

## Pressure Booster Pumps

**Pressure Booster Pumps** for a wide variety of pumping applications. Ideal for increasing rinse water pressure, liquid transfer, spot-free water re-pressurization, lawn sprinkler and many others. Standard construction is Stainless Steel or Cast Iron. (Not self-priming). Maximum temperature is 160° F. - water only.

### APPLICATION FOR:

- Residential, commercial or agricultural pressure wash
- Reverse osmosis
- Evaporative cooling systems/misters
- Booster service
- Spray systems
- Water circulation
- Filtration
- HVAC
- General purpose pumping



Motors are 60HZ, 3500 RPM, TEFC, and are available in either single phase, 115/230 volt or three phase, 208/230/460 volt. (3 Phase motors are TEFC premium efficiency).

**Cast Iron Pumps** feature cast iron inlet and discharge fittings and 304SS stainless pump shell. Mechanical seal and BUNA elastomers are standard.

**Stainless Steel** pumps feature 304SS stainless steel inlet and discharge fittings and pump shell. Mechanical seal and Viton® elastomers are standard.

Part No.	Castings	Motor	Ports	*Flow Rate	Wt.
GL 7GBC1014R0	Cast Iron	1hp, 1ph	1" FPT	5 GPM @ 180 PSI	65 lbs.
GL 7GBS1014R4	Stainless	1hp, 1ph	1" FPT	5 GPM @ 180 PSI	65 lbs.
GL 10GBC1514Q0	Cast Iron	1.5hp, 1ph	1" FPT	8 GPM @ 180 PSI	56 lbs.
GL 10GBS1514Q4	Stainless	1.5hp, 1ph	1" FPT	8 GPM @ 180 PSI	56 lbs.
GL 10GBC2014S0	Cast Iron	2hp, 1ph	1" FPT	12 GPM @ 180 PSI	73 lbs.
GL 10GBS2014S4	Stainless	2hp, 1ph	1" FPT	12 GPM @ 180 PSI	73 lbs.
GL 10GBC2017S0	Cast Iron	2hp, 3ph	1" FPT	12 GPM @ 180 PSI	64 lbs.
GL 10GBS2017S4	Stainless	2hp, 3ph	1" FPT	12 GPM @ 180 PSI	64 lbs.
GL 18GBC2014N0	Cast Iron	2hp, 1ph	1" FPT	15 GPM @ 150 PSI	73 lbs.
GL 18GBS2014N4	Stainless	2hp, 1ph	1" FPT	15 GPM @ 150 PSI	73 lbs.
GL 18GBC2017N0	Cast Iron	2hp, 3ph	1" FPT	15 GPM @ 150 PSI	64 lbs.
GL 18GBS2017N4	Stainless	2hp, 3ph	1" FPT	15 GPM @ 150 PSI	64 lbs.
GL 18GBC3014Q0	Cast Iron	3hp, 1ph	1" FPT	22 GPM @ 130 PSI	77 lbs.
GL 18GBS3014Q4	Stainless	3hp, 1ph	1" FPT	22 GPM @ 130 PSI	77 lbs.
GL 18GBC3017Q0	Cast Iron	3hp, 3ph	1" FPT	22 GPM @ 130 PSI	65 lbs.
GL 18GBS3017Q4	Stainless	3hp, 3ph	1" FPT	22 GPM @ 130 PSI	73 lbs.
GL 45HB25013	↑ Cast Iron	5hp, 1ph	2" FPT	30 GPM @ 115 PSI	147 lbs.
GL 45HB25035	Cast Iron	5hp, 3ph	2" FPT	30 GPM @ 115 PSI	99 lbs.
GL 45HB27535	Cast Iron	7.5hp, 3ph	2" FPT	50 GPM @ 125 PSI	150 lbs.
GL 45HB21135	Cast Iron	10hp, 3ph	2" FPT	60 GPM @ 125 PSI	190 lbs.

\*Flow rates can be increased if discharge pressure is decreased. Pump curves available on request. † 208/230 V.



