

# Plumbing

**C**ontinuous pressure is not just a convenience, it is a safety requirement. The problem with most pump systems installed today is the lack of customization available from the manufacturer for the project. Here at SyncroFlo, we have 5 specially designed product lines innovated to fit your exact needs. We select the right pump for your pressure, flow, and business needs. We tailor each project for the customer and SyncroFlo accepts complete responsibility for every booster system component.

In a typical plumbing system, it's almost impossible to test the capabilities of the pump system on-site. Every SyncroFlo booster system and its component parts have gone through a complete electric and hydraulic test. Testing includes a flow test from zero to 100% design flow rate under specified suction and net delivery pressure conditions. This is beyond the industry standard hydrostatic (pressure-only) test. Your only surprise will be how smoothly the startup went.



## IronHeart

Since 1985, IronHeart has been the industry standard domestic water booster pump for commercial buildings up to 10 stories tall. With over 200 models, in both vertical and horizontal configurations, the IronHeart fits most engineering requirements for a domestic water boosters used in a typical commercial building.

### Standard Features Include:

- End-Suction Pumps (Optional 316ss Pumps)
- ASME HydroCumulator Tank
- Pressure, Flow, Horse Power Sequencing
- Horizontal and Vertical Configurations
- Factory Performance Test (at Design Point)
- OSHA Compliance certified by UL & ETL
- Flanged Stainless Steel Header Construction
- NSF Certified Option
- VFD With Color Touchscreen Option

## Iron Heart Lite

IronHeart Lite fills the void between residential duty booster pump packages and heavy-duty commercial/industrial products.

### Standard Features Include:

- For Flows Between 10 and 100 gpm
- Pressure Boost to 40 psid
- System Bressure to 125 psig
- Simplex and Duplex Packages Available
- Close-coupled End Suction Pumps
- Energy storage tanks using the DuoPhase concept
- VFD and PRV pressure control options

## Vertical Turbine Booster

A DuoPhase or Standard VT system uses vertical turbine pumps for superior efficiency, pressure control, system life, and reliability.

### Standard Features Include:

- 100 – 200 psi Boost
- Up to 300 psi Discharge Pressure
- Up to 2000 gpm Total System Flow
- Column-mounted Over Storage Tanks or
- Barrel-mounted if Positive Suction Pressure Exists
- NSF 61 Annex G Option
- VFD or Constant Speed

## End Suction Booster

EconoPhase and ES systems use end-suction pumps like the IronHeart, but with more options.

### Standard Features Include:

- Up to 100 psi Boost
- Up to 2000 gpm Total Flow
- Positive Suction Required
- NSF 61 Annex G Option
- VFD or Constant Speed

## VMS Water Booster

VMS systems are for use primarily in areas that need pressure requirements beyond the upper limits of the IronHeart family. VMS Systems uses vertical multistage pumps with formed stainless impellers.

### Standard Features Include:

- 100 – 200 psi Boost
- Up to 300 psi Discharge Pressure
- Up to 1000 gpm Total System Flow
- Positive Suction Pressure Required or
- Submersible Pump Installed In-storage Tank
- NSF 61 Annex G Option
- VFD or Constant Speed
- Submersible VMS Water Booster

## CondoFlo

The CondoFlo Booster Pump is designed for houses and condominiums of 1 to 4 unit size.

### Standard Features Include:

- Up to 20 psi Boost
- Up to 50 psi Discharge Pressure
- 3/4 HP Close-coupled Pump and Motor
- Stainless Steel Pump Construction, Not Plastic
- Mechanical Seal—no Dripping Packing to Maintain
- Built-in Overload Protection
- 115/230V, Single Phase, 60Hz, Power
- 125° F Maximum Water Temperature



CERTIFIED  
NSF 61  
COMPLIANT

ISO 9001-2008  
CERTIFIED