



Installation, Operation & Maintenance Instructions for the PRIER C-144/244 Diamond Series Freezeless Wall Hydrant

Please leave this sheet for the property homeowner

Thank you for purchasing the PRIER C-144/244 Diamond Series Freezeless Wall Hydrant, the finest quality freezeless wall hydrant available. Your C-144/244 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 freezeless wall hydrants are available with the following inlet options:

| | | |
|-----------|-------------------------|-------------------------|
| D | 1/2" MIP x 1/2" SWT | Bore 1" Hole |
| S | 1/2" SWT x 3/4" Push-On | Bore 1" Hole |
| X | 1/2" Crimp PEX | Bore 1" Hole |
| W | 1/2" Wirsbo® PEX | Bore 1" Hole |
| C | 1/2" CPVC | Bore 1" Hole |
| T | 3/4" MIP x 1/2" FIP | Bore 1 1/8" Hole |
| F | 3/4" MIP x 3/4" SWT | Bore 1 1/8" Hole |
| FX | 3/4" Crimp PEX | Bore 1 1/8" Hole |
| FW | 3/4" Wirsbo® PEX | Bore 1 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 has machined an appropriate pitch into the casted backflange to assist and ensure that a proper drainage pitch results after installation.
3. Position the spout of the hydrant in the downward position. From the interior of the structure, utilize the spout aligning mark on the seat. When the mark is pointed down, the spout is oriented in the proper position on the outside of the structure.
4. If you are planning to solder the connection (D, S or F 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.**
5. Connect the water supply piping to the freezeless wall hydrant as desired. With a closed-end hose on the valve creating back pressure, test the installation for leakage.
6. 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.

Operation:

Operation of the C-144/244 Diamond Series Freezeless Wall Hydrant is a simple process. Water flows through the hydrant after turning the handle (or operating key for the C-244 style) 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 C-144/244 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 C-144/244 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

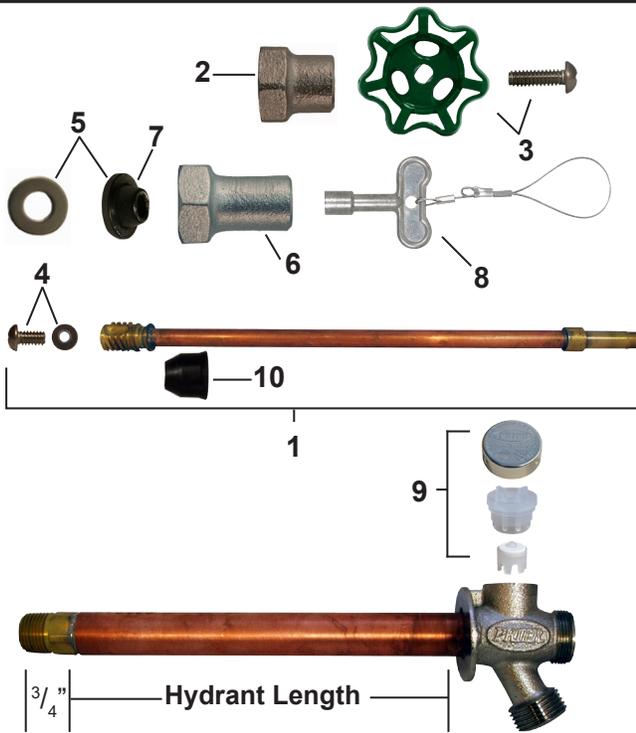
Maintenance:

The PRIER C-144/244 series freezeless 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.



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Replacement Parts



| ID | Part No. | Description |
|----|-------------|--|
| 1 | See Below | Stem Assembly, Contains: 1, 4, 10 |
| 2 | 300-1008 | Valve Stem Cap |
| 3 | C-134KT-805 | Oval Handle and Screw Kit |
| 4 | C-134KT-802 | Seat Washer Replacement Kit (00 Beveled) |
| 5 | C-134KT-803 | Stem Packing Replacement Kit |
| 6 | 310-1015 | Valve Stem Cap for Loose Key |
| 7 | 390-1001 | Stem Packing Only |
| 8 | C-108KT-808 | Oval Style Key on Lanyard |
| 9 | C-144KT-806 | Universal Vacuum Breaker Replacement Kit |
| 10 | 336-0002 | Backflow Check Valve for C-144 |
| | C-134KT-804 | Handle to Loose Key Conversion Kit Contains: 5,6,8 |
| | C-234KT-804 | Loose Key to Handle Conversion Kit Contains: 2, 3, 5 |
| | C-144KT-807 | C-144 Overhaul Kit Contains: 3, 4, 5, 9, 10 |

*The C-144KT-806 Universal Vacuum Breaker Kit fits all current and past PRIER and Mansfield style residential hydrants.

Replacement Stems



G Style Manufactured April 2013 - Present

| Part No. | Style | Description | Stem Length |
|------------|-------|---|--|
| P-231-12CC | G | Close Coupled Stem for C-144 Hydrant | 4 ³ / ₈ " OAL |
| P-231-1204 | G | Stem for 4" C-144 Hydrant | 6 ⁷ / ₈ " OAL |
| P-231-1206 | G | Stem for 6" C-144 Hydrant | 8 ⁷ / ₈ " OAL |
| P-231-1208 | G | Stem for 8" C-144 Hydrant | 10 ⁷ / ₈ " OAL |
| P-231-1210 | G | Stem for 10" C-144 Hydrant | 12 ⁷ / ₈ " OAL |
| P-231-1212 | G | Stem for 12" C-144 Hydrant | 14 ⁷ / ₈ " OAL |
| P-231-1214 | G | Stem for 14" C-144 Hydrant | 16 ⁷ / ₈ " OAL |
| P-231-1216 | G | Stem for 16" C-144 Hydrant | 18 ⁷ / ₈ " OAL |
| P-231-1218 | G | Stem for 18" C-144 Hydrant | 20 ⁷ / ₈ " OAL |
| P-231-1220 | G | Stem for 20" C-144 Hydrant | 22 ⁷ / ₈ " OAL |
| P-231-1222 | G | Stem for 22" C-144 Hydrant | 24 ⁷ / ₈ " OAL |
| P-231-1224 | G | Stem for 24" C-144 Hydrant | 26 ⁷ / ₈ " OAL |
| P-231-12US | G | *Universal Replacement Stem for C-144 Hydrant | Up to 16 ⁷ / ₈ " OAL |

For the **old style C-144 Series wall hydrant stems, see C-144 Series retired style spec sheet at www.PRIER.com. PRIER universal stems are replacement stems for any size from close coupled to 14." They require cutting the rod to proper length and soldering the brass stem end to the rod as directed in instructions.