## Booster Pumps

**Sta-Rite HP and HPS Pressure Booster Pumps** are ideal for increasing city water pressures or tank water supplies to higher pressure requirements. (pressures to 315 PSI are available).

Common applications are Spot-Free rinse transfer, Reverse osmosis production, General purpose pumping, Car and Truck Wash, HVAC, Washdown and more.

**HP Series Pumps** have cast iron inlet and discharge fittings. HPS series have stainless steel inlet and discharge.

All models feature 304SS pump shell and shafts, acetal impellers, polycarbonate diffusers, Buna-N O-rings, Carbon/Ceramic Buna-N seals.

Maximum inlet pressure is 80 PSI. Suction lifts to 15'.

Maximum temperature is 145° F.

All motors are standard ODP but TEFC are available. Single phase motors from 1/2 HP to 1-1/2HP motors are 115/230

volt, Three phase are 208/230/460 volt.

2 HP and 3 HP motors are 230 volt single phase or

208/230/460 volt three phase. All models are UL and CSA rated.

\* Pressure/Flow ratings shown are in addition to incoming water pressures up to 80 PSI. Example: 40 PSI city water pressure with 180 PSI booster pressure equals 220 PSI discharge pressure.

### Cast Iron Pumps

Part No.	Ports	* Flow Rate	Motor	Wt.
SA HP7C	3/4" Cast Iron	7 GPM @ 100 PSI	1/2 HP / 1 Phase	46 lbs.
SA HP7E	3/4" Cast Iron	7 GPM @ 175 PSI	1 HP / 1 Phase	51 lbs.
SA HP10D	3/4" Cast Iron	9 GPM @ 100 PSI	3/4 HP / 1 Phase	46 lbs.
SA HP10E	3/4" Cast Iron	10 GPM @ 125 PSI	1 HP / 1 Phase	50 lbs.
SA HP10FMS	3/4" Cast Iron	10 GPM @ 175 PSI	1-1/2 HP / 1 Phase	58 lbs.
SA HP10G	3/4" Cast Iron	12 GPM @ 165 PSI	2 HP / 1 Phase	63 lbs.
SA HP10G3	3/4" Cast Iron	12 GPM @ 165 PSI	2 HP / 3 Phase	59 lbs.
SA HP20E	1" Cast Iron	13 GPM @ 100 PSI	1 HP / 1 Phase	49 lbs.
SA HP20F	1" Cast Iron	15 GPM @ 120 PSI	1-1/2 HP / 1 Phase	58 lbs.
SA HP20G	1" Cast Iron	15 GPM @ 165 PSI	2 HP / 1 Phase	62 lbs.
SA HP20G3	1" Cast Iron	15 GPM @ 165 PSI	2 HP / 3 Phase	58 lbs.
SA HP20H	1" Cast Iron	22 GPM @ 185 PSI	3 HP / 1 Phase	65 lbs.
SA HP20H3	1" Cast Iron	22 GPM @ 185 PSI	3 HP / 3 Phase	62 lbs.
SA HP30H	1-1/4" Cast Iron	27 GPM @ 135 PSI	3 HP / 1 Phase	65 lbs.
SA HP30H3	1-1/4" Cast Iron	27 GPM @ 135 PSI	3 HP / 3 Phase	62 lbs.

