

# City Pressure Boosting Systems

by  **FLINT & WALLING, INC.**

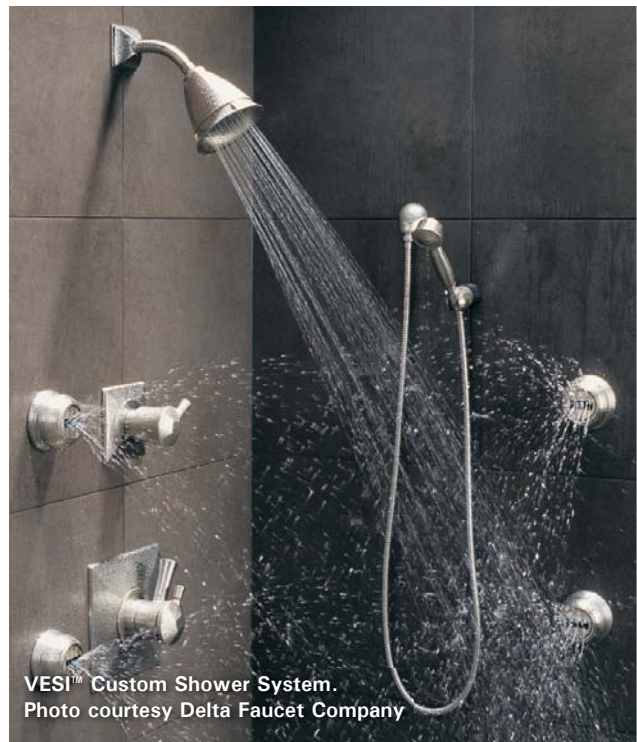


*M*oving water ...  
*O*ne customer at a time.

# Boosting your city water pressure to meet today's lifestyles has never been easier

As a homeowner, you no longer have to accept inadequate water pressure or water pressure decreases when using multiple outlets. Inadequate water pressure negatively affects every water outlet in the home, including showers, baths, faucets, dishwashers, washing machines, toilets, sprinkler systems, and water filtration. When city water pressure is a problem, trust the solution to Flint & Walling, a company who has been in the water business since 1866.

These quiet and innovative pre-packaged pressure booster systems are ideal for single or multi-family households. 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.



## ***More Water – More Pressure – When You Need It!***

Unlike many other systems, the F&W 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, as an added safety precaution, automatically shuts the system off if water pressure gets too high. The all steel tank helps prevent water hammer and is used as a safety reservoir to prevent inefficient nuisance cycling (such as a leaky faucet or getting a single glass of water) protecting the motor from unnecessary "wear and tear". The systems also include automatic thermal overload protection.



## FCP108S City-Mate System



TANK MATERIAL TYPE		HP	INCOMING GALLONS PER MINUTE	INCOMING WATER PRESSURE - PSI					MAX. CUT OUT PSI
PAINTED STEEL	STAINLESS STEEL			10	20	30	40	50	
MODEL NO.	MODEL NO.	TOTAL SYSTEM PRESSURE (PSI) DELIVERED					70 PSI		
FCP108	FCP108S	1	70	70	70	70		70	
		3	58	65	70	70		70	
		6	41	50	60	70		70	
		10		37	46	57		70	
		12		32	41	51		63	
		0							

CITY-MATE	
TANK SIZE	20 GAL
DIMENSIONS:	
LENGTH	21"
WIDTH	14"
HEIGHT	23"
PUMP INLET	3/4"
PUMP OUTLET	3/4"
TANK PRECHARGE	38 PSIG
MIN. INLET REQUIRED	3/4" PIPE
MIN. INLET PRESSURE	10 PSIG
MOTOR VOLTAGE	115

Pre-assembled for easy installation. For painted tank option, order Model FCP108

## FCP208S\* 1/2 HP City-Might System FCP212S\* 3/4 HP City-Might System



TANK MATERIAL TYPE		HP	INCOMING GALLONS PER MINUTE	INCOMING WATER PRESSURE - PSI					MAX. CUT OUT PSI
PAINTED STEEL	STAINLESS STEEL			10	20	30	40	50	
MODEL NO.	MODEL NO.	TOTAL SYSTEM PRESSURE (PSI) DELIVERED					90 PSI		
FCP208	FCP208S	1/2	0	48	58	69		78	89
		1	43	53	62	73		84	
		3	37	49	59	68		81	
		6	35	47	56	64		76	
		10	31	43	53	61		70	
		12	28	41	49	58		67	
		15	23	36	45	54		61	
		18		31	42	47		54	
		20		26	34	43		51	
		FCP212	FCP212S	3/4	0	54	62	73	83
1	49			59	67	78	88		
3	44			53	63	75	85		
6	42			49	61	71	80		
10	37			47	61	68	77		
12	37			43	56	65	74		
15	33			38	52	60	68		
18				33	46	55	63		
20					43	53	61		

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"
TANK PRECHARGE	46 PSIG	46 PSIG
MIN. INLET REQUIRED	3/4" PIPE	1" PIPE
MIN. INLET PRESSURE	10 PSIG	10 PSIG
MOTOR VOLTAGE	115	115

Pre-assembled for easy installation  
\*Stainless steel tank, as shown.  
For painted tank option, order models FCP208 or FCP212

