

# PLUMBING

## Solenoid Valves, Cryogenic Valves & Piston Valves

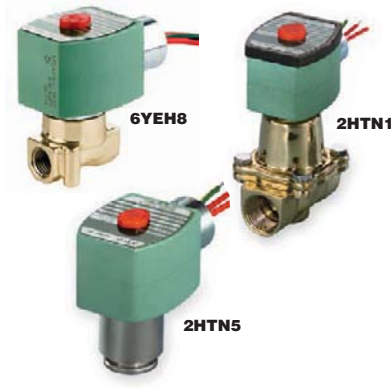
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Details on page A1.



### ASCO Red-Hat<sup>®</sup> 2-Way Normally Closed and Normally Open Steam and Hot Water Solenoid Valves

- Brass body
  - NEMA rating: 1, 2, 3, 3S, 4, 4X
- For high-temperature fluid applications involving steam or hot water. Coil included.

Pipe Size	Orifice Dia.	Coil Insulation Class	Min. Oper. Press. Differential	Max. Oper. Press. Differential	Max. Fluid Temp. Hot Water	Max. Fluid Temp. Steam	Ambient Temp. Range	Voltage	Watts	Mfr. Model	Item No.		
<b>Hot Water Solenoid Valve</b>													
<b>Normally Closed</b>													
3/8 in	3/8 in	3.0	F	0 psi	100 psi	—	210 °F	Not Rated	—	120V AC	10.1 W	8210G093HW	3UL11
3/8 in	3/8 in	3.0	F	5 psi	125 psi	—	210 °F	Not Rated	—	120V AC	6.1 W	8210G001HW	3UK49
3/8 in	3/8 in	4.0	F	0 psi	100 psi	—	210 °F	Not Rated	—	120V AC	10.1 W	8210G094HW	3UL14
1/2 in	3/8 in	4.0	F	5 psi	125 psi	—	210 °F	Not Rated	—	120V AC	6.1 W	8210G002HW	3UK52
3/4 in	3/4 in	5.0	F	0 psi	100 psi	—	210 °F	Not Rated	—	120V AC	10.1 W	8210G095HW	3UL20
3/4 in	3/4 in	5.5	F	5 psi	150 psi	—	210 °F	Not Rated	125 °F	120V AC	6.1 W	8221G005HW	5LU28
<b>Steam and Hot Water Solenoid Valve</b>													
<b>Normally Open</b>													
3/4 in	3/4 in	5.0	H	5 psi	150 psi	125 psi	210 °F	353 °F	125 °F	120V AC	16.1 W	8220G095	4EME4
<b>Normally Closed</b>													
1/4 in	3/32 in	0.52	H	0 psi	210 psi	110 psi	210 °F	344 °F	131 °F	120V AC	10.1 W	8263H300	6YEJ9
1/4 in	3/32 in	0.52	H	0 psi	200 psi	110 psi	210 °F	344 °F	131 °F	120V AC	10.1 W	8263H305	6YEK2
3/8 in	1/2 in	4.4	H	0 psi	100 psi	50 psi	210 °F	300 °F	125 °F	24V DC	15.6 W	8220G402	4NWZ3
3/8 in	1/2 in	4.4	F	5 psi	150 psi	50 psi	210 °F	300 °F	125 °F	120V AC	6.1 W	8220G401	4NWZ1
3/8 in	1/2 in	4.4	H	5 psi	150 psi	125 psi	210 °F	353 °F	140 °F	120V AC	10.1 W	8220G403	4NWZ2
1/2 in	1/2 in	4.7	H	0 psi	150 psi	50 psi	210 °F	300 °F	125 °F	24V DC	15.6 W	8220G405	4NWZ6
1/2 in	1/2 in	4.7	F	5 psi	150 psi	50 psi	210 °F	300 °F	125 °F	120V AC	6.1 W	8220G404	4NWZ4
1/2 in	1/2 in	4.7	H	5 psi	150 psi	125 psi	210 °F	353 °F	140 °F	120V AC	10.1 W	8220G406	4NWZ5
1/2 in	1/2 in	4.7	H	5 psi	150 psi	125 psi	210 °F	353 °F	125 °F	120V AC	10.1 W	SU8220G406	6WTV7
3/4 in	3/4 in	8.8	H	0 psi	150 psi	50 psi	210 °F	300 °F	125 °F	24V DC	15.6 W	8220G408	4NWZ9
3/4 in	3/4 in	8.8	F	5 psi	150 psi	50 psi	210 °F	300 °F	125 °F	120V AC	6.1 W	8220G407	4NWZ7
3/4 in	3/4 in	8.8	H	5 psi	150 psi	125 psi	210 °F	353 °F	140 °F	120V AC	10.1 W	8220G409	4NWZ8
1 in	1 in	11.5	F	5 psi	150 psi	50 psi	210 °F	300 °F	125 °F	120V AC	10.1 W	8220G410	4NXA1
