



MAGNETIC DRIVE PUMPS

**14520 Series, 15650 Series,
17650 Series, 18650 Series**

- **Corrosion Resistant**
- **Dry Run Capability**
- **Hydraulically Efficient**
- **Quiet Operation**
- **No Shaft Seals**
- **Flexible Mounting and Body Discharge Position**
- **Low Current Draw and Heat Rise**
- **Maximum Flow 35 GPM**
- **Maximum System Pressure 75 PSI**
- **Maximum Head 53 Ft.**
- **Maximum Temperature 203° F**
- **Available in Noryl®, Polypropylene, or Ryton® bodies**



Model 14520 051 S



Model 18650 051 S

Operation is similar to the standard centrifugal pumps, except the impeller is driven with a magnetic coupling, eliminating the need for a shaft seal. Magnetic drive pumps must be used where flooded suction exists. Typical OEM applications include film processors, laser and x-ray cooling systems, medical, scientific and laboratory equipment and silver recovery equipment.

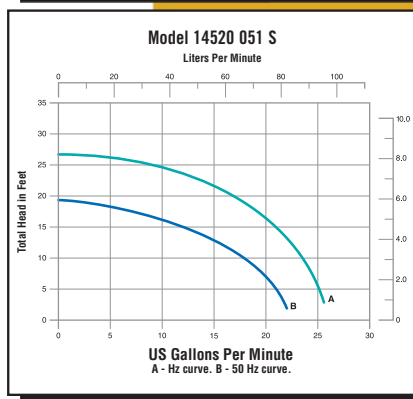
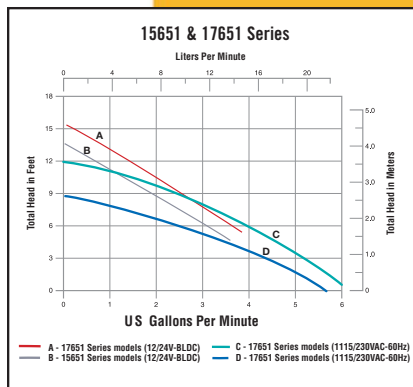
WARNING: Do not use in explosive atmosphere or for pumping volatile flammable liquids.

Ryton® is a registered trademark of Chevron-Phillips.
Noryl® is a registered trademark of General Electric Co.

INDUSTRIAL DUTY



Model 17651 079 S



Model 14520 051 S

Technical drawing of the Model 14520 051 S pump, showing front and side views with dimensions in inches and millimeters.

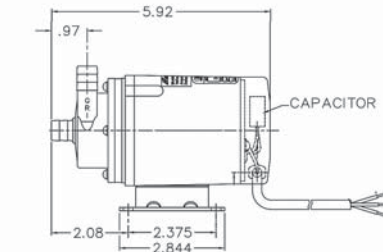
Front View Dimensions:

- Top flange outer diameter: 5.79 (147.07)
- Top flange inner diameter: 3.48 (88.39)
- Top flange thickness: 1.09 (27.69)
- Top flange mounting hole diameter: 3/4" N.P.T. (19.05 N.P.T.)
- Motor housing height: 5.13 (130.30)
- Motor housing base width: 2.50 (63.50)
- Motor housing base depth: 2.74 (69.60)
- Motor housing base mounting hole diameter: 2.25 (57.15)

Side View Dimensions:

- Top flange outer diameter: 2.06 (52.32)
- Top flange mounting hole diameter: 1" N.P.T. (25.4 N.P.T.)
- Motor housing height: 2.81 X .656 (7.14 X 16.66) 4-SLOTS
- Motor housing base width: 6.39 (162.31)
- Motor housing base depth: 10.06 (255.52)
- Motor housing base mounting hole diameter: 2.38 (60.45)
- Motor housing base mounting hole offset: 2.91 DIA. (99.31)
- Motor housing base mounting hole offset: 4.21 (106.83)

Flow Direction: Indicated by an arrow pointing to the right.

[illegible]

3.00 DIA.

.750 I.D. (TYP.)

.53 DIA. (TYP.)

.39 I.D. (TYP.)

.66 TYP.

