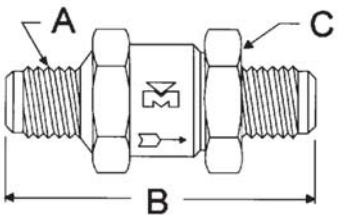
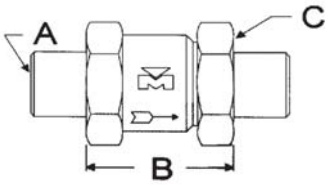


Features:

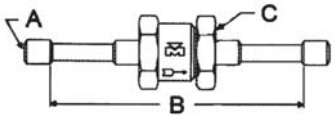
- Design Pressure (DP) / Maximum abnormal pressure (MAP): 700 psig, 48 bar
- Continuous operating temperature (COT): -40°F/300°F, -40°C/149°C
- Pressure to open: < 1 psi
- Contact factory or visit website for compatibility with CFC, HCFC, HFC and HFO refrigerants and oils
- UL/cUL Recognized, Conforms to Pressure Equipment Directive 2014/68/EU
- Neoprene seat for positive isolation and pulsation dampening
- Enhanced internal design for maximum flow and minimum pressure drop



Flare to Flare



Solder to Solder, Extended Ends



Solder to Solder, Extended Ends

Flare to Flare

Part Number		Size A		B		C		Wt	
		in	mm	in	mm	in	mm	lb	kg
A 15620		1/4	6	2.25	57	13/16 Hex	21 Hex	0.15	0.07
A 15621		3/8	10	2.40	61	13/16 Hex	21 Hex	0.20	0.09
A 15622		1/2	13	3.00	76	1 1/4 Oct	32 Oct	0.43	0.19
A 15623		5/8	17	3.20	81	1 1/4 Oct	32 Oct	0.51	0.23
Part Number		**Size A**		**B**		**C**		**Wt**	
		in	**mm**	**in**	**mm**	**in**	**mm**	**lb**	**kg**
A 15628	*	1/4	6	1.14	29	13/16 Hex	21 Hex	0.13	0.06
A 15629	*	3/8	10	1.14	29	13/16 Hex	21 Hex	0.13	0.06
A 15630	*	1/2	13	1.44	37	1 1/4 Oct	32 Oct	0.37	0.17
A 15631	*	5/8	17	1.44	37	1 1/4 Oct	32 Oct	0.36	0.16
A 15632	**	1/4	6	4.40	112	13/16 Hex	21 Hex	0.16	0.07
A 15633	**	3/8	10	4.70	119	13/16 Hex	21 Hex	0.18	0.08
A 15634	**	1/2	13	4.90	124	1 1/4 Oct	32 Oct	0.43	0.20
A 15635	**	5/8	17	5.20	132	1 1/4 Oct	32 Oct	0.48	0.22

* Shipped loosely assembled

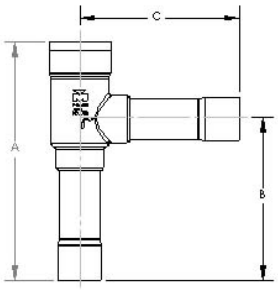
** Extended Ends

CHECK VALVES
90° ANGLE



Features:

- Design Pressure (DP) / Maximum abnormal pressure (MAP): 700 psig, 48 bar
- Continuous operating temperature (COT): -40°F/300°F, -40°C/149°C
- Contact factory or visit website for compatibility with CFC, HCFC, HFC and HFO refrigerants and oils
- UL/cUL Recognized, Conforms to Pressure Equipment Directive 2014/68/EU
- 100% tested
- Forged brass body exceeds the most stringent quality standards in the industry
- Neoprene gasket



Part Number	Size (in)	Cv	Kv	A		B		C		Wt	
				in	mm	in	mm	in	mm	lb	kg
A 18383C	7/8 Male Inlet x Female Outlet	13.4	11.6	5.38	137	3.70	94	3.47	88	0.81	0.37
A 18565C	7/8 Male Inlet x Male Outlet	13.4	11.6	5.38	137	3.70	94	3.67	93	0.81	0.37
A 18566C *	7/8 Female Inlet x Female Outlet	13.4	11.6	5.18	132	3.50	89	3.47	88	0.81	0.37
A 18659C *	1 1/8 Female Inlet x Female Outlet	30.2	26.1	8.02	204	5.55	141	4.84	123	1.93	0.88
A 18660C *	1 3/8 Female Inlet x Female Outlet	37.0	32.0	8.02	204	5.55	141	4.84	123	1.98	0.90

