Procedure for By-passing Equipment

Overview

Secondwind has designed their signature installations with 3 ball by-passes to be able to isolate the installed equipment in case of a plumbing emergency. The procedure to bypass a system is easy.

Definitions

By-pass	To manipulate a series of valves to divert the plumbing path around an installed system
Ball Valve	A device that can be used to shut off or open up a flow of water in a piping system by moving a lever to an **OPEN** or **CLOSED** position
Plumbing Loop	Secondwind Equipment is always installed on its own plumbing system that can be isolated from the main system by manipulating three ball valves
Open	valve is open when the yellow handle runs **PARALLEL** to the pipe it is mounted on
Closed	A valve is closed when the yellow handle is **PERPENDICULAR** to the pipe it is mounted on
In Service	When the configuration of the 3 ball valves forces the water to run through the system loop
In By-pass	When the configuration of the 3 ball valves keeps the water from running through the system loop

Procedure to By-pass the System

The three ball valves are labeled **1, 2, & 3.**

To by-pass the system;

1. set ball valve #1 to perpendicular (*closed*) position
2. set ball valve #2 to parallel (*open*) position
3. set ball valve #3 to perpendicular (*closed*) position

To put the system in service;

1. set ball valve #1 to parallel (*open*) position
2. set ball valve #2 to perpendicular (*closed*) position
3. set ball valve #3 to parallel (*open*) position

Picture of Loop and Three Ball Valves in Service Position

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