

040 Size Flexible Impeller AC Motor Pump Unit

2/99

28280 Series

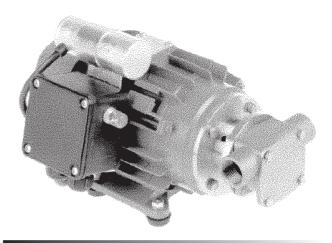
Stainless Steel Flexible Impeller Pumps

Features

- Self primes from dry up to 3.0 metres
- Flows up to 40 litres per minute
- Pressure up to 3.0 bar
- · Handles hard or soft solids
- Tolerates abrasive wear
- Non pulsating flow
- · Handles viscosities up to 500 centiPoise
- · Uses standard IEC motor



- Industrial: Industrial filling systems, utility shop pump, transfer systems, recharge water softeners, sump emptying, cooling tower circulation, line cleaning, heat exchangers, air scrubbers, laboratory circulation, oil changing.
- Food, Beverage & Dairy: Vending Machines, refrigeration condensate pump out, wash down equipment & floor cleaning.
- Further applications in the industrial, marine, farming & plumbing sectors; see our Bronze range of Flexible Impeller pumps



Specifications

Seal: Mechanical face, Carbon on Ceramic, Nitrile elastomers

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Pump Head: Stainless steel 316

End Cover: Stainless steel 316

Bearings: Uses motor bearings

Shafts: Stainless steel (intergral motor shaft)

Ports: 34" BSP (internal) to BS21 (DIN2999)

Motor Adaptor: Stainless steel

Weight: 7kg

Model Options

Pressure rating				Standard Pressure Impeller		High Pressure Impeller	
Impeller option				Neoprene	Nitrile	Neoprene	Nitrile
Temperature range				4°C to 80°C	-5°C to 90°C	4°C to 80°C	-5°C to 90°C
Poles	Volts	Amps	RPM				
4	230	6.0	1450	28280-04-2101	28280-04-2103	28280-04-2121	28280-04-2123
4	110	9.6	1450	28280-05-2101		28280-05-2121	
Pump head only				28281-2101	28281-2103	28281-2121	28281-2123

Motors are single phase, 250 Watt, 50 Hertz, AC. Face & Foot mounting B3-B14.

Enclosure IP55, frame size 71 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



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

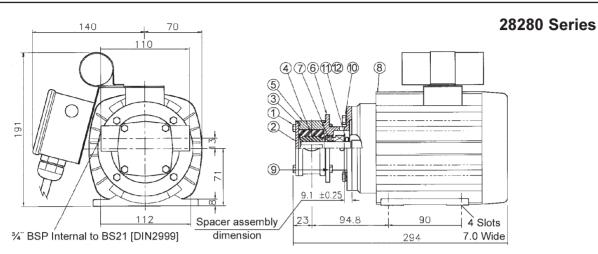


Fire hazard. Wiring must comply with applicable electrical standards and include a properly sized fuse or circuit breaker. Improper wiring can cause a fire resulting in injury or death



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Dimensions in mm

Parts List

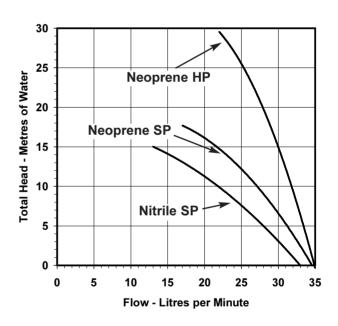
Key	Description	Qty	Part Number				
1	Screw *	4	X3001-147F				
2	Endcover	1	28205-0010				
3	O'Ring *	1	X4020-259A				
4	Impeller*	1	See below				
5	Body	1	28234-2000				
6	Motor Adaptor	1	28286-0000				
7	Seal Assembly *	1	22626-6000				
8	Motor 230V	1	SP8012-0212				
	110V	1	SP8012-0239				
9	Screw	4	X3001-153F				
10	Screw	4	X3001-180F				
11	Spacer	1	23828-0000				
12	Socket Screw	1	X3009-092F				
Parts marked * Contained in service kit							

Commonly used spare parts & service kit numbers:

Pressure rating	Standard	Pressure	High Pressure	
Elastomers	Neoprene	Nitrile	Neoprene	Nitrile
Impeller key 4	14281-0001	14281-0003	8980-0001	8980-0003
Service kit contains		SK409-0003	SK409-0021	SK409-0023

All models use Nitrile seal elastomers.

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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