City Pressure Boosting Systems
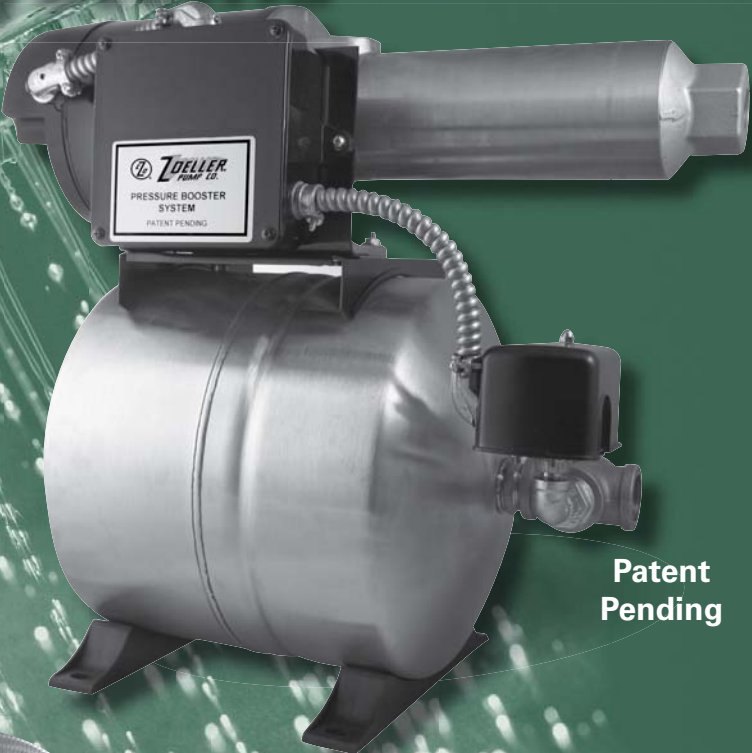
Patent Pending

Boosting your city water pressure made easy . . .

Zoeller Pressure Booster Systems are designed to increase household water pressure when city water pressure is a problem. These pre-packaged pressure systems are ideal for single or multi-family dwellings. The systems are used in applications from 1 GPM to 20 GPM ranging in water pressure boosts up to 70 PSI. In addition to increased water pressures, the patented controller allows the system to deliver constant pressure at any given flow rate.

VESI™ Custom Shower System.
Photo courtesy Delta Faucet Company
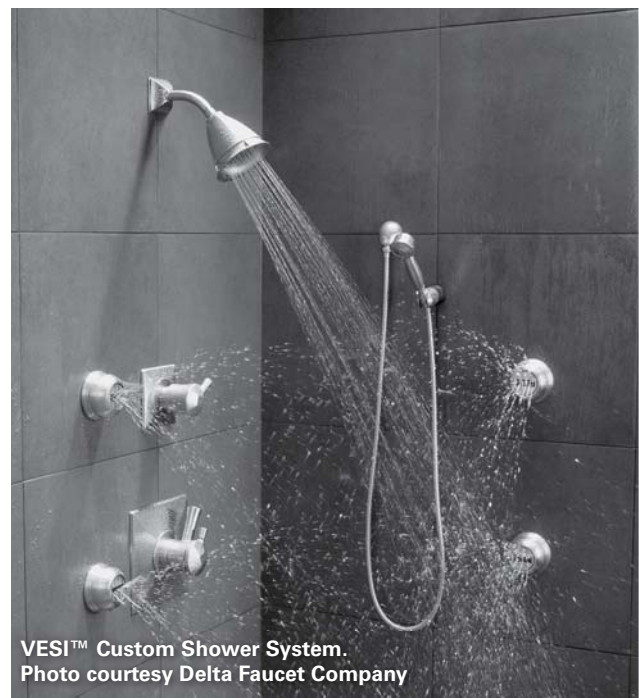
More Water — More Pressure — When You Need It!

The Zoeller systems are installed in tandem with your municipal water lines. The system will not interfere with your normal city water flow unless needed, virtually eliminating the up and down water pressure fluctuations experienced in many other tank systems plumbed in line. In fact, the system starts only once and runs continuously as long as the water flow rate is 1 GPM or more. The pressure switch is used only to automatically turn the system on and as a safety precaution to shut the system off if water pressures get too high. The tank helps prevent water hammer and is used as a safety reservoir to prevent nuisance cycling, i.e. leaky faucet or getting a single glass of water.
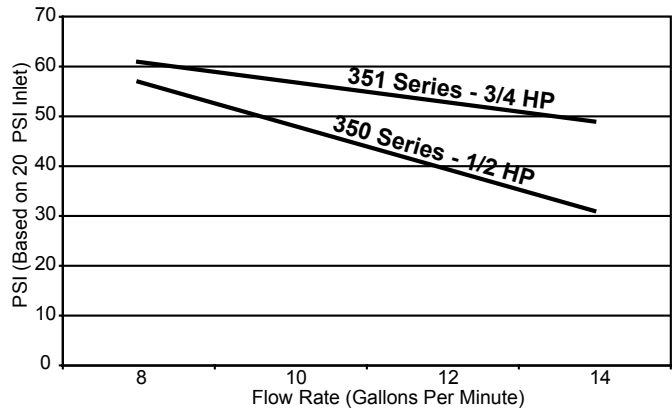
MODEL 350* 1/2 HP
City-Might System

