



500 SERIES Assemblies

Max Flow Rate: .95 GPM (3.6 LPM)

500-PHO: Pump Head Only

The 500-PHO is machined from an aluminum casting and has a stainless steel plate and shaft as well as stainless sleeved roller assembly. The pump is rugged, reliable, and easy-to-use. The 500-PHO is good choice for use from the laboratory to industrial applications such as paper & pulp, printing, metering, and fluid transfer.



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500-100: Standard Fixed-Speed Pump

The 500-100 is belt-driven pump assembly. The pump comes mounted on a steel base with a 1/4 HP, 115 VAC, 60 HZ, 1 PH, O.D.P. motor with a belt and sheave to reduce the speed to the pump head. This 500-100 is an excellent choice for fluid transfer applications where speed regulation is not required.

500-101: Zero-Max™ Speed Control Pump

The 500-101 is a direct drive unit with a manual speed control providing a speed regulation from 0-400 RPM. This assembly comes with a pump head, Zero-Max speed control, and a 1/4 HP, 115 VAC, 60 HZ, 1 PH, O.D.P. motor mounted on a steel base. The 500-101 provides a cost-effective substitute for AC or DC speed controls and is used for fluid transfer, metering, printing, and other industrial applications.

500-200: Explosion-Proof Fixed Speed Pump

The 500-200 is a belt-driven unit with a 1/3 HP, 1PH, 60/50 HZ, 115/208-230 Volt, Class I, Group D, gasoline vapor atmosphere explosion-proof motor. The pump and motor are mounted on a steel base and connected through a belt & sheave which runs at a constant 430 RPM. The 500-200 is an excellent choice for fluid transfer applications where explosive vapors are present.



500-201: Explosion-Proof Speed Control Pump

The 500-201 is a direct drive unit with a manual speed control providing a speed regulation from 0-400 RPM. This assembly comes with a pump head, Zero-Max speed control, and a 1/3 HP, 1 PH, 60/50 HZ, 115/208-230 Volt, Class I, Group D, gasoline vapor atmosphere explosion-proof motor mounted on a steel base. The 500-201 provides a cost-effective substitute for AC or DC speed controls and is used for fluid transfer, metering, printing, and other industrial applications.

500-332, 500-352, & 500-362: Vari-Flow™ DC Speed Control Pumps

The 500-332, 500-352, and 500-362 are DC speed control models. The pumps are mounted on a steel base and coupled to a 1/4 HP, geared, IPC-44, 130 VDC, PM motor. Each unit comes with a speed control in a Nema IV enclosure. The controls accept a 4-20 MA or 0-10 VDC signal and have forward/brake/reverse capability. Vari-Flow assemblies are used in applications where precise speed regulation is needed and with systems that require a remote signal for motor or flow control.

500-450: Air Drive Pump

The 500-450 is an assembly consisting of a air motor and pump mounted on a steel base. The air motor is intended for safe use in applications where there may be explosive vapors or powders present.

Tubing Sizes: The 500-PHO uses two interchangeable sizes of tubing: 3/16" I.D. x 3/8" O.D. or 1/4" I.D. x 7/16" O.D.

Industries: Paper & pulp, laboratory, sampling, bilge, ink, and fluid transfer.