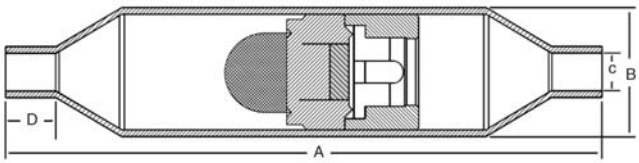
Standard valve includes 2 lb spring

* Prefixed AH for valve with 4.3 lb spring



Features:

- Design Pressure (DP) / Maximum abnormal pressure (MAP): Charted below
- Continuous operating temperature (COT): -40°F/300°F, -40°C/149°C
- Contact factory or visit website for compatibility with CFC, HCFC, HFC and HFO refrigerants and oils
- UL/cUL Recognized, Conforms to Pressure Equipment Directive 2014/68/EU
- Built-in 30 mesh stainless steel screen
- Internal components installed with DuraForm Technology
- Mechanically formed solder cup stops for easy installation
- Flexible for installation in vertical or horizontal position
- Hermetically formed solid copper body assures zero leak potential

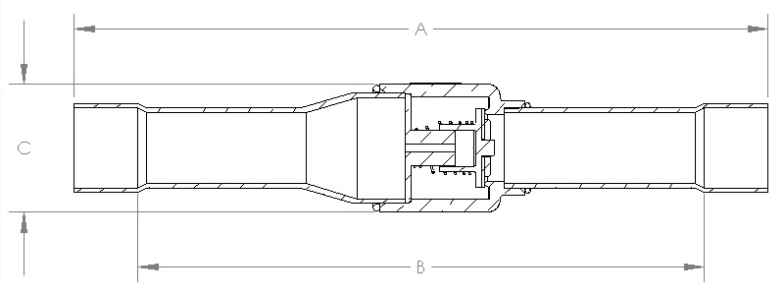


Part Number	Model	Size C (in)		A		B		D		MAP		Wt	
				in	mm	in	mm	in	mm	psig	bar	lb	kg
A 17934	CMV-4S	1/4	6	4.02	102	0.88	22	0.34	9	800	55	0.20	0.09
A 17935	CMV-6S	3/8	10	4.02	102	0.88	22	0.34	9	800	55	0.20	0.09
A 17936	CMV-8S	1/2	13	5.18	131	1.13	29	0.41	10	800	55	0.38	0.17
A 17937	CMV-10S	5/8	17	5.18	131	1.13	29	0.53	13	800	55	0.34	0.16
A 17938	CMV-12S	3/4	19	7.04	179	1.63	41	0.65	17	800	55	0.87	0.40
A 17939	CMV-14S	7/8	22	7.04	179	1.63	41	0.78	20	800	55	0.90	0.41
A 17940	CMV-18S	1 1/8	29	8.43	214	2.13	54	0.94	24	800	55	1.61	0.73
A 17941	CMV-22S	1 3/8	35	9.41	239	2.63	67	1.00	25	800	55	2.74	1.24
A 17942	CMV-26S	1 5/8	41	10.55	268	3.13	79	1.12	28	800	55	3.91	1.77
A 17943	CMV-34S	2 1/8	54	12.06	306	3.63	92	1.37	35	775	53	6.00	2.72
A 17944	CMV-42S	2 5/8	67	13.05	331	4.13	105	1.50	38	775	53	7.00	3.18
A 17981	CMV-50S	3 1/8	79	13.05	331	4.13	105	1.69	43	700	48	7.43	3.37



Features:

- Continuous operating temperature (COT): -40°F/300°F, -40°C/149°C
- Contact factory or visit website for compatibility with CFC, HCFC, HFC and HFO refrigerants and oils
- UL/cUL Recognized, Conforms to Pressure Equipment Directive 2014/68/EU
- Enhanced internal design for maximum flow and minimum pressure drop
- Design Pressure (DP) / Maximum abnormal pressure (MAP): Charted below
- 1/4" - 1/2" sized valves are designed for use with R744 (CO2)
- 5/8" - 7/8" sized valves are designed for use with R744 in cascading systems or secondary loops where design pressures are below the R744 critical pressure of 1058 psi