MODEL 351* 3/4 HP
City-Might System

POWDER
COATED
TOUGH™

Pre-assembled for easy installation

* For stainless steel tank, as shown order models 350-0006 or 351-0006.
  For painted tank, order models 350-0005 or 351-0005.

Flow Rate (Gallons Per Minute) — 351 Series - 3/4 HP / 350 Series - 1/2 HP

MODEL	INCOMING WATER PRESSURE	PRESSURE WITH CITY-MIGHT	TOTAL INCREASED PRESSURE	GALLONS PER MINUTE	ENERGY CONSUMPTION
1/2 HP	20 PSI	57 PSI	37 PSI	8 GPM	8.6 AMPS
3/4 HP	20 PSI	55 PSI	35 PSI	12 GPM	13 AMPS

MODEL	1/2 HP	3/4 HP
TANK SIZE	20 GAL	20 GAL
DIMENSIONS:		
LENGTH	20"	21"
WIDTH	12"	12"
HEIGHT	22"	22"
PUMP INLET	3/4"	1"
PUMP OUTLET	3/4"	3/4"
BOOST MAX. PRESS. (PSIG)	37	42
PRESSURE SW. SETTING (PSIG)	48-68 ADJUSTABLE	48-68 ADJUSTABLE
MOTOR SIZE	1/2 HP	3/4 HP
TANK PRECHARGE	46 PSIG	46 PSIG
MIN. INLET GPM REQUIRED @ 10 PSIG.	10 GPM	15 GPM
MAX. CUT OUT PRESSURE	68-70 ADJUSTABLE	68-70 ADJUSTABLE
MOTOR VOLTAGE	115	115
ALL PRESS SW. SETTINGS ADJUSTABLE TO A MIN. 20-40 & MAX 50-70		

MODEL 352* 1/2 HP City-Mate System
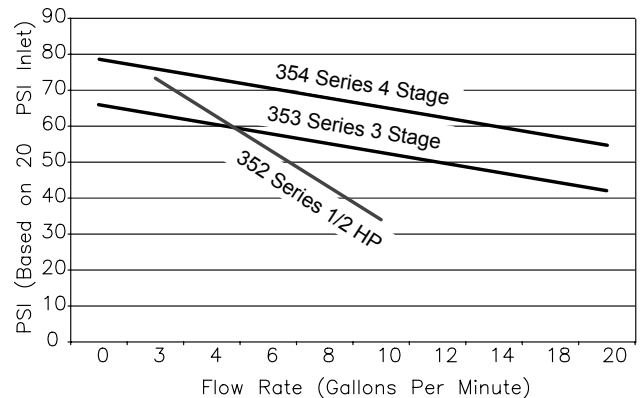# MODEL 353* 3 Stage City-Pro System
MODEL 354* 4 Stage City-Pro System

304 Stainless Steel

Model 353 shown

	1/2 HP	3 Stage	4 Stage
TANK SIZE	20 GAL	20 GAL	20 GAL
DIMENSIONS:			
LENGTH	21"	23 1/2"	25"
WIDTH	14"	12"	12"
HEIGHT	23"	20"	20"
PUMP INLET	3/4"	1"	1 1/4"
PUMP OUTLET	3/4"	1"	1"
BOOST MAX. PRESS. (PSIG)	45	41	54
PRESSURE SW. SETTING (PSIG)	40-60 Adjustable	48-68 Adjustable	48-68 Adjustable
MOTOR SIZE	1/2 HP	1/2 HP	3/4 HP
TANK PRECHARGE	38 PSIG	46 PSIG	46 PSIG
MIN. INLET GPM REQUIRED @ 10 PSIG.	10 GPM	15 GPM	20 GPM
MAX. CUT OUT PRESSURE	60-62 Adjustable	68-70	68-70
MOTOR VOLTAGE	115	115	115
ALL PRESS SW. SETTINGS ADJUSTABLE TO A MIN. 20-40 & MAX 50-70			

MODEL	INCOMING WATER PRESSURE	PRESSURE WITH CITY-PRO	TOTAL INCREASED PRESSURE	GALLONS PER MINUTE	ENERGY CONSUMPTION
1/2 HP	20 PSI	43 PSI	23 PSI	8 GPM	8.5 AMPS
3 Stage	20 PSI	50 PSI	30 PSI	12 GPM	13 AMPS
4 Stage	20 PSI	55 PSI	35 PSI	20 GPM	14 AMPS

