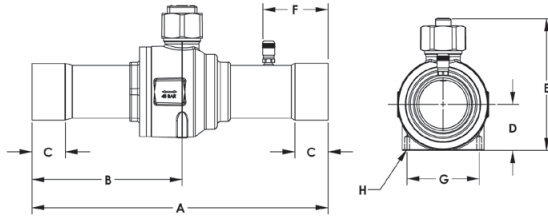
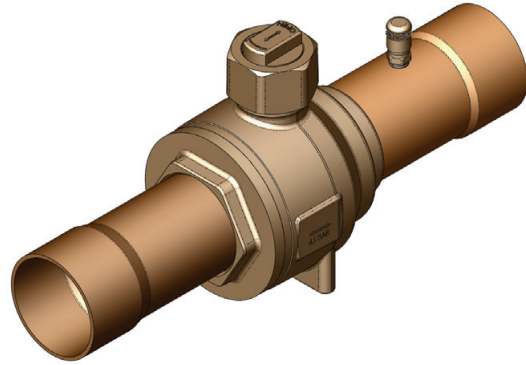


CYCLEMASTER® Ball Valves

Look for these Mueller advantages:

- Maximum working pressure (PS): 700 psig, 48 bar
- Working temperature range (TS): -40°F/300°F, -40°C/149°C
- Compatible with all CFC, HCFC and HFC refrigerants and oils
- UL/cUL Listed, CE Certified
- RoHS Compliant
- Full port construction to match line size ID
- Internally equalized ball design
- Rupture-proof encapsulated stem
- MCM™ Seal Technology



Part No.	Size	Cv	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)**	G (in)**	H**	Port (in)	Wt (lbs)	Seal Cap Kit
A 17859	1/4	1.0	5 7/16	2 15/16	5/16	5/8	2 1/2	1 3/16	7/8	M4 X 0.7	1/2	0.66	A 17842
A 17860	3/8	4.3	5 1/2	3	5/16	5/8	2 1/2	1 3/16	7/8	M4 X 0.7	1/2	0.66	A 17842
A 17861	1/2	6.2	6 3/8	3 7/16	3/8	5/8	2 1/2	1 3/16	7/8	M4 X 0.7	1/2	0.68	A 17842
A 17862	5/8	11.2	6 3/8	3 7/16	1/2	5/8	2 1/2	1 3/8	7/8	M4 X 0.7	1/2	0.68	A 17842
A 17863	3/4	19.0	7 7/16	3 7/8	5/8	7/8	3 1/16	1 5/8	1 3/16	M4 X 0.7	3/4	1.42	A 17843
A 17864	7/8	29.3	7 7/16	3 7/8	3/4	7/8	3 1/16	1 5/8	1 3/16	M4 X 0.7	3/4	1.43	A 17843
A 17865	1 1/8	56.6	8 7/16	4 5/16	7/8	1 1/8	3 5/8	1 3/4	1 1/2	M4 X 0.7	1	2.73	A 17844
A 17866	1 3/8	84.6	10	5	1	1 1/4	3 15/16	2 1/16	1 7/8	M6 X 1.0	1 1/4	3.26	A 17844
A 17867	1 5/8	225	11	5 1/2	1 1/16	1 7/16	4 9/16	2 1/4	2 3/16	M6 X 1.0	1 1/2	4.70	A 17845
A 17868	2 1/8	292	12	6 1/16	1 5/16	1 7/8	5 3/8	2 7/16	2 15/16	M6 X 1.0	2	8.02	A 17845
A 17869	2 5/8	423	13 1/2	6 13/16	1 1/2	2 1/4	6 1/4	2 7/8	---	---	2 7/16	13.40	A 17846
A 17870	3 1/8	553	16	8	1 11/16	2 11/16	7 1/16	3 7/16	---	---	3	21.31	A 17846
A 17871*	2 5/8	230	12	6 1/16	1 1/2	1 7/8	5 3/8	2 1/2	2 15/16	M6 X 1.0	2	8.46	A 17845
A 17872*	3 1/8	143	12	6 1/16	1 11/16	1 7/8	5 3/8	2 11/16	2 15/16	M6 X 1.0	2	9.12	A 17845
B 34909***	3 5/8	---	13 1/8	6 1/2	1 15/16	2 11/16	7 1/16	---	---	---	3	22.80	A 17846
B 34910***	4 1/8	---	14 1/2	7 3/16	2 3/16	2 11/16	7 1/16	---	---	---	3	21.00	A 17846