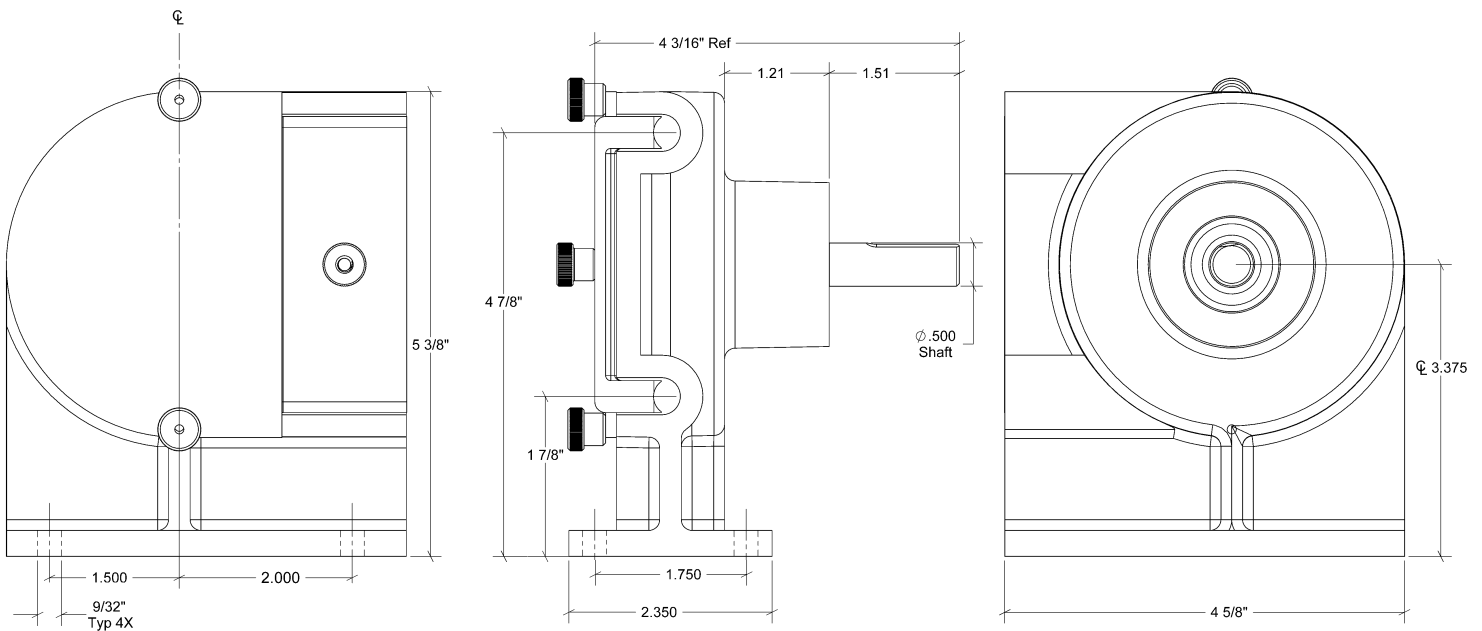
Custom assemblies are available upon request. For a quotation please contact our sales office.



500 SERIES Specifications

Catalog Part #	Description	Motor	Input Power	RPM	Wt	L x W x H
500-PHO	—	—	—	—	5 lbs	4 5/8" x 2 3/8" x 5 1/4"
500-100	Belt Drive, Standard Assembly	1/4 HP, O.D.P.	115 VAC, 1 PH, 60 HZ	430	27 lbs	16 1/2" x 10" x 8 13/16"
500-101	Speed Reducer, Mechanical	1/4 HP, O.D.P.	115 VAC, 1 PH, 60 HZ	0-400	35 lbs	22 x 9 1/2" x 7 7/8"
500-200	Belt Drive, Explosion-Proof	1/3 HP, Class I, Group D, gasoline vapor atmosphere	115/208-232 VAC, 1 PH, 50/60 HZ	430	66 lbs	16 1/2" x 10" x 8 13/16"
500-201	Speed Reducer, Mechanical, Explosion-Proof	1/3 HP, Class I, Group D, gasoline vapor atmosphere	115/208-232 VAC, 1 PH, 50/60 HZ	0-400	72 lbs	22 x 9 1/2" x 7 7/8"
500-332	DC Speed Control Assembly	1/4 HP, 130 VDC, PM, IPC-44	115/230 VAC, 1 PH, 50/60 HZ	3-125	34 lbs	20" x 15 1/2" x 8 1/2"
500-352	DC Speed Control Assembly	1/4 HP, 130 VDC, PM, IPC-44	115/230 VAC, 1 PH, 50/60 HZ	6-250	34 lbs	20" x 15 1/2" x 8 1/2"
500-362	DC Speed Control Assembly	1/4 HP, 130 VDC, PM, IPC-44	115/230 VAC, 1 PH, 50/60 HZ	12-500	34 lbs	20" x 15 1/2" x 8 1/2"
500-450	Air Motor	1/4 HP, 4 vane, Reversible 15:1 Geared motor	90 PSIG @ 21 CFM	20-500	20 lbs	16" x 9 1/2" x 10 7/8"

500 SERIES CAD Drawing



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