3-Way

- Three-way (3/2) Next Generation solenoid valves have three ports and two orifices. When one orifice is open, the other is closed.
- Control of air, water, light oil, and other non-corrosive media.
- Normally closed (pressure to cylinder port when energized) operation.
- Normally open (cylinder port exhausts when energized) operation.
- Universal operation (can function as normally open, normally closed, diverter of fluid flow, or selector of 2 fluid sources configurable by piping).
- Pipe sizes – 1/4 to 3/4 inch.

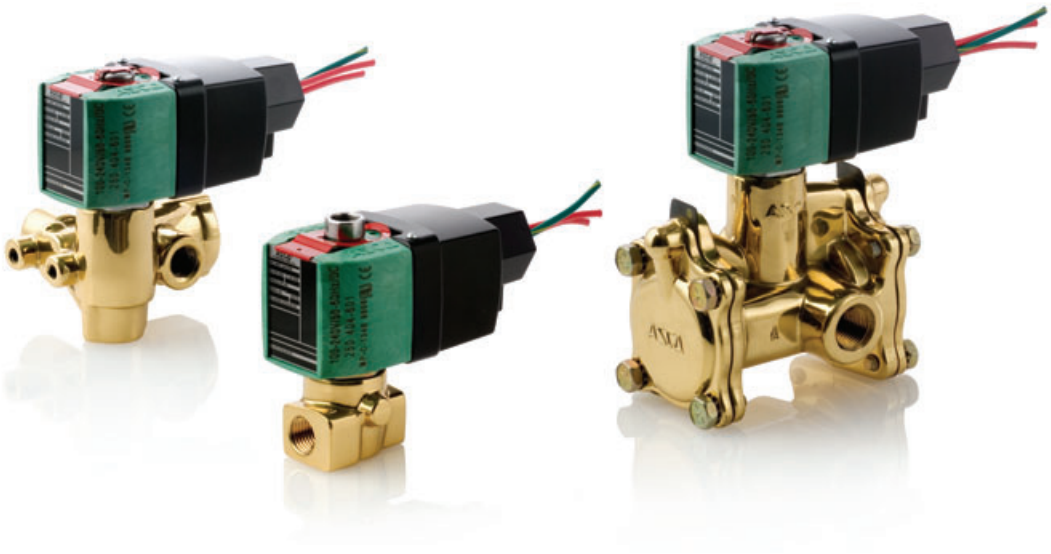


Specifications

Pipe Size (ins.)	Orifice Dia. (ins.)	Cv Flow	Operating Pressure Differential (psi) Min.	Max. AC/DC Air-Inert Gas	Max. AC/DC Water	Max. AC/DC Light Oil	Max. Fluid Temp. ˚F	Brass	Const. Ref.	Agency UL	Stainless Steel	Const. Ref.	Agency UL	Wattage AC/DC	Approx. Shipping Weight (lbs.)
General Service - Normally Closed															
1/4	3/32 ③	0.17 ③	0	205	205	205	180	8314P035	1	●	8314P121	1	●	2	2.6
1/4	1/8	0.27	0	145	145	145	180	8314P036	1	●	-	-	-	2	2.6
1/4	5/64	0.12	0	232	232	232	180	8320P182	2	●	-	-	-	2	2.5
1/4	7/64	0.23	0	150	150	150	180	8320P184	2	●	-	-	-	2	2.5
1/4	5/32	0.35	0	75	75	75	180	8320P186	2	●	-	-	-	2	2.5
1/4	3/32 ①	0.20 ①	5 ④	150	150	100	180	8317P035	3	●	-	-	-	2	2.7
1/4	9/32 ②	0.80 ②	10	200	200	200	180	8321P001	4	●	-	-	-	2	3.8
3/8	9/32 ②	0.80 ②	10	200	200	200	180	8321P002	4	●	-	-	-	2	3.8
3/8	5/8	2.5	10	250	250	-	180	8316P054	5	●	-	-	-	2	4.9
1/2	5/8	3.2	10	250	250	-	180	8316P064	5	●	-	-	-	2	4.9
3/4	11/16	4.8	10	250	250	-	180	8316P074	6	●	-	-	-	2	5.1
General Service - Normally Open															
1/4	5/64	0.12	0	210	210	210	180	8320P192	2	●	-	-	-	2	2.5
1/4	7/64	0.23	0	150	150	150	180	8320P194	2	●	-	-	-	2	2.5
General Service - Universal Operation															
1/4	5/64	0.12	0	116	116	116	180	8320P172	2	●	-	-	-	2	2.5
1/4	7/64	0.23	0	60	60	60	180	8320P174	2	●	-	-	-	2	2.5
1/4	5/32	0.35	0	35	35	35	180	8320P176	2	●	-	-	-	2	2.5