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### Stainless Steel Pumps

Part No.	Ports	* Flow Rate	Motor	Wt.
SA HPS7C	3/4" Stainless	7 GPM @ 100 PSI	1/2HP / 1 Phase	51 lbs.
SA HPS10FMS	3/4" Stainless	10 GPM @ 175 PSI	1-1/2HP / 1 Phase	58 lbs.
SA HPS10D	3/4" Stainless	9 GPM @ 100 PSI	3/4HP / 1 Phase	46 lbs.
SA HPS10E	3/4" Stainless	10 GPM @ 125 PSI	1 HP / 1 Phase	50 lbs.
SA HPS10GMS	3/4" Stainless	12 GPM @ 165 PSI	2 HP / 1 Phase	63 lbs.
SA HPS10G3	3/4" Stainless	12 GPM @ 165 PSI	2 HP / 3 Phase	59 lbs.
SA HPS20GMS	1" Stainless	15 GPM @ 165 PSI	2 HP / 1 Phase	63 lbs.
SA HPS20G3	1" Stainless	15 GPM @ 165 PSI	2 HP / 3 Phase	58 lbs.
SA HPS20H	1" Stainless	22 GPM @ 185 PSI	3 HP / 1 Phase	65 lbs.
SA HPS20H3	1" Stainless	22 GPM @ 185 PSI	3 HP / 3 Phase	62 lbs.
SA HPS30H	1-1/4" Stainless	27 GPM @ 135 PSI	3 HP / 1 Phase	65 lbs.
SA HPS30H3	1-1/4" Stainless	27 GPM @ 135 PSI	3 HP / 3 Phase	62 lbs.

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## Booster Pumps

**Pressure Booster Pumps** from Flint & Walling. Ideal for increasing water pressure from city mains or private water systems. Also a good choice for reverse osmosis systems, spray or misting units, water circulation and general purpose pumping. Available in cast iron, powder-coated cast iron and stainless steel construction. Motors are 1 Phase or 3 Phase, ODP/60Hz. (50Hz and TEFC motors also available). Cast iron pumps feature Buna shaft seals. Stainless pumps have Viton® seals. Noryl impellers and diffusers are standard on all models. Single phase is 1/2 to 2 HP, 115/230V and 3 HP is 230 volt. Three phase is 1/2 to 3 HP, 208/230/460V. Rated to 140° F.



Part No.	Material	Motor	FPT Ports	* Flow Rate	Wt. Lbs.
FW PB0512C051	Powder Cast	1/2 hp, 1 ph	3/4"	4 GPM @ 100 PSI	39
FW PB0512S051	Stainless	1/2 hp, 1 ph	3/4"	4 GPM @ 100 PSI	39
FW PB0516C071	Powder Cast	3/4 hp, 1 ph	3/4"	4.6 GPM @ 140 PSI	44
FW PB0516S071	Stainless	3/4 hp, 1 ph	3/4"	4.6 GPM @ 140 PSI	44
FW PB1014A101	Cast Iron	1 hp, 1 ph	3/4"	6 GPM @ 160 PSI	48
FW PB1014C101	Powder Cast	1 hp, 1 ph	3/4"	6 GPM @ 160 PSI	48
FW PB1014S101	Stainless	1 hp, 1 ph	3/4"	6 GPM @ 160 PSI	48
FW PB1016A151	Cast Iron	1-1/2 hp, 1 ph	3/4"	8 GPM @ 160 PSI	53
FW PB1016C151	Powder Cast	1-1/2 hp, 1 ph	3/4"	8 GPM @ 160 PSI	53
FW PB1016S151	Stainless	1-1/2 hp, 1 ph	3/4"	8 GPM @ 160 PSI	53
FW PB2711C201	Powder Cast	2 hp, 1 ph	1"	13 GPM @ 140 PSI	56
FW PB2711C203	Powder Cast	2 hp, 3 ph	1"	13 GPM @ 140 PSI	56
FW PB2711S201	Stainless	2 hp, 1 ph	1"	13 GPM @ 140 PSI	56
FW PB2711S203	Stainless	2 hp, 3 ph	1"	13 GPM @ 140 PSI	56
FW PB2714A301	Cast Iron	3 hp, 1 ph	1"	19 GPM @ 160 PSI	57
FW PB2714A303	Cast Iron	3 hp, 3 ph	1"	19 GPM @ 160 PSI	56
FW PB2714S301	Stainless	3 hp, 1 ph	1"	19 GPM @ 160 PSI	57
FW PB2714S303	Stainless	3 hp, 3 ph	1"	19 GPM @ 160 PSI	56
FW PB2717S303A	Stainless	3 hp, 3 ph	1"	20 GPM @ 180 PSI	60

\* Add pressure rates to incoming water pressure for total output pressure, I.E. if incoming pressure is 50 PSI, PB0516 Series will deliver 190 PSI output.

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