

FAILURE TO FOLLOW THESE INSTRUCTION WILL VOID ANY WARRANTY



The simple Booster-it® Flow Control valve increases flow to reduce short cycling of the pump. Three ¼" NPT tapped ports are provided for a pressure switch and a gauge on the tank outlet side. One ¼" NPT tapping is provided for a plug to drain tank.

Operation:

Operation of the Booster-It® is automatic. No external power is required; the valve operates completely on water pressure. There is no adjustment necessary to the valve itself. Adjustments may be made to the pressure switch as desired.

Construction:

The valve body is cast from an un-leaded bronze alloy. All internal parts are made from corrosion resistant material.

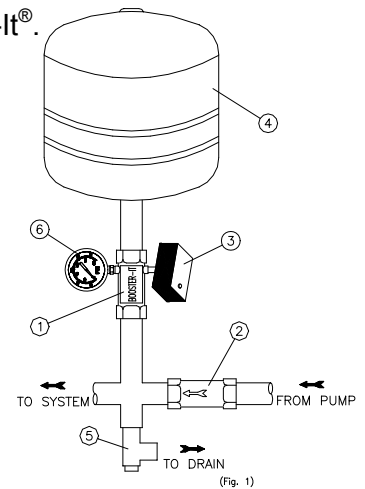
Installation:

1. Flush or clean the pipeline before installing the Booster-It®
2. The Booster-It® valve is installed in a way such that it partially isolates the pressure tank from the system. (See Fig.1) It is important that the Booster-It® is mounted with the gauge port end located nearest the tank.
3. Install the pressure switch and gauge on the tank side of the valve or on fittings between the Booster-It® and the pressure tank.
4. **A properly sized pressure relief valve MUST be used in conjunction with the Booster-It®.** Do not operate the system without a pressure relief valve installed. Failure to use a pressure relief valve may cause damage to the plumbing system.
5. A second pressure gauge may be installed on the system side to monitor the pressure that is actually being delivered.
6. Connect pump control wiring as usual. No changes are required with the Booster-It®.

Caution: *BOOSTER-IT® requires a safety pressure relief valve (usually set for 75psi) to be installed to protect the pressure tank and the piping system from over pressures.*

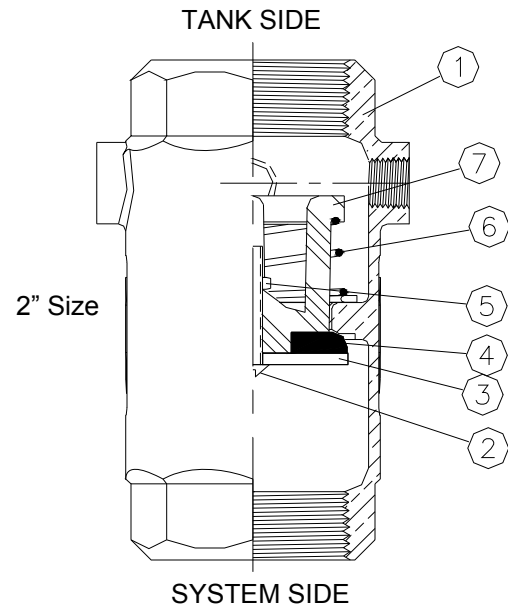
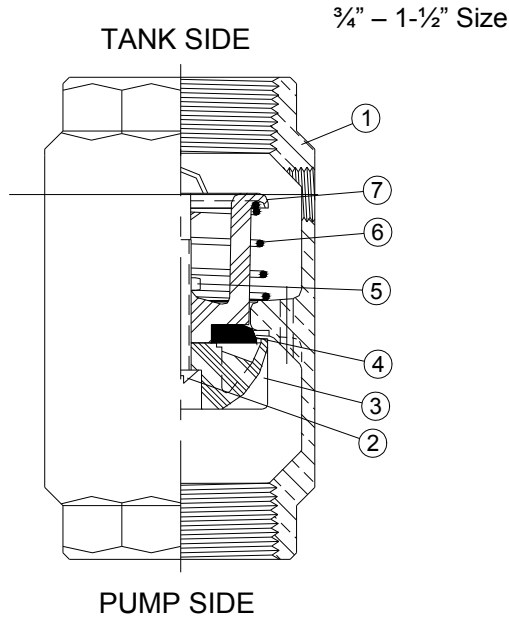
Start-Up

1. Before start-up insure that pressure relief valve have been properly installed.
2. Booster-It® **flow arrow in the direction of water tank.**
3. A check valve shall be installed in the pipe from the pump to prevent backflow.
4. Start up pump with water service valve open to flush line and remove air.
5. Slowly close service valve and watch pressure gage to insure that pump starts properly.
6. A second pressure gauge shall be installed in the piping water distribution line to **make sure that the system is not being over pressured.**



- 1 Booster-It®
- 2 Check Valve
- 3 Pressure Switch

- 4 Pressure Tank
- 5 Relief Valve
- 6 Pressure Gauge



Item	Description
1	Body
2	Screw
3	Dome
4	Disc
5	Nut
6	Spring
7	Guide

Item	Description
1	Body
2	Screw
3	Flat Washer
4	Disc
5	Nut
6	Spring
7	Guide

BY-PASS FLOW DATA		
Δ PSI	GPM (3/4" THRU 1-1/4")	GPM 1-1/2"
20	1.0	4.18
25	1.2	4.68
30	1.3	5.12
35	1.4	5.54
40	1.5	5.92
45	1.6	6.26
50	1.7	6.60
55	1.8	6.92
60	1.8	7.24
65	1.9	7.54
70	2.0	7.82
75	2.0	8.10
80	2.1	8.36
85	2.2	8.62
90	2.2	8.86
95	2.3	9.12
100	2.3	9.34

BY-PASS FLOW DATA	
Δ PSI	GPM 2"
20	4.18
25	4.68
30	5.12
35	5.54
40	5.92
45	6.26
50	6.60
55	6.92
60	7.24
65	7.54
70	7.82
75	8.10
80	8.36
85	8.62
90	8.86
95	9.12
100	9.34

1 Year Limited Warranty: Flomatic valves are guaranteed against defects of materials or workmanship when used for the services recommended. If in any recommended service, a defect develops due to material or workmanship, and the device is returned, freight prepaid, to Flomatic Corporation within 12 months from the date of purchase, it will be repaired or replaced free of charge. Flomatic Corporations' liability shall be limited to our agreement to repair or replace the valve only.