Part No.	Size	Kv	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)**	G (mm)**	H**	Port (mm)	Wt (kg)	Seal Cap Kit
A 17859	6	0.9	138	75	8	17	64	29	22	M4 X 0.7	13	0.30	A 17842
A 17860	10	3.7	140	76	8	17	64	29	22	M4 X 0.7	13	0.30	A 17842
A 17861	13	5.4	161	87	10	17	64	31	22	M4 X 0.7	13	0.31	A 17842
A 17862	16	9.7	161	87	13	17	64	34	22	M4 X 0.7	13	0.31	A 17842
A 17863	19	16.4	189	99	16	22	78	41	30	M4 X 0.7	19	0.64	A 17843
A 17864	22	25.3	189	99	19	22	78	41	30	M4 X 0.7	19	0.65	A 17843
A 17865	29	48.9	214	110	23	29	92	44	38	M4 X 0.7	25	1.24	A 17844
A 17866	35	73.2	254	127	25	33	100	52	48	M6 X 1.0	32	1.48	A 17844
A 17867	41	195	279	140	28	36	116	57	55	M6 X 1.0	38	2.13	A 17845
A 17868	54	252	305	154	34	47	136	61	74	M6 X 1.0	51	3.64	A 17845
A 17869	67	366	343	173	37	56	159	72	---	---	62	6.08	A 17846
A 17870	79	478	406	203	42	68	180	88	---	---	76	9.67	A 17846
A 17871*	67	199	305	154	37	47	136	63	74	M6 X 1.0	51	3.84	A 17845
A 17872*	79	124	305	154	42	47	136	68	74	M6 X 1.0	51	4.13	A 17845
B 34909***	92	---	333	165	49	68	180	---	---	---	76	10.34	A 17846
B 34910***	105	---	368	183	55	68	180	---	---	---	76	9.53	A 17846

* Reduced port

** Where Applicable

*** Consult factory for details

**** Includes Seal Cap, Seal Cap Gasket, Anti-Friction Ring, Cap Nut

⚡ Sizes not available in "Standard, A" or "Standard with Access, AC" options.

Substitute "AP" for "A" and "AQ" for "AC".

Prefixed for Ball Valve Options:

A = Standard

AC = Standard with access

ACX = Standard with access and 1-piece valox cap

AP = Drilled & tapped

APX = Drilled & tapped with 1-piece valox cap

AQ = Drilled & tapped with access

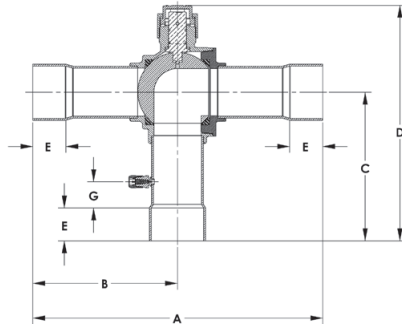
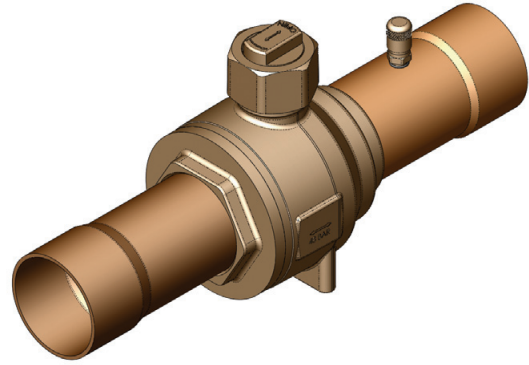
AQX = Drilled & tapped with access & 1-piece valox cap