1 in	1 in	11.5	H	5 psi	150 psi	125 psi	210 °F	353 °F	140 °F	120V AC	10.1 W	8220G411	4NXA2
1 1/4 in	1 1/8 in	15.0	F	5 psi	150 psi	50 psi	210 °F	300 °F	125 °F	120V AC	10.1 W	8220G009	5LU31
1 1/4 in	1 1/8 in	15.0	H	5 psi	150 psi	125 psi	210 °F	353 °F	125 °F	120V AC	10.1 W	8220G027	5LU44
1 1/2 in	1 1/4 in	22.5	F	5 psi	150 psi	50 psi	210 °F	300 °F	125 °F	120V AC	10.1 W	8220G011	5LU32
1 1/2 in	1 1/4 in	22.5	H	5 psi	150 psi	125 psi	210 °F	353 °F	125 °F	120V AC	10.1 W	8220G029	5LU45
2 in	1 3/4 in	43.0	F	5 psi	150 psi	50 psi	210 °F	300 °F	125 °F	120V AC	10.1 W	8220G013	5LU33
2 in	1 3/4 in	43.0	H	5 psi	150 psi	125 psi	210 °F	353 °F	125 °F	120V AC	10.1 W	8220G031	5LU46
<b>Steam Solenoid Valve</b>													
<b>Normally Open</b>													
3/2 in	3/2 in	5.1	H	0 psi	—	30 psi	—	280 °F	125 °F	120V AC	16.1 W	8267G011	4EME7
3/2 in	3/2 in	4.5	H	0 psi	—	15 psi	—	250 °F	125 °F	120V AC	16.1 W	8267G015	4EME6
3/4 in	1/2 in	9.7	H	0 psi	—	15 psi	—	250 °F	125 °F	120V AC	16.1 W	8267G023	4EME5
<b>Normally Closed</b>													
1/4 in	3/8 in	1.2	H	1 psi	—	125 psi	—	353 °F	125 °F	120V AC	6.1 W	8222G070	5LU34
1/4 in	3/8 in	2.5	H	1 psi	—	125 psi	—	353 °F	125 °F	120V AC	6.1 W	8222G074	5LU36
3/8 in	3/8 in	3.0	F	0 psi	150 psi	125 psi	210 °F	353 °F	125 °F	120V AC	10.1 W	8222G093	4EME8
3/8 in	3/8 in	2.5	F	1 psi	—	80 psi	—	324 °F	125 °F	120V AC	6.1 W	8222G066	5LU38
3/8 in	3/8 in	2.5	H	1 psi	—	125 psi	—	353 °F	125 °F	120V AC	6.1 W	8222G076	5LU39
1/2 in	3/8 in	4.5	H	0 psi	—	15 psi	—	250 °F	125 °F	120V AC	16.1 W	8267G007	4EMD2
1/2 in	1/2 in	3.6	H	2 psi	—	125 psi	—	353 °F	—	120V AC	10.1 W	8222G047	3UMZ4
1/2 in	3/8 in	4.0	F	0 psi	—	50 psi	—	300 °F	125 °F	120V AC	10.1 W	8222G094	5LU40
1/2 in	3/8 in	4.0	H	0 psi	—	125 psi	—	353 °F	125 °F	120V AC	17.1 W	8222G002	4EMD3
1/2 in	1/2 in	4.6	H	2 psi	—	125 psi	—	353 °F	—	120V AC	10.1 W	8222G049	3UMZ5
1/2 in	1/2 in	4.6	H	5 psi	—	200 psi	—	388 °F	125 °F	120V AC	10.1 W	8222G005	5LU41
3/4 in	1/2 in	9.7	H	0 psi	—	15 psi	—	250 °F	125 °F	120V AC	16.1 W	8267G019	4EMD7
3/4 in	3/4 in	5.0	F	0 psi	—	50 psi	—	300 °F	125 °F	120V AC	10.1 W	8222G095	5LU42
3/4 in	3/4 in	5.0	H	0 psi	—	125 psi	—	353 °F	125 °F	120V AC	17.1 W	8222G003	5LU43



### 2-Way Cryogenic Solenoid Valves

- NEMA rating: 1, 2, 3, 3S, 4, 4X

Normally closed valves are specifically designed to handle cryogenic fluids, including liquid nitrogen, liquid argon, and liquid oxygen. All are degreased, cleaned, tested free of moisture, and blacklight tested for hydrocarbons. Coil included. For use in frozen food and cranial/genetic preservation applications. CSA and CE Certified.