3.93

2.18

.090

2.625

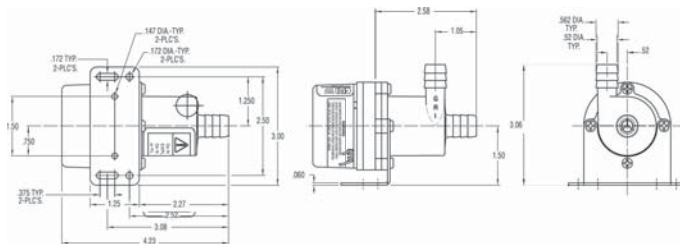
.45°

.380

.003

MOUNTING SLOTS
(4) .265 X .515 LG

17651-553-S



Technical drawing of the Model 17651 079 S, showing a side view and a top view with dimensions.

Side View Dimensions:

- Overall width: 3.791
- Top flange width: 1.969
- Top flange thickness: .375
- Top flange height: 1.532
- Top flange to centerline: .890
- Bottom flange width: 1.405
- Bottom flange height: 1.781

Top View Dimensions:

- Overall diameter: 3.500
- Inner diameter: 2.625
- Outer diameter: 3.640
- Lead length (2-PLCS): 12.00"
- Lead length (2-PLCS): 45°
- Lead length (2-PLCS): .28" TYP.
- Lead length (2-PLCS): .562 DIA. TYP.
- Lead length (2-PLCS): .385 I.D. TYP.
- Lead length (2-PLCS): .659 TYP.
- Lead length (2-PLCS): 1.890 REF.

Model 17651 079 S

MODEL	ELECTRICAL CHARACTERISTICS					MATERIALS IN CONTACT WITH SOLUTION					CONNECTION SIZE/TYPE		MAX FLUID TEMP.	SHIP WT.
	VOLTAGE	MOTOR TYPE	SHELL	HZ	AMPS*	BODY	IMPELLER	SHAFT	BEARINGS	O-RING	INLET	OUTLET	F°	
15651 073 S	12V-DC	Brushless	I.P. 30	-	1.5	Vectra®	Vectra®	Ceramic	Teflon®	Viton®	1/2" MHB	1/2" MHB	203	1 lbs.
15651 075 S	24V-DC	Brushless	I.P. 30	-	0.75	Vectra®	Vectra®	Ceramic	Teflon®	Viton®	1/2" MHB	1/2" MHB	203	1 lbs.
17651 079 S	12V-DC	Brushless	I.P. 30	-	1.5	Vectra®	Vectra®	Ceramic	Teflon®	Viton®	1/2" MHB	1/2" MHB	203	2 lbs.
17651 081 S	24V-DC	Brushless	I.P. 30	-	0.75	Vectra®	Vectra®	Ceramic	Teflon®	Viton®	1/2" MHB	1/2" MHB	203	2 lbs.
17651 551 S	115	1/60 HP SP	TENV	50/60	1	Noryl®	Vectra®	Ceramic	Teflon®	Viton®	1/2" MHB	1/2" MHB	203	3 lbs.
17651 553 S	230	1/60 HP SP	TENV	50/60	1	Noryl®	Vectra®	Ceramic	Teflon®	Viton®	1/2" MHB	1/2" MHB	203	3 lbs.
18650 051 S	115	1/12 HP SP	ODP	60	2.7	Polypropylene	Vectra®	Ceramic	Ceramic	Viton®	3/4" FPT	1/2" MPT	180	7 lbs.
18650 053 S	230	1/12 HP SP	ODP	50/60	1.4	Polypropylene	Vectra®	Ceramic	Ceramic	Viton®	3/4" FPT	1/2" MPT	180	7 lbs.
14520 051 S	115	1/5 HP PSP	TEFC	50/60	2.1	Ryton®	Ryton®	Ceramic	Carbon/Ceramic	Viton®	1" FPT	3/4" MPT	203	8 lbs.
14520 053 S	230	1/5 HP PSP	TEFC	50/60	1.1	Ryton®	Ryton®	Ceramic	Carbon/Ceramic	Viton®	1" MPT	3/4" FPT	203	8 lbs.

NOTE: .38 x .38 tubing.

- Viton® Elastomers
- Impellers in either Vectra® or Ryton® with Epoxy adhesive

- Maximum system pressure to 75 PSI
- TEFC, PSC, thermally protected 115V 50/60Hz motor
- Drip-proof, shaded pole 115V 50/60 Hz motor
- Maximum temperature 203° F



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