Part Number		Size ODS		Cv	Kv	ΔP	A		B		C		Wt		MAP
		in	mm			psi	in	mm	in	mm	in	mm	lb	kg	
A 18720		1/4	6	0.70	0.61	1	3.62	92	3.00	76	0.71	18	0.11	0.05	1305
A 18721		3/8	10	1.40	1.21	1	4.29	109	3.60	91	0.71	18	0.12	0.05	1305
A 18722		1/2	13	2.71	2.34	.75	5.15	131	4.28	109	0.85	22	0.16	0.07	1305
A 18723		5/8	17	4.10	3.55	.75	5.43	138	4.43	113	1.00	25	0.22	0.10	1000
A 18838		3/4	19	8.76	7.58	.75	7.01	178	5.86	149	1.34	34	0.43	0.19	1000
A 18724		7/8	22	9.19	7.95	.75	6.50	165	5.25	133	1.34	34	0.42	0.19	1000
AH18720	*	1/4	6	0.70	0.61	4.4	3.62	92	3.00	76	0.71	18	0.12	0.05	1305
AH18721	*	3/8	10	1.40	1.21	4.4	4.29	109	3.60	91	0.71	18	0.12	0.05	1305
AH18722	*	1/2	13	2.71	2.34	4.4	5.15	131	4.28	109	0.85	22	0.17	0.07	1305
AH18723	*	5/8	17	4.10	3.55	4.4	5.43	138	4.43	113	1.00	25	0.29	0.13	1000
AH18838	*	3/4	19	8.76	7.58	4.4	7.01	178	5.86	149	1.34	34	0.43	0.19	1000
AH18724	*	7/8	22	9.19	7.95	4.4	6.50	165	5.25	133	1.34	34	0.43	0.19	1000

Prefixed AH for valve with 4.4 lb spring
Standard valve includes 1 lb spring
* Prefixed AH for valves with higher ΔP
ΔP Minimum pressure at which valve fully opens.

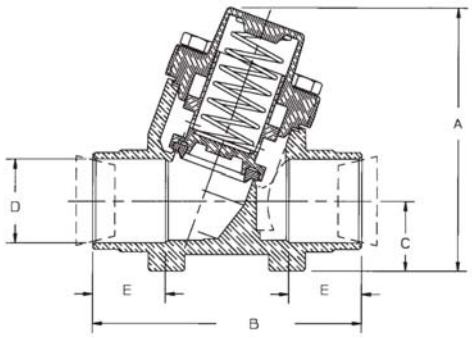
GREAT LAKES COPPER | MUELLER REFRIGERATION

CHECK VALVES
FOUR-BOLT



Features:

- Design Pressure (DP) / Maximum abnormal pressure (MAP): 700 psig, 48 bar
- Continuous operating temperature (COT): -40°F/300°F, -40°C/149°C
- Contact factory or visit website for compatibility with CFC, HCFC, HFC and HFO refrigerants and oils
- UL/cUL Recognized, Conforms to Pressure Equipment Directive 2014/68/EU
- 100% tested
- Design features easy removal and reassembly of internal components
- Forged brass body exceeds the most stringent quality standards in the industry
- Horizontal or vertical installation (not to be installed with bonnet facing down)
- "Y" type design provides minimal pressure drop and increased flow capacity
- Non-asbestos gasket material ensures seal integrity, while a heat-stabilized PTFE seat provides seal across wide temperature ranges.
- Back pressure shutoff at low pressure differentials



Part Number		Size D		Cv	Kv	A		B		C		E		Pressure to Open		Rec Bolt Torques		Replacement Components				Wt	
		in	mm			in	mm	in	mm	in	mm	in	mm	psi	bar	ft-lb	N-m	Kit **	10 lb Spring	20 lb Spring	Gasket	lb	kg
B 34235	*	7/8	22	9.00	8	3.55	90	3.68	93	0.94	24	0.94	24	<1	<.07	8 - 15	11 - 20	A 17986	P 35656	P 35859	P 35708	2.39	1.08
B 34236	*	1 1/8	29	12.00	10	3.55	90	3.68	93	0.94	24	1.00	25	<1	<.07	8 - 15	11 - 20	A 17986	P 35656	P 35859	P 35708	2.29	1.04
B 34237	*	1 3/8	35	19.90	17	4.53	115	4.75	121	1.25	32	1.06	27	<1	<.07	10 - 20	14 - 27	A 17987	P 35657	P 36305	P 35691	5.14	2.33
B 34238	*	1 5/8	41	21.90	19	4.53	115	4.75	121	1.25	32	1.06	27	<1	<.07	10 - 20	14 - 27	A 17987	P 35657	P 36305	P 35691	5.20	2.36
B 34239	*	2 1/8	54	38.90	34	5.84	148	6.37	162	1.70	43	1.50	38	<1	<.07	10 - 20	14 - 27	A 17988	P 36544		P 35721	12.23	5.55
B 34240	*	2 5/8	67	86.10	74	8.00	203	8.88	226	2.00	51	1.90	48	<1	<.07	15 - 25	20 - 34	A 18050			P 36041	27.67	12.55
B 34241	*	3 1/8	79			8.00	203	8.88	226	2.00	51	1.90	48	<1	<.07	15 - 25	20 - 34	A 18050			P 36041	26.80	12.16

* Includes standard spring

** Replacement kit includes seat holder subassembly, cover gasket and 2 lb spring