



Installation, Operation & Maintenance Instructions for the PRIER Mansfield Style 400 Diamond Series Wall Hydrant

Please leave this sheet for the property homeowner

Thank you for purchasing the PRIER Mansfield Style 400 Diamond Series Wall Hydrant. Your 400 Diamond Series Wall Hydrant will provide you years of dependable service with little or no maintenance.

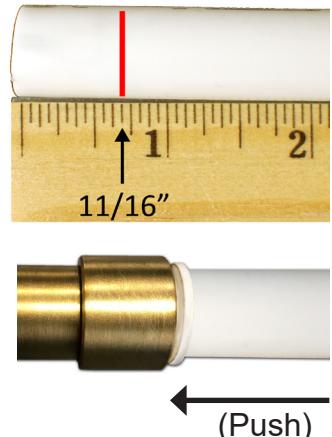
Installation:

Installation procedures may vary slightly depending on the seat option purchased and the installation inlet options. PRIER Mansfield Style 400 Series wall hydrants are available with the following inlet options:

Inlet Style	Inlet Specifications	Hole Size
478-D	$\frac{1}{2}$ " MIP x $\frac{1}{2}$ " SWT	1" Hole
479-T	$\frac{3}{4}$ " MIP x $\frac{1}{2}$ " FIP	1 $\frac{1}{8}$" Hole
480-C	$\frac{1}{2}$ " CPVC	1" Hole
481-S	$\frac{1}{2}$ " SWT x $\frac{3}{4}$ " Push-On	1" Hole
482-F	$\frac{3}{4}$ " MIP x $\frac{3}{4}$ " SWT	1 $\frac{1}{8}$" Hole
483-G	$\frac{1}{2}$ " Push-fit	1 $\frac{1}{8}$" Hole
490-X	$\frac{1}{2}$ " Wirsbo® PEX	1" Hole
491-W	$\frac{1}{2}$ " Wirsbo® PEX	1" Hole
492-FX	$\frac{3}{4}$ " Crimp PEX	1 $\frac{1}{8}$" Hole

1. Determine the location for the installation of the hydrant. The valve must be installed into a heated area of the structure that will not drop below freezing. Ensure there is adequate work room in the interior of the structure for securing the hydrant to the plumbing piping. Bore the whole size listed above through the wall in the desired position for the installation.
2. All freezeless wall hydrants require a slight downward pitch to aid the draining process of the hydrant once the product is turned to the "off" position. PRIER includes a siding wedge with each valve that is installed behind the flange to assist with drainage pitch.
3. Position the spout of the hydrant in the downward position. From the interior of the structure, utilize the date code on the copper pipe near the inlet. When the date code is pointed down, the spout is oriented in the proper position on the outside of the structure.

4. Connect the water supply piping to the freezeless wall hydrant as desired.
5. If you are planning to solder the connection (478, 481, or 482 style seats), be certain the hydrant is in the fully open position to prevent seat damage from the heat. If you are installing using a threaded adapter, hand tighten until valve is snug, then orient spout in the proper direction. Use a strap wrench if necessary. **DO NOT OVERTIGHTEN.**
6. For the 483 1/2" push-fit style inlet: (PEX, copper or PVC)
 - Square cut the supply line and deburr the edges before inserting into valve fitting to prevent damage to the o-ring inside the valve.
 - Make sure the outside surface of the pipe/tube is clean and free from scratches, dents, dirt, oils or other imperfections.
 - Measure 11/16" from the end of the pipe and mark.
 - Push the valve onto piping until it is flush with the mark.
 - Pull on the hydrant to make sure it is secure.



7. With a closed-end hose attached to the hydrant outlet, test the installation for leakage.
8. After the water supply connection is made, secure the hydrant to the structure using appropriate screws through the two mounting holes on the casted back flange and siding wedge.

Operation:

Operation of the PRIER Mansfield Style 400 Diamond Series Wall Hydrant is a simple process. Water flows through the hydrant after turning the handle counter-clockwise to the "on" position. Turn off the hydrant by turning the handle clockwise to the "off" position.

The hydrant will drain for a few moments. If the dripping persists after a few moments, tighten the handle slightly until the dripping stops. Be careful not to overtighten the hydrant.

The 400 Series incorporates an integral atmospheric anti-siphon vacuum breaker that, in the rare occurrence of a back siphonage, opens to the atmosphere preventing contamination of the water supply.

As well as an atmospheric vacuum breaker, the 400 Series incorporates a backflow preventer that operates as a check valve in the rare case that water is forced backwards into the valve. The backflow preventer has been tested to 125 PSI pressure.

ALWAYS REMOVE HOSE DURING FREEZING TEMPERATURES
INTENDED FOR IRRIGATION USE AND OUTDOOR WATERING

Maintenance:

The PRIER Mansfield Style 400 Diamond Series Wall Hydrant leaves the factory fully air tested and operational. It is treated with an FDA approved lubrication. The hydrant requires no scheduled maintenance to provide long life.



4515 East 139th Street
Grandview, MO 64030
(800) 362-9055
Fax (800) 362-1463
www.PRIER.com

Replacement Parts

ID	Part No.	Description
1	See Below	Stem Assembly, Contains: 1, 2, 3, 4, 5
2	C-134KT-802	Seat Washer Replacement Kit (00 Beveled)
3	336-0002	Backflow Check Valve for 400 Series
4	324-1006	Washer (Stainless Steel)
5	339-3002	Packing for Left Hand Packing Nut (Graphite)
6	337-3001	Left Hand Thread Packing Nut (Plastic)
7	630-7965	Handle & Screw Kit (Grey Plastic Handle & Stainless Steel Screw)
8	630-7975	Handle & Screw Kit (Beige Plastic Handle & Stainless Steel Screw)
9	337-3012	Space Wedge (Grey, Plastic)
	337-3013	Space Wedge (Beige, Plastic)
9	630-7500	Universal Vacuum Breaker Replacement Kit
	630-7755	Service Kit for 300/400/500 Series Contains: 2, 3, 4, 5, 6
	630-8500	Complete Service, Handle & Vacuum Breaker Kit

*The 630-7755 Wall Hydrant Repair Kit includes parts for the 300, 400 and 500 Series hydrants, some of which are not pictured here. When repairing a hydrant you will have parts left over.

*The 630-7500 Universal Vacuum Breaker Kit fits all current and past PRIER and Mansfield style residential hydrants.

Replacement Stems



H Style Manufactured April 2013 - Present

Part No.	Style	Description	Stem Length
M-231-3204	H	Stem for 4" 400 Series Hydrant	6 $\frac{9}{16}$ " OAL
M-231-3206	H	Stem for 6" 400 Series Hydrant	8 $\frac{9}{16}$ " OAL
M-231-3208	H	Stem for 8" 400 Series Hydrant	10 $\frac{9}{16}$ " OAL
M-231-3210	H	Stem for 10" 400 Series Hydrant	12 $\frac{9}{16}$ " OAL
M-231-3212	H	Stem for 12" 400 Series Hydrant	14 $\frac{9}{16}$ " OAL
M-231-3214	H	Stem for 14" 400 Series Hydrant	16 $\frac{9}{16}$ " OAL

For the **old style 400 Series wall hydrant stems, see 400 Series retired style spec sheet at www.PRIER.com.
For older styles made prior to 2007, see the retired 500 Series spec sheet.