

Engineering Change Notification

Date: February 2, 2026

Reference: Design Improvement

Product Line: CYCLEMASTER® Transcritical XHP and XHPSS, 140 bar Ball Valves

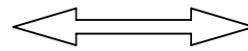
Mueller Refrigeration previously submitted a change to the Transcritical XHP and XHPSS CYCLEMASTER® Ball Valves. The cavity bleed hole in the ball was removed, ensuring the valve is bi-directional in the shut-off position.

The following marking on the valves will be replaced with a standard bi-directional flow arrow, indicating that the valve includes a ball with only a single internal equalization hole, supporting full pressure in both directions:

Current



New



Dimensionally, there will be no changes to the valves.

Part numbers affected by this change include the following:

AP17859XHP	140BAR Straight-Thru, 1/4" ODS
AP17860XHP	140BAR Straight-Thru, 3/8" ODS
AP17861XHP	140BAR Straight-Thru, 1/2" ODS
AP17862XHP	140BAR Straight-Thru, 5/8" ODS
AP17863XHP	140BAR Straight-Thru, 3/4" ODS
AP17864XHP	140BAR Straight-Thru, 7/8" ODS
AP17865XHP	140BAR Straight-Thru, 1-1/8" ODS
AP17866XHP	140BAR Straight-Thru, 1-3/8" ODS
AP17867XHP	140BAR Straight-Thru, 1-5/8" ODS
AP17868XHP	140BAR Straight-Thru, 2-1/8" ODS
AQ17859XHP	140BAR Straight-Thru, 1/4" ODS w/ ACCESS
AQ17860XHP	140BAR Straight-Thru, 3/8" ODS w/ ACCESS
AQ17861XHP	140BAR Straight-Thru, 1/2" ODS w/ ACCESS
AQ17862XHP	140BAR Straight-Thru, 5/8" ODS w/ ACCESS
AQ17863XHP	140BAR Straight-Thru, 3/4" ODS w/ ACCESS
AQ17864XHP	140BAR Straight-Thru, 7/8" ODS w/ ACCESS
AQ17865XHP	140BAR Straight-Thru, 1-1/8" ODS w/ ACCESS
AQ17866XHP	140BAR Straight-Thru, 1-3/8" ODS w/ ACCESS
AQ17867XHP	140BAR Straight-Thru, 1-5/8" ODS w/ ACCESS

AQ17868XHP 140BAR Straight-Thru, 2-1/8" ODS w/ ACCESS
AQ17860XHPSS 150BAR Stainless Butt-Weld, 1/8" NPS 10.2 ODE w/ ACCESS
AQ17861XHPSS 150BAR Stainless Butt-Weld, 1/4" NPS 13.5 ODE w/ ACCESS
AQ17862XHPSS 150BAR Stainless Butt-Weld, 3/8" NPS 17.2 ODE w/ ACCESS
AQ17864XHPSS 150BAR Stainless Butt-Weld, 1/2" NPS 21.3 ODE w/ ACCESS
AQ17865XHPSS 150BAR Stainless Butt-Weld, 3/4" NPS 26.9 ODE w/ ACCESS
AQ17866XHPSS 150BAR Stainless Butt-Weld, 1" NPS 33.7 ODE w/ ACCESS
AQ17867XHPSS 150BAR Stainless Butt-Weld, 1-1/4" NPS 42.4 ODE w/ ACCESS
AQ17868XHPSS 150BAR Stainless Butt-Weld, 1-1/2" NPS 48.3 ODE w/ ACCESS
AQ17871XHPSS 150BAR Stainless Butt-Weld, 2" NPS 60.3 ODE w/ ACCESS

All inventories of the previous design have been depleted.

For specific application questions or assistance with product selections, please contact your local Mueller Refrigeration sales representative or authorized distributor.