

Variable Speed Drive Proportional Pumps

This unit allows the user to change the output of the pump without having to stop and manually adjust the stroke length of the piston. The waterproof controller is NEMA 4x that comes standard with start / stop and speed dial to vary the output of the pump. Please note that this system requires single phase 110 / 230 volt electricity to operate. With optional signal isolator board; pump output can be set proportional to water flow.



Benefits

- Can follow several input signals including 4/20 mA
- NEMA 4X box
- DC motor handles slow RPM rate without motor failure
- Compatible with 3 Phase power by adding transformer

Features

- All wetted parts made of 316 Stainless Steel (other materials available please see the corrosive chemical section in the catalog for details)
- **Gear reducer:** heavy duty, double shafted (15:1 standard), call for other speeds
- **O-rings:** Viton(r), EPR, Aegis, and Kalrez(r) for all of your chemical handling needs
- **Vee-packing:** N-buna, Viton(r), Teflon(r) and special packing with a mixture of 2 styles.
- **Valves:** 316 stainless steel (Kynar(r), Polypropylene are available as well)
- **Ball Checks:** 316 stainless steel (Ceramic and Teflon(r) are available as well)
- **Springs:** 316 stainless steel (Hastelloy C available on certain models)

Outputs (gallons per hour) by Model

Model	Min Output Simplex	Max Output Simplex	Min Output Duplex	Min Output Duplex
I-70 - .25	.20	2.0	.40	4
I-70 - .375	.45	4.5	.90	9
I-70 - .50	.80	8.0	1.6	16
I-70 - .675	1.25	12.5	3.5	25
I-70 - .75	1.80	18	3.6	36
HVI - 88	3	30	6	60
HVI - 82	5.7	57	11.4	114
IOM - 96	7.6	76	15.2	152
IOM - 96 - B	10	100	20	200