AU = 3-Way with access

CYCLEMASTER® 3-Way Ball Valves

Look for these Mueller advantages:

- Maximum working pressure (PS): 700 psig, 48 bar
- Working temperature range (TS): -40°F/300°F, -40°C/149°C
- Compatible with all CFC, HCFC and HFC refrigerants and oils
- UL/cUL Listed, CE Certified
- RoHS Compliant
- Full port construction to match line size ID
- Internally equalized ball design
- Rupture-proof encapsulated stem
- MCM™ Seal Technology



Part No.	Size (in)	Cv	A (in)	B (in)	C (in)	D (in)	E (in)	F** (in)	G** (in)	Wt (lb)	Seal Cap Kit****
AUI7860	3/8	2.23	4 7/8	2 21/32	2 19/64	3 21/32	5/16	1/2	41/64	0.63	A 17842
AUI7861	1/2	3.94	5 3/8	3 3/64	2 43/64	4 7/32	3/8	1/2	53/64	0.63	A 17842
AUI7862	5/8	4.63	5 3/8	2 59/64	2 35/64	4 7/64	1/2	1/2	27/32	0.63	A 17842
AUI7863	3/4	11.90	6 1/4	3 57/64	3	5 1/4	5/8	3/4	55/64	1.40	A 17843
AUI7864	7/8	10.89	5 31/32	3 5/32	2 29/32	4 7/8	3/4	3/4	27/32	1.52	A 17843
AUI7865	1 1/8	19.33	6 39/64	3 3/16	3 7/64	5 31/64	29/32	1	53/64	2.82	A 17844
A 17545	1 3/8	31.06	8 1/16	4 7/64	3 61/64	6 57/64	31/32	1 1/4	1 5/64	4.97	A 17844
A 17546	1 5/8	44.69	8 7/8	4 7/16	4 23/64	7 33/64	1 3/32	1 1/2	1 5/32	7.60	A 17845
AUI7868	2 1/8	76.32	9 5/16	4 39/64	4 23/32	8 13/32	1 11/32	2	1 5/64	13.80	A 17845
AUI7871*	2 5/8	69.85	9 1/16	4 15/32	4 19/32	8 9/32	1 15/32	2	1 1/64	8.80	A 17845
AUI7872*	3 1/8	58.19	8 11/16	4 9/32	4 11/32	8 3/32	1 21/32	2	1 27/64	11.10	A 17845

Part No.	Size (mm)	Kv	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F** (mm)	G** (mm)	Wt (kg)	Seal Cap Kit****
AUI7860	10	2	124	67	58	93	8	10	16	0.29	A 17842
AUI7861	13	3	137	77	68	107	10	10	21	0.29	A 17842
AUI7862	16	4	137	74	65	104	13	10	21	0.29	A 17842
AUI7863	19	10	159	99	76	133	16	19	22	0.64	A 17843
AUI7864	22	9	152	80	74	124	19	19	21	0.69	A 17843
AUI7865	29	16	168	81	79	139	23	25	21	1.28	A 17844
A 17545	35	26	205	104	100	175	25	32	27	2.25	A 17844
A 17546	41	38	225	117	111	191	28	38	29	3.45	A 17845
AUI7868	54	65	237	117	120	214	34	51	27	6.26	A 17845
AUI7871*	67	60	230	114	117	210	37	51	16	3.99	A 17845
AUI7872*	79	50	221	109	110	206	42	51	16	5.03	A 17845

- * Reduced port
- ** Where Applicable
- *** Consult factory for details
- **** Includes Seal Cap, Seal Cap Gasket, Anti-Friction Ring, Cap Nut
- Sizes not available in "Standard, A" or "Standard with Access, AC" options. Substitute "AP" for "A" and "AQ" for "AC".

Prefixed for Ball Valve Options:

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- ACX = Standard with access and 1-piece valox cap
- AP = Drilled & tapped
- APX = Drilled & tapped with 1-piece valox cap
- AQ = Drilled & tapped with access
- AQX = Drilled & tapped with access & 1-piece valox cap
- AU = 3-Way with access

