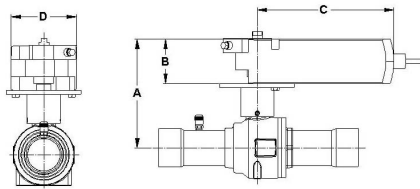


Features:

- Design Pressure (DP) / Maximum abnormal pressure (MAP): Up to 775 psig, 53 bar
- Power Supply: 24 VAC
- Actuator Ambient Temperature: -25°F to 130°F, -32°C to 54°C
- Contact factory or visit website for compatibility with CFC, HCFC, HFC and HFO refrigerants and oils
- Valve Refrigerant Temperature: -40°F to 300°F, -40°C to 149°C
- Remote operating and full shutoff capability
- Gradual open/close stops line hammer
- Removable actuator for quick change replacement
- Manual override and valve positioning
- Electronic overload protection
- UL/cUL Listed, Conforms to EU Pressure Equipment Directive and UK Pressure Equipment Regulation, CRN 0C1241.9C

Actuated Standard



Part Number	Size		Cv	Kv	A		B		C Min		D		MAP		Wt		
	in	mm			in	mm	in	mm	in	mm	in	mm	psig	bar	lb	kg	
AW17861	1/2	13	6.20	5	4.00	102	2.36	60	3.70	94	2.76	70	775	53	2.21	1.00	
AW17862	5/8	17	12.10	10	4.00	102	2.36	60	3.70	94	2.76	70	775	53	2.38	1.08	
AW17863	3/4	19	19.00	16	4.21	107	2.36	60	3.70	94	2.76	70	775	53	2.40	1.09	
AW17864	7/8	22	27.50	24	4.21	107	2.36	60	3.70	94	2.76	70	775	53	2.42	1.10	
AW17865	1 1/8	29	54.00	47	4.58	116	2.36	60	3.70	94	2.76	70	775	53	3.10	1.41	
AW17866	1 3/8	35	89.10	77	5.05	128	2.36	60	5.91	150	3.19	81	775	53	5.53	2.51	
AW17867	1 5/8	41	114.00	99	5.34	136	2.36	60	5.91	150	3.19	81	775	53	6.94	3.15	
AW17868	2 1/8	54	244.00	211	6.42	163	2.66	68	8.94	227	3.94	100	700	48	13.14	5.96	
AW17869	**	2 5/8	67	401.00	347	9.45	240	5.30	135	8.94	227	3.94	100	700	48	23.40	10.61
AW17870	**	3 1/8	79	553.00	478	9.99	254	5.30	135	8.94	227	3.94	100	700	48	31.40	14.24
AW17871	*	2 5/8	67	230.00	199	6.42	163	2.66	68	8.94	227	3.94	100	700	48	13.56	6.15
AW17872	*	3 1/8	79	143.00	124	6.42	163	2.66	68	8.94	227	3.94	100	700	48	14.24	6.46

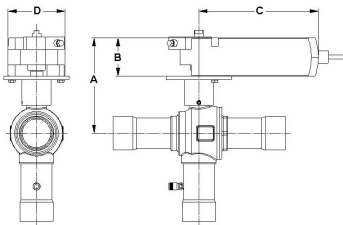
Actuated Standard Ball Valve Accessory Components

Part Number	Size	Base Valve	Motor Series	Motor	Hub Kit	Motor and Hub Kit	Enclosure Kit	Heater Assembly
AW17861	1/2	AQ17861C	1	P 36408	A 18389	A 18390		
AW17862	5/8	AQ17862C	1	P 36408	A 18389	A 18390		
AW17863	3/4	AQ17863	1	P 36408	A 18391	A 18392		
AW17864	7/8	AQ17864C	1	P 36408	A 18391	A 18392		
AW17865	1 1/8	AQ17865	1	P 36408	A 18391	A 18392		
AW17866	1 3/8	AC17866	2	P 36409	A 18393	A 18394	A 18393-KIT2	A 18366
AW17867	1 5/8	AC17867	2	P 36409	A 18393	A 18394	A 18393-KIT2	A 18366
AW17868	2 1/8	AC17868	3	P 36410	A 18368	A 18395	A 18368-KIT3	A 18367
AW17869	2 5/8	** AC17869	4	P 36714 (2)	A 18400	A 18401	A 18400-KIT4	A 18367 (2)
AW17870	3 1/8	** AC17870	4	P 36714 (2)	A 18400	A 18401	A 18400-KIT4	A 18367 (2)
AW17871	2 5/8	* AC17871	3	P 36410	A 18368	A 18395	A 18368-KIT3	A 18367
AW17872	3 1/8	* AC17872	3	P 36410	A 18368	A 18395	A 18368-KIT3	A 18367

Chart includes components required for current product line assemblies. Consult factory for questions regarding replacement components in existing systems.



