



Design Release

Date: July 10, 2024

Reference: Design Improvement

Product Line: Ball Valves, Transcritical CO₂, 140 Bar

In an effort to supply customers with the most meaningful and practical refrigeration and air conditioning component product designs, Mueller Refrigeration has enhanced the design of their CYCLEMASTER® Transcritical CO₂ 140 Bar Ball Valves.

Mueller will begin to introduce a line of Transcritical CO₂ 140 Bar Ball valves with access ports integrated into the brass body, along with a mounting pad for panel mounting during the third quarter of 2024.

The new product line offering will not change overall lengths, though the access flare fitting will move closer to the stem and the valve centerlines may shift slightly to accommodate the body adjustments.

Size	CURRENT DESIGN				NEW DESIGN			
	ODS	ODS with access	ODS reversible with access	Overall Length	ODS	ODS with access	ODS reversible with access	Overall Length
1/4	AP17859XHP	A 18937XHP	A 18937XHPR	5.00	AP17859XHP	AQ17859XHP	AQ17859XHPR	5.00
3/8	AP17860XHP	A 18938XHP	A 18938XHPR	5.20	AP17860XHP	AQ17860XHP	AQ17860XHPR	5.20
1/2	AP17861XHP	A 18939XHP	A 18939XHPR	5.47	AP17861XHP	AQ17861XHP	AQ17861XHPR	5.47
5/8	AP17862XHP	A 18940XHP	A 18940XHPR	5.83	AP17862XHP	AQ17862XHP	AQ17862XHPR	5.83
3/4	A 17863XHP	AC17863XHP	AC17863XHPR	5.83	AP17863XHP	AQ17863XHP	AQ17863XHPR	5.83
7/8	A 17864XHP	AC17864XHP	AC17864XHPR	7.27	AP17864XHP	AQ17864XHP	AQ17864XHPR	7.27
1 1/8	A 17865XHP	AC17865XHP	AC17865XHPR	7.27	AP17865XHP	AQ17865XHP	AQ17865XHPR	7.27
1 3/8	A 17866XHP	AC17866XHP	AC17866XHPR	8.06	AP17866XHP	AQ17866XHP	AQ17866XHPR	8.06
1 5/8	A 17867XHP	AC17867XHP	AC17867XHPR	9.46	AP17867XHP	AQ17867XHP	AQ17867XHPR	9.46
2 1/8	A 17868XHP	AC17868XHP	AC17868XHPR	10.84	AP17868XHP	AQ17868XHP	AQ17868XHPR	10.84

CYCLEMASTER® Transcritical CO₂ Ball Valves are UL/cUL Listed, conform to the Pressure Equipment Directive 2014/68/EU, and have been extensively tested and rated for use with CO₂ refrigerant and CO₂ compatible oils.

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