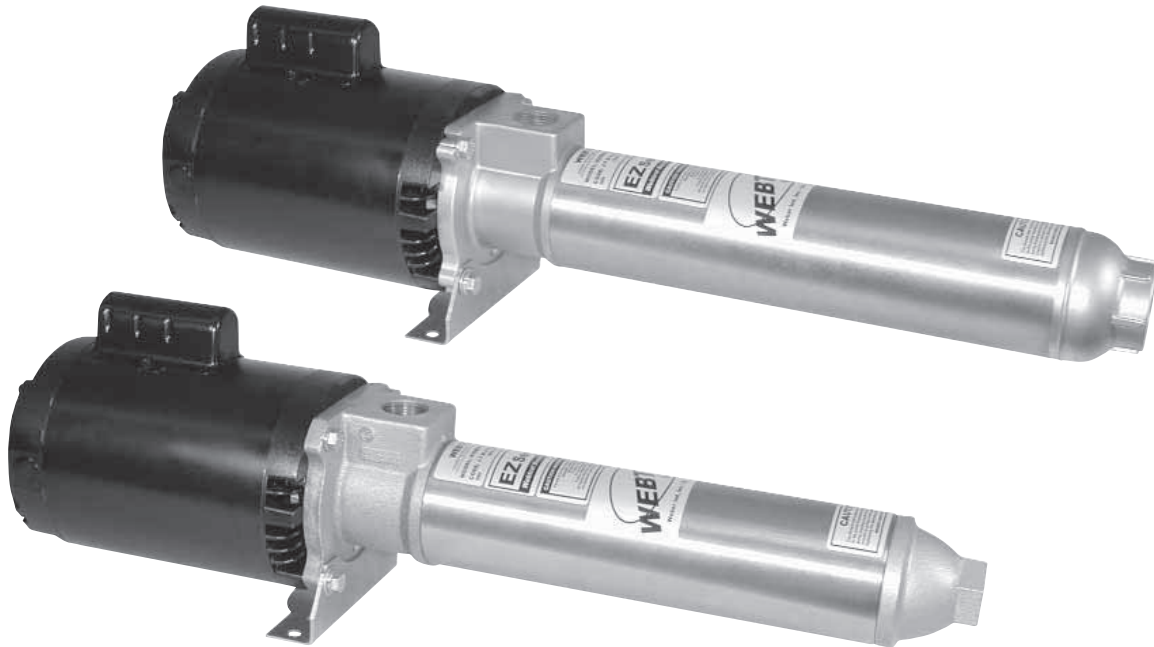


AQUARIUS™

EZ SERIES BOOSTER PUMPS

Cast Iron And Stainless Steel Booster Pumps



Webtrol has been building Booster Pumps for over 40 years for various industrial, commercial and agricultural uses and has long been a leader in the Reverse Osmosis and Deionization Industry.

Webtrol's commitment to quality is defined in the construction of each Booster Pump, through use of only quality materials and precision machining by journeyman machinists. Every pump is hand assembled and checked during each step, up to the final test, where each pump is checked for flow, pressure, power consumption, leaks, vibration and noise.

Features And Benefits

- Available in both Stainless Steel and Cast Iron fitted models.
- Heavy duty stainless steel hex shaft with stainless steel coupling.
- High strength, glass filled Delrin, polycarbonate or Noryl impellers, precision machined for dimensional stability and efficiency.
- Injection molded polycarbonate or Noryl diffusers with molded in stainless steel wear rings at all critical wear points.
- Heavy wall stainless steel pump housing

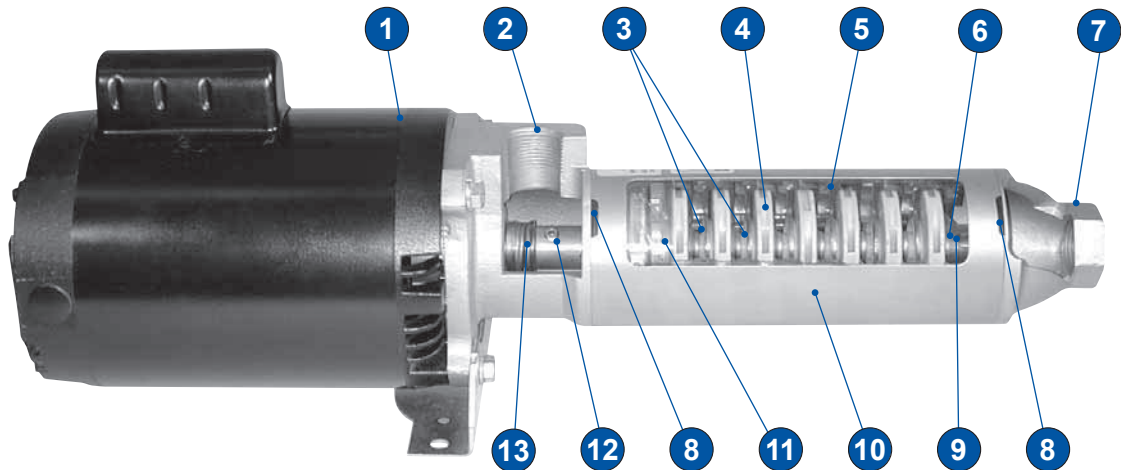
Specifications

Webtrol EZ Series Booster Pumps are available from 5 to 35 Gallons Per Minute. Pressures to 500 PSI