Actuated Standard



Part Number	Size		Cv	Kv	A		B		C Min		D		MAP		Wt		
	in	mm			in	mm	in	mm	in	mm	in	mm	psig	bar	lb	kg	
AY17861	1/2	13	3.90	3	4.18	106	2.36	60	3.70	94	2.76	70	700	48	2.28	1.03	
AY17862	5/8	17	4.60	4	4.18	106	2.36	60	3.70	94	2.76	70	700	48	2.39	1.08	
AY17863	3/4	19	11.90	10	4.50	114	2.36	60	3.70	94	2.76	70	700	48	3.50	1.59	
AY17864	7/8	22	10.90	9	4.50	114	2.36	60	3.70	94	2.76	70	700	48	3.25	1.47	
AY17865	1 1/8	29	19.30	17	5.02	128	2.36	60	5.91	150	3.19	81	700	48	5.73	2.60	
A 17810	1 3/8	35	31.10	27	5.44	138	2.36	60	5.91	150	3.19	81	700	48	8.13	3.69	
A 17811	1 5/8	41	44.70	39	6.22	158	2.66	68	8.94	227	3.94	100	700	48	12.00	5.44	
AY17868	2 1/8	54	76.30	66	6.54	166	2.66	68	8.94	227	3.94	100	700	48	13.23	6.00	
AY17871	*	2 5/8	67	69.90	60	6.54	166	2.66	68	8.94	227	3.94	100	700	48	14.09	6.39
AY17872	*	3 1/8	79	58.20	50	6.54	166	2.66	68	8.94	227	3.94	100	700	48	14.64	6.64

3 Way Actuated Ball Valve Accessory Components

Part Number	Size	Base Valve	Motor Series	Motor	Hub Kit	Motor and Hub Kit	Enclosure Kit	Heater Assembly	
AY17861	1/2	AU17861	1	P 36408	A 18389	A 18390			
AY17862	5/8	AU17862	1	P 36408	A 18389	A 18390			
AY17863	3/4	AU17863	1	P 36408	A 18391	A 18392			
AY17864	7/8	AU17864	1	P 36408	A 18391	A 18392			
AY17865	1 1/8	AU17865	2	P 36409	A 18393	A 18394	A 18393-KIT2	A 18366	
A 17810	1 3/8	A 17545	2	P 36409	A 18368	A 18396	A 18368-KIT2	A 18366	
A 17811	1 5/8	A 17546	3	P 36410	A 18368	A 18395	A 18368-KIT3	A 18367	
AY17868	2 1/8	AU17868	3	P 36410	A 18368	A 18395	A 18368-KIT3	A 18367	
AY17869	2 5/8	**	AU17869						
AY17870	3 1/8	**	AU17870						
AY17871	2 5/8	*	AU17871	3	P 36410	A 18368	A 18395	A 18368-KIT3	A 18367
AY17872	3 1/8	*	AU17872	3	P 36410	A 18368	A 18395	A 18368-KIT3	A 18367

Chart includes components required for current product line assemblies. Consult factory for questions regarding replacement components in existing systems.

