Winterization - Bypassing a Flow Meter

Overview:

We recommend that a qualified licensed contractor perform this type of winterization method. The blowout method utilizes an air compressor with a cubic foot per minute (CFM) rating of 80-100 for any 2" or less mainline. The compressor is attached to the mainline via a quick coupler, hose bib, or other connections located beyond the backflow device. For additional winterization procedures, we highly recommend contacting the local dealer for the most common local practices.

IMPORTANT: Compressed air should not be blown through any backflow or flow meter device.

If you need to blow upstream from where the flow meter is located, we recommend bypassing the meter temporarily by using one of two options.

Bypass HC Flow Meter Using Nipple

See the size chart below for specific lengths to install an SCH 80 or galvanized nipple.

Model	Description	Male-Thread NPT	Nipple Length
HC-075-FLOW	¾" NPT body, male thread with 1" NPT male adapter	1" NPT	5"
HC-100-FLOW	1" NPT body, male thread with 1.5" NPT male adapter	1 ¼"NPT	5"
HC-150-FLOW	1½" NPT body, male thread with 2" NPT male adapter	2"NPT	11 3/4"
HC-200-FLOW	2" NPT body, male thread with 3" NPT male adapter	2 1/2" BSP	11 3/4"

Bypass HC Flow Meter Using Shutoff Valves

A second option would be to install PVC tee-ball valves on each side of the meter. This is the recommended option during NEW installation. The meter will have to be removed manually after the blowout to make sure any residual water is not sitting inside through the winter months.

IMPORTANT: The pipe flowing water into the flow meter needs to be a**MINIMUM** of 10 times longer than the width of the pipe. The pipe flowing water away from the meter needs to be a **MINIMUM** of 5 times the width of the pipe.

1. Ball Valve 1
2. Ball Valve 2
3. Ball Valve 3 (Not necessary for winterizing but helpful for maintenance on the meter)
4. Bypass PVC pipe

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