Flow Rate (Gallons Per Minute) — 354 Series 4 Stage / 353 Series 3 Stage / 352 Series 1/2 HP
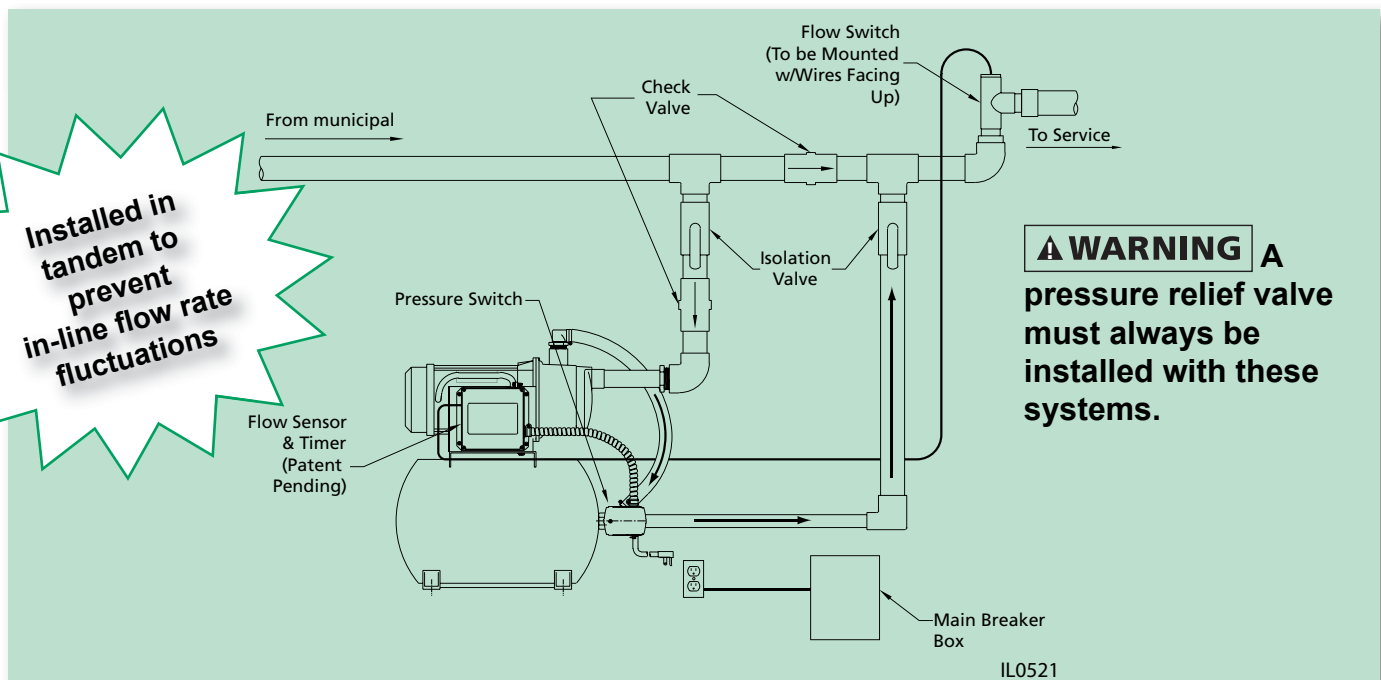
* For stainless steel tank, as shown order models 352-0006, 353-0006 or 354-0006.
  For painted tank, order models 352-0005 or 353-0005 or 354-0005.

High Performance City Booster Systems . . .

The patent pending controller, flow sensor and pressure switch continuously monitor water flow and pressure. This system saves energy consumption by automatically shutting the unit off if added pressure is no longer required. The control package also protects plumbing from excessively high water pressures, automatically turning the system off if water pressure exceeds 70 psi. It also protects against dry-run conditions, shutting the system down in 30 seconds if no water flow is detected.

TYPICAL INSTALLATION

Installed in tandem to prevent in-line flow rate fluctuations

Flow Switch (To be Mounted w/Wires Facing Up)

Check Valve

From municipal

To Service

Isolation Valve

Pressure Switch

⚠ WARNING A **pressure relief valve must always be installed with these systems.**

Flow Sensor & Timer (Patent Pending)

Main Breaker Box

IL0521

These systems are capable of delivering up to 70 psi to the house - a pressure relief valve must always be installed with these city booster systems. Factory settings are for a water main pressure of 20 psi. Minimum inlet flow pressure is 10 psi. Systems include painted steel or stainless steel tanks with a 100% butyl diaphragm for proven water quality protection and long term resistance to corrosion. The pump must be wired on a separate 15 amp (115 volt) circuit. These systems are designed for cold water use only.

"Quality Pumps Since 1939"

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.