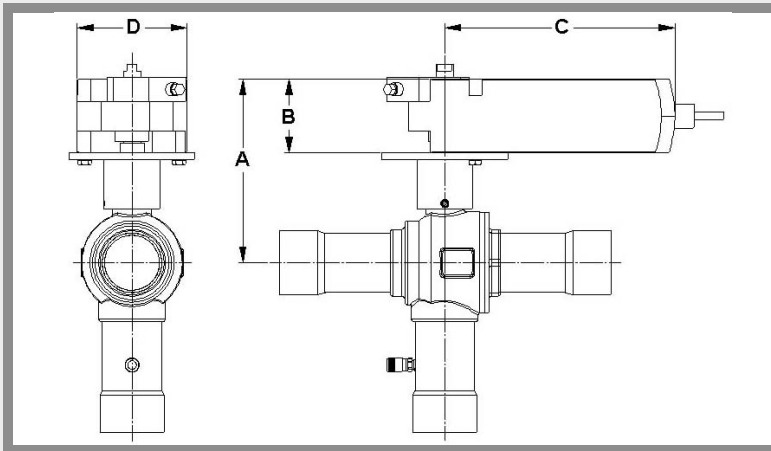


Actuated 3-Way



Features:

- Maximum working pressure (PS): 700 psig, 48 bar
- Power Supply: 24 VAC
- Ambient Temperature: -22°F to 130°F, -30°C to 54°C
- Compatible with all CFC, HCFC and HFC refrigerants and oils
- Full shutoff capability
- Gradual open/close stops line hammer
- Remote operating capability
- Removable actuator for quick change replacement
- Manual override and valve positioning
- Electronic overload protection
- UL/cUL Listed, CE Certified



References:

- * Reduced Port
- ** Consists of two stacked motors operating in tandem
- Prefix AYS Actuator includes auxillary switch
- Warning Heater assembly required for low temperature applications
- Warning Motors not for use in wet or applications where moisture will condense on motor

Part Number	Size		Cv	Kv	A		B		C Min		D		Wt		Motor	Hub Kit	Actuator Kit	Heater
	in	mm			in	mm	in	mm	in	mm	in	mm	lb	kg				
AY17861	1/2	13	3.90	3	4.18	106	2.36	60	3.70	94	2.76	70	0.00	0.00	1	A 18389	A 18390	
AY17862	5/8	16	4.60	4	4.18	106	2.36	60	3.70	94	2.76	70	2.39	1.08	1	A 18389	A 18390	
AY17863	3/4	19	11.90	10	4.50	114	2.36	60	3.70	94	2.76	70	3.50	1.59	1	A 18391	A 18392	
AY17864	7/8	22	10.90	9	4.50	114	2.36	60	3.70	94	2.76	70	3.25	1.47	1	A 18391	A 18392	
AY17865	1 1/8	29	19.30	17	5.02	128	2.36	60	5.91	150	3.19	81	5.73	2.60	2	A 18393	A 18394	A 18366
A 17810	1 3/8	35	31.10	27	5.44	138	2.36	60	5.91	150	3.19	81	8.13	3.69	2	A 18368	A 18396	A 18366
A 17811	1 5/8	41	44.70	39	6.22	158	2.66	68	8.94	227	3.94	100	12.00	5.44	3	A 18368	A 18395	A 18367
AY17868	2 1/8	54	76.30	66	6.54	166	2.66	68	8.94	227	3.94	100	13.23	6.00	3	A 18368	A 18395	A 18367
AY17871 *	2 5/8	67	69.90	60	6.54	166	2.66	68	8.94	227	3.94	100	14.09	6.39	3	A 18368	A 18395	A 18367
AY17872 *	3 1/8	79	58.20	50	6.54	166	2.66	68	8.94	227	3.94	100	14.64	6.64	3	A 18368	A 18395	A 18367

Motor Specifications:

Motor 1

- Running Time: 90 seconds
- Power Consumption: 2.5
- Torque: 44 in-lb

Motor 2

- Running Time: 125 seconds
- Power Consumption: 3.0
- Torque: 132 in-lb

Motor 3

- Running Time: 125 seconds
- Power Consumption: 7.0
- Torque: 310 in-lb

Motor 4

- Running Time: 125 seconds
- Power Consumption: 16.0
- Torque: 620 in-lb



Tonnage calculations are based on the following conditions:

- Evaporator temperature: 10°F
- 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
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