



ENGINEERING CHANGE NOTICE

Date: 12/12/2007
Subject: Ball Valve Padmount

Mueller Refrigeration Company is announcing a design change for all series of CYCLEMASTER ball valves that will only affect the padmount mounting dimensions, located at the base of the valves. The modifications have been made to allow for more consistent dimensions with universal mounting applications.

Dimensional data is below for comparison between current versus new design. Design changes will effect overall height, centerline height (relative to mounting), padmount spacing and threaded hole depth

	1/4 - 5/8"		3/4 - 7/8"		1-1/8"		1-3/8"		1-5/8"		2-1/8"		2-5/8"		3-1/8"	
Old Thread Size	M4 X 0.7mm		M4 X 0.7mm		M4 X 0.7mm		M6 X 1.0mm		M6 X 1.0mm		M6 X 1.0mm		M6 X 1.0mm		M6 X 1.0mm	
New Thread Size	No Change		No Change		No Change		No Change		No Change		No Change		No Change		No Change	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
Old Thread Depth (MFT)	0.25	6.4	0.37	9.4	0.37	9.4	0.47	11.9	0.47	11.9	0.42	10.7	0.42	10.7	0.42	10.7
New Thread Depth (MFT)	0.15	3.8	0.16	4.1	0.20	5.1	0.30	7.6	0.37	9.4	0.48	12.2	None	None	None	None
Old Hole Spacing	0.55	14.0	0.79	20.1	0.98	24.9	1.20	30.5	1.34	34.0	1.34	34.0	1.34	34.0	1.34	34.0
New Hole Spacing	0.87	22.0	1.18	30.0	1.50	38.0	1.89	48.0	2.17	55.0	2.91	74.0	None	None	None	None
Old Pad to CL Height	0.87	22.1	1.25	31.8	1.43	36.3	1.53	38.9	1.68	42.7	2.10	53.3	2.50	63.5	3.00	76.2
New Pad to CL Height	0.65	16.5	0.88	22.4	1.13	28.7	1.28	32.5	1.42	36.1	1.86	47.2	None	None	None	None
Old Overall Height	2.73	69.3	3.46	87.9	3.81	96.8	4.19	106.4	4.84	122.9	5.58	141.7	6.60	167.6	7.38	187.5
New Overall Height	2.51	63.8	3.09	78.4	3.50	88.9	3.94	100.1	4.58	116.3	5.34	135.6	6.29	159.8	7.03	178.6

Two valves series that will no longer be available with any mounting configuration are the full flow 2 5/8" and 3 1/8" sizes.

Lay-in-length and solder cups will not be affected by this design improvement.

This improvement is targeted for implementation during the first quarter of 2008. Current design inventory will be depleted prior to implementation.

If you require additional information, please call your Sales Representative or Mueller Refrigeration Customer Service at 1-800-251-8983.

