



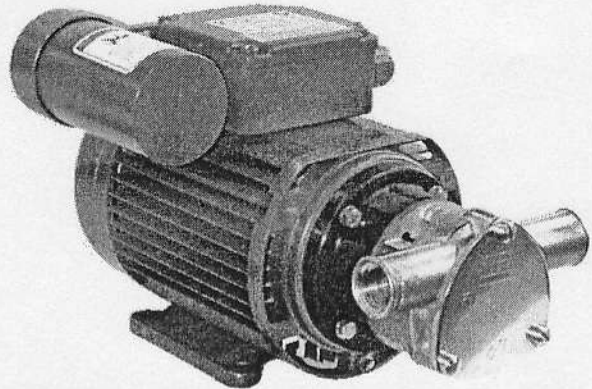
# 020 Size Bronze Flexible Impeller AC Motor Pump Unit

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.

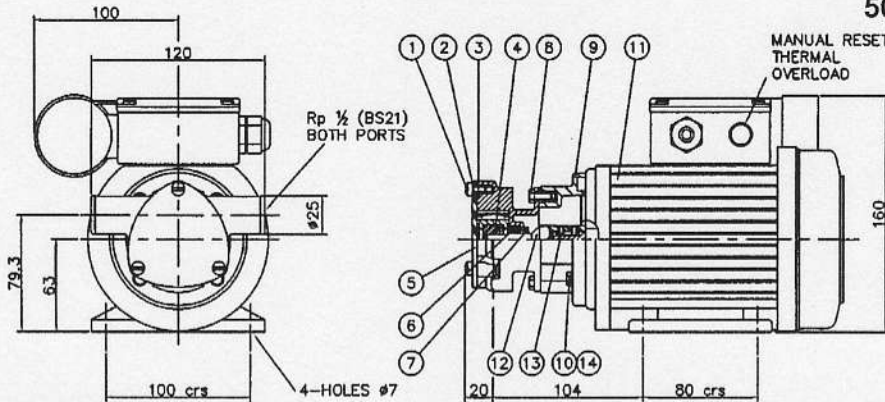




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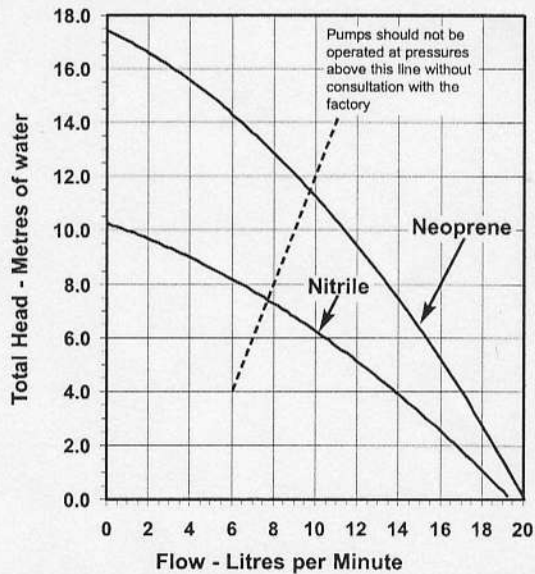
## 50020 Series



### 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	7273-0001 Neoprene Nitrile
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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