Standard Motor Specifications

Motor Series	Torque (in-lb)	Power Consumption (VA)	Running Time (seconds)
1	44	2.5	90
2	132	3	125
3	310	7	125
4	620	12	125

Tonnage calculations are based on the following conditions:
 Evaporator temperature: 40°
 Vapor temperature exiting evaporator: 10°F superheated
 Liquid temperature entering evaporator: 100°F
 Hot gas temperature: 140°F
 Pressure drop across valve: 1 psig

Part Number	Liquid Capacity (tons)					Suction Capacity (tons)					Hot Gas Capacity (tons)				
	R22	R134a	R404A/ R507	R407C	R410A	R22	R134a	R404A/ R507	R407C	R410A	R22	R134a	R404A/ R507	R407C	R410A
AW17861	19.0	17.7	12.2	18.13	17.8	2.7	2.1	2.2	2.52	3.1	3.9	3.2	3.2	4.05	4.5
AW17862	36.9	34.5	23.8	35.27	34.6	5.2	4.1	4.3	4.90	6.0	7.5	6.2	6.2	7.87	8.7
AW17863	58.0	54.1	37.4	55.40	54.4	8.1	6.4	6.8	7.69	9.5	11.8	9.7	9.7	12.37	13.7
AW17864	84.1	78.4	54.2	80.27	78.8	11.8	9.2	9.8	11.15	13.7	17.1	14.1	14.0	17.92	19.8
AW17865	165.3	154.3	106.5	157.86	154.9	23.2	18.1	19.4	21.92	27.0	33.7	27.7	27.6	35.24	38.9
AW17866	272.9	254.7	175.8	260.62	255.8	38.3	29.9	32.0	36.19	44.6	55.6	45.7	45.6	58.18	64.2
AW17867	348.7	325.3	224.6	332.95	326.8	49.0	38.2	40.8	46.23	57.0	71.1	58.4	58.3	74.33	82.1
AW17868	746.8	696.9	481.2	713.19	699.9	104.9	81.9	87.5	99.03	122.2	152.3	125.0	124.8	159.21	175.8
AW17869	1227.6	1145.5	791.0	1172.30	1150.5	172.4	134.6	143.8	162.78	200.8	250.3	205.5	205.2	261.71	289.0
AW17870	1693.7	1580.4	1091.3	1617.41	1587.4	237.9	185.8	198.4	224.58	277.0	345.3	283.5	283.1	361.08	398.7
AW17871	705.3	658.2	454.5	673.57	661.1	99.1	77.4	82.6	93.53	115.4	143.8	118.1	117.9	150.37	166.0
AW17872	439.3	409.9	283.0	419.50	411.7	61.7	48.2	51.5	58.25	71.9	89.6	73.5	73.4	93.65	103.4
AY17861	12.1	11.3	7.8	11.52	11.3	1.7	1.3	1.4	1.60	2.0	2.5	2.0	2.0	2.57	2.8
AY17862	14.2	13.2	9.1	13.54	13.3	2.0	1.6	1.7	1.88	2.3	2.9	2.4	2.4	3.02	3.3
AY17863	36.4	34.0	23.5	34.79	34.1	5.1	4.0	4.3	4.83	6.0	7.4	6.1	6.1	7.77	8.6
AY17864	33.3	31.1	21.5	31.84	31.2	4.7	3.7	3.9	4.42	5.5	6.8	5.6	5.6	7.11	7.8
AY17865	59.2	55.2	38.1	56.52	55.5	8.3	6.5	6.9	7.85	9.7	12.1	9.9	9.9	12.62	13.9
A 17810	95.1	88.7	61.3	90.81	89.1	13.4	10.4	11.1	12.61	15.6	19.4	15.9	15.9	20.27	22.4
A 17811	136.8	127.7	88.2	130.66	128.2	19.2	15.0	16.0	18.14	22.4	27.9	22.9	22.9	29.17	32.2
AY17868	233.7	218.0	150.6	223.14	219.0	32.8	25.6	27.4	30.98	38.2	47.6	39.1	39.1	49.81	55.0
AY17871	213.9	199.6	137.8	204.22	200.4	30.0	23.5	25.1	28.36	35.0	43.6	35.8	35.7	45.59	50.3
AY17872	178.2	166.2	114.8	170.13	167.0	25.0	19.5	20.9	23.62	29.1	36.3	29.8	29.8	37.98	41.9

- * Reduced Port
- ** Consists of two stacked motors operating in tandem
- *** Actuator Kit includes Motor and Hub
- Prefix AWR Actuator with Spring Return
- Prefix AWS Actuator includes auxillary switch
- Prefix AYS Actuator includes auxillary switch
- Suffix -KIT Weatherproof Enclosure Kit includes ball valve, actuator and hub kit with enclosure
- Warning Heater assembly required for low temperature applications
- Warning Motors not for use in wet or applications where moisture will condense on motor