## FCP3208S\* 2 Stage City-Pro System FCP3312S\* 3 Stage City-Pro System



TANK MATERIAL TYPE		HP	INCOMING GALLONS PER MINUTE	INCOMING WATER PRESSURE - PSI					MAX. CUT OUT PSI
PAINTED STEEL	STAINLESS STEEL			10	20	30	40	50	
MODEL NO.	MODEL NO.	TOTAL SYSTEM PRESSURE (PSI) DELIVERED					90		
FCP3208	FCP3208S	1/3	0	38	48	59		69	79
		1	34	44	57	66		77	
		3	32	43	55	65		75	
		6	30	40	52	61		71	
		10	25	35	46	55		64	
		12	26	32	43	52		60	
		15	16	26	36	45		52	
		18		19	28	38		42	
		20			13	22		30	35
		FCP3312	FCP3312S	1/2	0	53	63	73	83
1	47			57	68	77	87		
3	43			54	66	73	85		
6	41			53	61	71	82		
10	39			51	59	70	76		
12	38			47	56	68	75		
15	34			43	52	64	71		
18	22			39	50	58	65		
20				37	45	54	61		

	2 Stage	3 Stage
TANK SIZE	20 GAL	20 GAL
DIMENSIONS:		
LENGTH	22	23 1/2
WIDTH	12"	12"
HEIGHT	20"	20"
PUMP INLET	3/4"	1"
PUMP OUTLET	3/4"	1"
TANK PRECHARGE	46 PSIG	46 PSIG
MIN. INLET REQUIRED	3/4" PIPE	1" PIPE
MIN. INLET PRESSURE	10 PSIG	10 PSIG
MOTOR VOLTAGE	115	115
ALL PRESS SW. SETTINGS ADJUSTABLE TO A MIN. 20-40 & MAX 60-90		

\*Stainless steel tank, as shown.  
For painted tank option, order models FCP3208 or FCP3312

# 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.

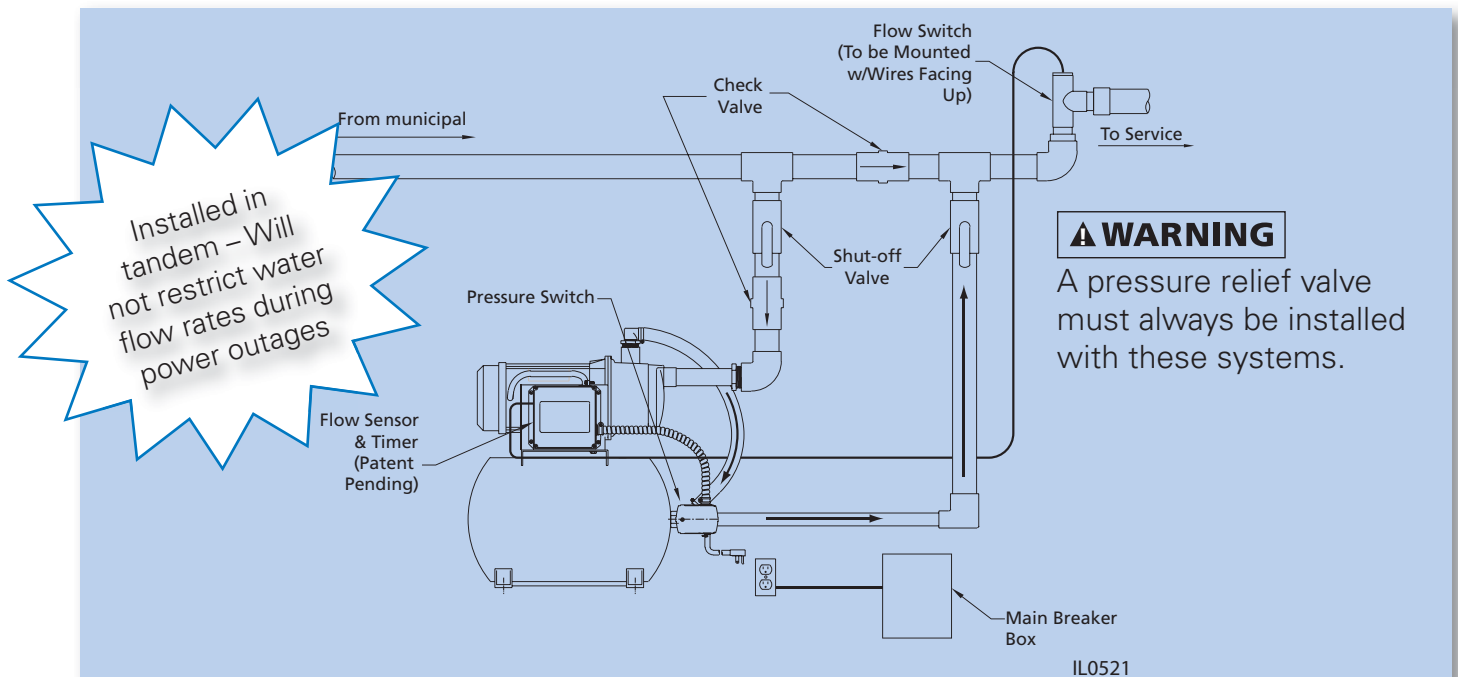


These systems are capable of delivering up to 70 psi to the house - a pressure relief valve must always be installed with these city booster systems. Factory settings are for a water main pressure of 20 psi. Minimum inlet flow pressure is 10 psi.

Systems include painted steel tanks (stainless steel tanks optional on many models) 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) or 20 amp (230 volt)

circuit. These systems are designed for cold water use. System is wired with 115 volt waterproof cord with grounded plug for easy installation. Can be readily converted to 230V (see installation instructions.)

## TYPICAL INSTALLATION



## PRESSURE TEST ADAPTER - OPTIONAL EQUIPMENT

Part No. 022532  
Swivel pressure test adapter w/200# pressure gauge. Ideal for static pressure testing at outside or wall faucets.

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