Pipe Size	Seal Material	Orifice Dia.	Cv	Coil Insulation Class	Min. Oper. Press. Differential	Max. Oper. Press. Air, Inert Gas	Max. Oper. Press. Differential Water	Light Oil	Max. Fluid Temp.	Voltage	Mfr. Model	Item No.
<b>Brass Body</b>												
3/8 in	PTFE	3/8 in	0.35	F	0 psi	155 psi	155 psi	155 psi	150 °F	120V AC	8263H240LT	6YEJ4
3/8 in	PTFE	3/8 in	0.35	F	0 psi	155 psi	155 psi	155 psi	150 °F	120V AC	8262H232LT	6YEJ1
3/8 in	PTFE	3/32 in	0.73	F	0 psi	100 psi	100 psi	100 psi	150 °F	120V AC	8262H114LT	6YEH8
1/4 in	PTFE	3/32 in	0.73	H	0 psi	42 psi	42 psi	42 psi	120 °F	24V DC	8262H114LT	6YEH9
1/4 in	PTFE	3/32 in	0.88	F	0 psi	40 psi	40 psi	40 psi	150 °F	120V AC	8262H210LT	6YJ9
1/4 in	NBR	3/32 in	0.88	F	0 psi	18 psi	18 psi	—	150 °F	24V AC	8262H210LT	6ZAK6
3/8 in	PTFE	3/32 in	0.88	F	0 psi	90 psi	—	—	150 °F	120V AC	8263H206LT	6YEJ0
3/8 in	PTFE	3/32 in	0.88	F	0 psi	40 psi	—	—	150 °F	120V AC	8263H125LT	6YEJ2
1/2 in	—	3/8 in	3.8	H	0 psi	90 psi	—	—	150 °F	120V AC	8222G002LT	2HTN1
<b>Nickel-Plated Brass Body</b>												
3/8 in	PTFE	3/4 in	0.06	F	0 psi	1,000 psi	—	—	120 °F	120V AC	8264G009	2HTN5
3/8 in	PTFE	3/32 in	0.2	F	0 psi	300 psi	—	—	120 °F	120V AC	8264G010	2HTN7

### ASCO 2-Way Normally Closed Angle Body Piston Valves

- Max. fluid temp.: 366 °F

Auxiliary-piloted piston valves feature cold-rolled stainless steel shaft, spring-loaded stem seal, and DuPont Viton shaft wiper. Require 120V, 60 Hz solenoid valve. Designed to handle water, light slurries, and steam.



Pipe Size	Orifice Dia.	Cv	Max. Oper. Press. Water	Max. Oper. Press. Differential Steam	Min. Pilot Pressure	Max. Pilot Pressure	Mfr. Model	Item No.
<b>Bronze Body</b>								
1/2 in	1/2 in	5.7	240 psi	150 psi	38 psi	150 psi	8290R002	4ELY7
1/2 in	1/2 in	5.7	240 psi	150 psi	60 psi	150 psi	8290A384	2HTR7
3/4 in	3/4 in	11	150 psi	150 psi	60 psi	150 psi	8290A385	2HTR6
3/4 in	3/4 in	11	240 psi	150 psi	60 psi	150 psi	8290B005	1WG91
1 in	1 in	15	90 psi	90 psi	60 psi	150 psi	8290A386	2HTT1
1 in	1 in	19	150 psi	150 psi	60 psi	150 psi	8290B010	1WG92
1 1/4 in	1 1/4 in	32	90 psi	90 psi	60 psi	150 psi	8290A016	4ELX9
1 1/4 in	1 1/4 in	32	180 psi	150 psi	60 psi	150 psi	8290A017	3UK37
1 1/2 in	1 1/2 in	52	60 psi	60 psi	60 psi	150 psi	8290A020	4ELY1
1 1/2 in	1 1/2 in	52	120 psi	120 psi	60 psi	150 psi	8290A021	3UK38
2 in	2 in	68	40 psi	40 psi	60 psi	150 psi	8290A024	4ELY2
2 in	2 in	68	90 psi	90 psi	60 psi	150 psi	8290A025	3UK36
<b>316L Stainless Steel Body</b>								
3/8 in	3/8 in	2.3	240 psi	150 psi	60 psi	150 psi	8290A791	2HTR8
3/8 in	3/8 in	4.1	180 psi	150 psi	60 psi	150 psi	8290A792	2HTR9
1/2 in	1/2 in	5.7	240 psi	150 psi	38 psi	150 psi	8290B045	4ELY8
1/2 in	1/2 in	5.7	240 psi	150 psi	60 psi	150 psi	8290A393	4ELY5
3/4 in	3/4 in	7.6	90 psi	90 psi	60 psi	150 psi	8290A793	2HTT2
3/4 in	3/4 in	11	240 psi	150 psi	60 psi	150 psi	8290B048	4ELY9
1 in	1 in	15	90 psi	90 psi	60 psi	150 psi	8290A395	4ELY6
1 in	1 in	19	150 psi	150 psi	60 psi	150 psi	8290B053	4ELZ1
1 1/2 in	1 1/2 in	52	120 psi	120 psi	60 psi	150 psi	8290A064	4ELY3
2 in	2 in	68	90 psi	90 psi	60 psi	150 psi	8290A068	4ELY4