

### Engineering Change Notification

Date: August 29, 2025

Reference: Design Improvement

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

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

The following marking on the valves will be removed, indicating that the valve includes a ball with only a single bleed hole:



Dimensionally, there will be not 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 will be depleted of the previous design before the redesigned product will be shipped.  
Inventory for select valves is expected to transition by Q4 2025.\

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