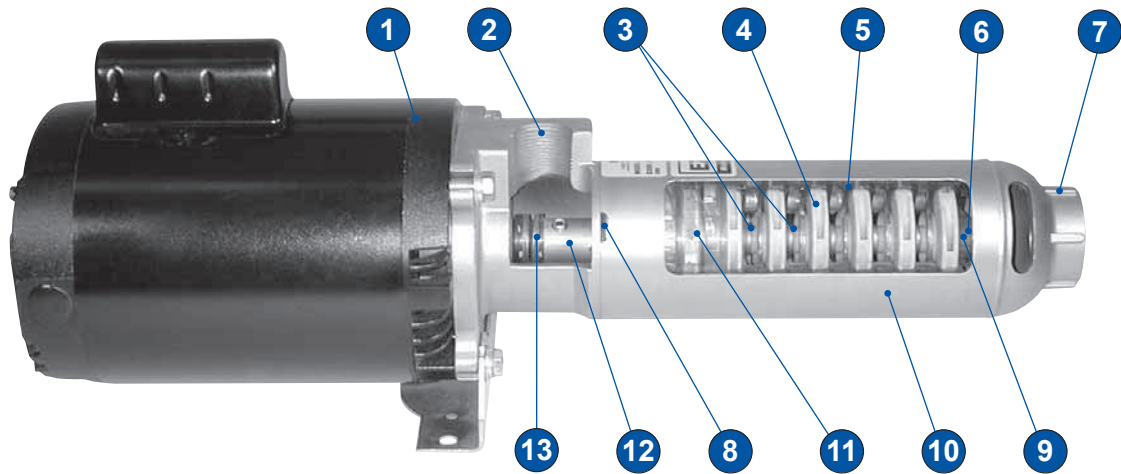
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EZ SERIES BOOSTER PUMPS

Construction And Design Features



Cast Iron EZ Series



Stainless Steel EZ Series

CONSTRUCTION MATERIALS

Part	Cast Iron	316SS
Inlet / Motor Bracket	Cast Iron	316SS
Discharge Housing	Cast Iron	316SS
Pump Housing	304SS	316SS
Impellers	Thermoplastic	Thermoplastic
Diffusers	Thermoplastic	Thermoplastic
Wear Rings	302SS	316SS
Shaft & Coupling	416SS	316SS
Mechanical Seal	Carbon/Ceramic	Carbon/Ceramic
O-Rings	Buna-N	Viton

Inlet And Discharge Size

Part	Series (GPM)	Size (FNPT)
Inlet / Discharge	5, 10, 15	1"
Inlet / Discharge	20, 35	1 1/2"

EZ SERIES BOOSTER PUMPS

Construction And Design Features

- 1 Motor**

The motor is a "C" face, 3450 RPM, 50 or 60 cycle, single or three phase, open drip proof (TEFC available) with long life thrust bearings, sized to support the thrust loads generated by the pump. Motors through 3 HP are Nema Standard 56J frame with a threaded shaft and greased for life ball bearings. 5 HP motors are foot mounted 184CZY frame with a keyed shaft and greasable high thrust angular contact bearings.
- 2 Inlet / Motor Bracket**

The inlet / motor bracket is cast iron or investment cast stainless steel depending on the type of construction you choose. All inlet connections are female NPT.
- 3 Diffuser Wear Rings**

Stainless steel wear rings are molded into each diffuser at all critical wear points, maintaining tight clearances for high efficiencies.
- 4 Impellers**

High strength glass filled Delrin or polycarbonate thermoplastic impellers provide pulse free pressure boost. All impellers are injection molded and machined to insure dimensional accuracy and balance. Noryl impellers are available upon request.
- 5 Diffusers**

High strength polycarbonate diffusers are injection molded, concentrically aligned, providing perfectly aligned, clean, smooth water passages for higher efficiencies. Noryl diffusers are available upon request.
- 6 Shaft**

Stainless steel hex shaft is cold drawn to exacting tolerances, to eliminate shaft run out for vibration free operation.
- 7 Discharge**

The discharge is cast iron or investment cast stainless steel depending on the type of construction you choose. All discharge connections are female NPT.
- 8 O-Rings**

Positive sealing "Buna N" o-rings are used to seal off both ends of the pump housing on cast iron models. A Viton o-ring is used to seal the inlet side of the pump housing on stainless steel models.
- 9 Shaft Sleeve Running Bearing**

316 Stainless steel running bearing is water lubricated and cooled. The shaft sleeve runs inside of either a "Rulon" (stainless steel models) or brass (cast iron models), sleeve bearing, that has been molded into the top diffuser for greater efficiency. Each bearing is machined to precision tolerances and concentricity. Intermediate bearings are used on pumps that may require additional support.
- 10 Pump Housing**

Thick wall stainless steel tubing is used on all models. Cast iron models are threaded on both ends. Stainless steel models are threaded on the inlet side with a discharge that has been machine welded to the tube on the other end.
- 11 Rotating Assembly**

The entire rotating assembly, consisting of impellers, diffusers, top and bottom plates, bearings, shaft and coupling, is easily field replaceable.
- 12 Coupling**

Stainless steel coupling has interference fit onto the pump shaft and pinned to lock in place. Depending on the motor frame size, the coupling either screws onto the motor shaft or slips onto the motor shaft and is keyed in place. Set screws lock the coupling to the motor shaft.
- 13 Mechanical Seal**

The spring loaded, positive sealing, mechanical seal has a ceramic stationary face and a carbon rotating face. Metal components on the rotating half are stainless steel and the elastomers are Buna N (Nitrile) on cast iron models and Viton on stainless steel models. The standard seal will handle inlet pressures up to 100 PSI, while an optional seal is available for pressures up to 250 PSI.