litres per minute
- Pressure up to 1.7 bar
- Will handle hard or soft solids
- Will tolerate abrasive wear
- Non pulsating flow
- Will handle viscosities up to 500 centiPoise
- Uses standard IEC motor



Typical Applications

- **Industrial** : Industrial filling systems, Utility shop pump, Transfer systems, Recharge water softeners, Sump emptying, Cooling tower circulation, Line cleaning, Heat exchangers, Air scrubbers, Processing systems, Laboratory circulation and Oil changing
- **Plumbing** : Emptying clogged drains, Pump out water closets and Empty sumps, sinks & tubs.
- **Contractors** : Cement mixing, Wash down equipment, Empty basements and Fill & empty tanks.
- **Agricultural** : Fill water tanks, Flush animal pens and Pumping water for livestock.
- **Food & Beverage** : Vending machines, Refrigeration condensate pump out, Wash down equipment and Floor cleaning.

Specifications

Seal : Nitrile lip seal

Pump Head : Bronze

End Cover : Brass

Bearings : Uses motor bearings

Shaft : Stainless steel, shaft extension

Ports : 1/2" BSP internal thread and 25mm (1") bore hose connections

Motor Adaptor : Polypropylene

Weight : 6.4kg

Model Options

Impeller option				Neoprene	Nitrile
Temperature range				4°C to 80°C	-5°C to 90°C
Poles	Volts	Amps	RPM		
4	230	2.13	1450	50020-2411	50020-2413
Pump head only				50021-2411	50021-2413


Motors are single phase, 180 Watt, 50 Hertz, AC. Face & Foot mounting B3-B14.

Enclosure IP55, frame size 63 all IEC 72 standard. Fitted with manual reset thermal overload.


Note : it is not recommended to start the pump at extreme ends 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 Fire hazard. Wiring must comply with applicable electrical standards and include a properly sized fuse or circuit breaker. Improper wiring can cause a fire resulting in injury or death.

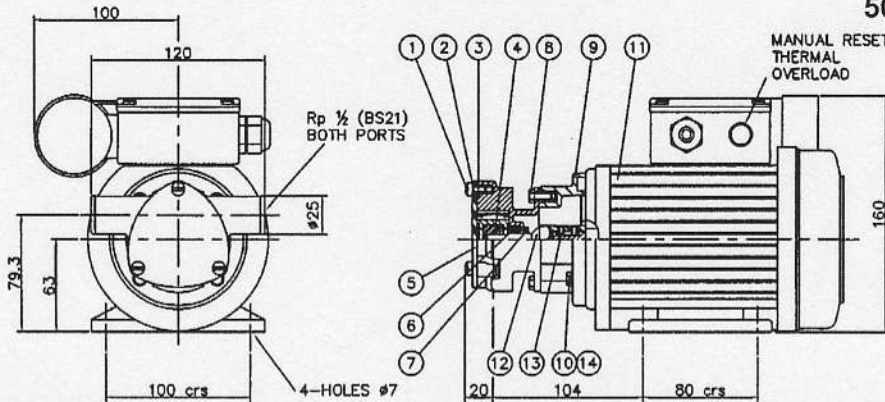




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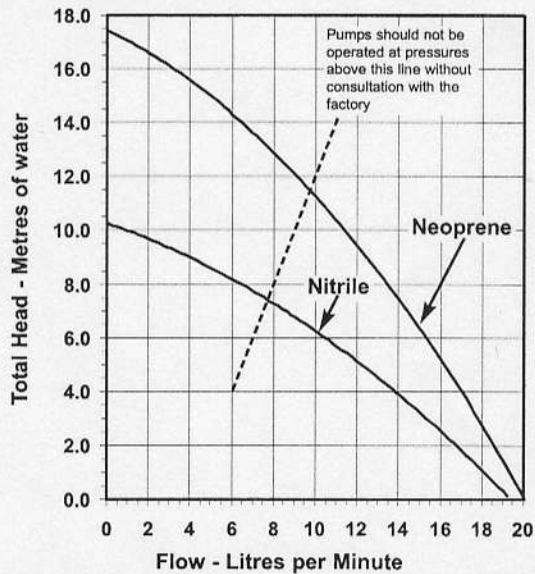
50020 Series



Parts List

KEY	DESCRIPTION	QTY	PART NUMBER
1	Screw	3	SP1004-09
2	Endcover	1	9328-0200
3	O-Ring	1	X5251-049
4	Impeller	1	Neoprene 7273-0001 Nitrile 7273-0003
5	Body	1	23064-2100
6	Lip Seal	1	SP2701-52
7	Slinger	1	6342
8	Screw	M5 x 12	2 X3001-151F
9	Adaptor	1	50168-0000
10	Screw	M5 x 16	4 X3001-153F
11	Motor	1	SP8012-0260
12	Shaft Extension	1	50167-0000
13	Socket Screw	2	X3009-093F
14	Washer	4	X3080-081F

Performance



Note : Performance shown is for a new pump, pumping water at 20°C, performance may vary by up to 15%. Consult factory for performance of alternative impeller compounds.

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