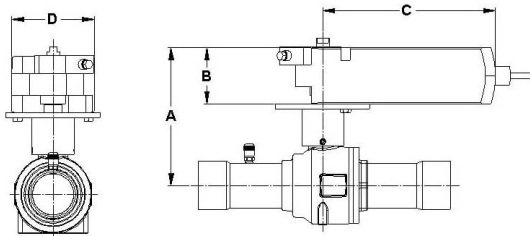




Features:

- Design Pressure (DP) / Maximum abnormal pressure (MAP): Up to 2031 psig, 140 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, Transcritical 140 bar



Part Number	Size		Cv	Kv	A		B		C		D		MAP		Wt	
	in	mm			in	mm	in	mm	in	mm	in	mm	psig	bar	lb	kg
AW17861XHP	1/2	13	6.20	5	4.07	103	2.30	58	3.70	94	3.50	89	2031	140	2.10	0.95
AW17862XHP	5/8	17	12.10	10	4.07	103	2.30	58	3.70	94	3.50	89	2031	140	2.10	0.95
AW17863XHP	3/4	19	19.00	16	4.44	113	2.30	58	3.70	94	3.50	89	2031	140	3.06	1.39
AW17864XHP	7/8	22	27.50	24	4.44	113	2.30	58	3.70	94	3.50	89	2031	140	3.17	1.44
AW17865XHP	1 1/8	29	48.90	42	5.04	128	2.36	60	5.91	150	4.50	114	2031	140	6.48	2.94
AW17866XHP	1 3/8	35	77.60	67	5.30	135	2.36	60	5.91	150	4.50	114	2031	140	7.86	3.57
AW17867XHP	1 5/8	41	96.11	83	5.86	149	2.66	68	8.94	227	4.50	114	2031	140	12.19	5.53

Actuated Transcritical Standard Ball Valve Accessory Components

Part Number	Size	Base Valve	Motor Series	Motor	Hub Kit	Motor and Hub Kit	Enclosure Kit	Heater Assembly
AW17861XHP	1/2	A 18939XHP	1	P 36408	A 18389	A 18390		
AW17862XHP	5/8	A 18940XHP	1	P 36408	A 18389	A 18390		
AW17863XHP	3/4	AC17863XHP	1	P 36408	A 18391	A 18392		
AW17864XHP	7/8	AC17864XHP	1	P 36408	A 18391	A 18392		
AW17865XHP	1 1/8	AC17865XHP	2	P 36409	A 19234	A 19235	A 19234-KIT2	A 18366
AW17866XHP	1 3/8	AC17866XHP	2	P 36409	A 19234	A 19235	A 19234-KIT2	A 18366
AW17867XHP	1 5/8	AC17867XHP	3	P 36410	A 19234	A 19236	A 19234-KIT3	A 18367

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

Actuated Transcritical Spring Return Ball Valve Accessory Components

Part Number	Size	Base Valve	Motor Series	Motor	Hub Kit	Motor and Hub Kit	Enclosure Kit	Heater Assembly
AW17861XHP	1/2	A 18939XHP	1R	P 37907	A 19089	A 19090		
AW17862XHP	5/8	A 18940XHP	1R	P 37907	A 19089	A 19090		
AW17863XHP	3/4	AC17863XHP	2R	P 37908	A 19237	A 19238	A 19252-KIT2	
AW17864XHP	7/8	AC17864XHP	2R	P 37908	A 19237	A 19238	A 19252-KIT2	
AW17865XHP	1 1/8	AC17865XHP	3R	P 37909	A 19234		A 19234-KIT3	A 18366

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

Motor Specifications

Motor Series	Torque (in-lb)	Power Consumption (VA)	Running Time (seconds)
			Powered
1	44	2.5	90
2	132	3	125
3	310	7	125
4	620	12	125
1R	35	3.4	60
2R	62	5	90
3R	160	7	90
4R	200	33	30

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)
	R744	R744	R744
AW17861XHP	13.6	6.8	8.1
AW17862XHP	26	13	16
AW17863XHP	42	21	25
AW17864XHP	60	30	36
AW17865XHP	107	54	64
AW17866XHP	170	85	102
AW17867XHP	211	106	126
AW17861XHP	13.6	6.8	8.1
AW17862XHP	26	13	16
AW17863XHP	42	21	25
AW17864XHP	60	30	36
AW17865XHP	107	54	64