● = General Purpose Valve. ① 1/4" exhaust orifice with 0.73 Cv flow; ② 11/32" exhaust orifice with 1.20 Cv flow; ③ 3/32" exhaust orifice with 0.27 Cv flow.
④ 10 psi minimum for light oils.

Standard: Watertight, Types 1, 2, 3, 3S, 4, and 4X.
Optional: Class I, Division 2 for Hazardous Locations and Watertight, Types 3, 3S, 4, 4X. (To order, add prefix "EE" to catalog number.)



Optional Features Chart

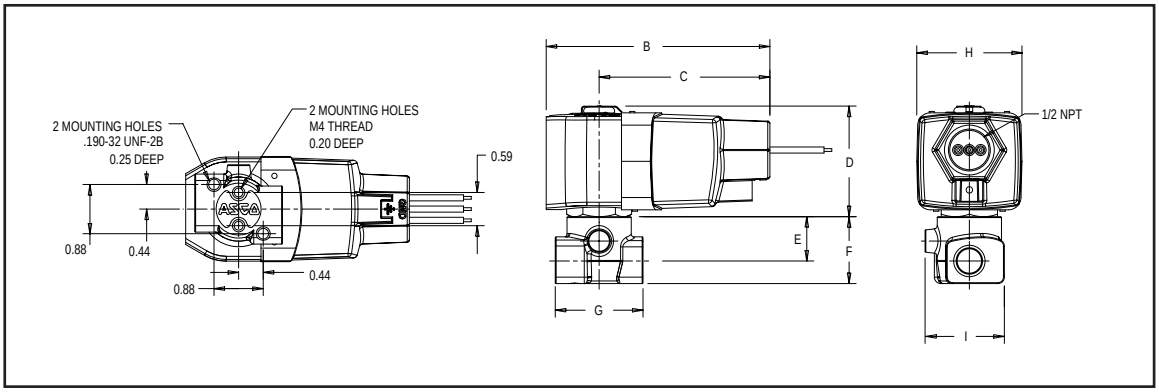
Pipe Size (ins.)	Orifice Dia. (ins.)	Base Catalog Number		Resilient Materials								Other		Standard Rebuild Kit	
		Brass	Stainless Steel	NBR	FKM	EPDM	Neoprene	Oxygen Service	PTFE ①	Urethane	Vacuum	Manual Operator ③	Mounting Bracket	Brass AC/DC	Stainless Steel AC/DC
1/4	5/64	8320P182	-	●	V	E	J	N	T	-	-	MO/MS	MB	322722	-
1/4	5/64	8320P192	-	●	V	E	J	N	T	-	-	MO/MS ④	MB	322723	-
1/4	5/64	8320P172	-	●	V	E	J	N	T	-	-	MO/MS ④	MB	322721	-
1/4	3/32	8314P035	8314P121	● ②	V	E	-	N	-	-	-	MS	MB	322864	322872
1/4	3/32	8317P035	-	● ②	V	-	-	N	-	-	-	-	-	322919	-
1/4	7/64	8320P184	-	●	V	E	J	N	T	-	-	MO/MS	MB	322722	-
1/4	7/64	8320P194	-	●	V	E	J	N	T	-	-	MO/MS ④	MB	322723	-
1/4	7/64	8320P174	-	●	V	E	J	N	T	-	-	MO/MS ④	MB	322721	-
1/4	1/8	8314P036	-	● ②	V	E	-	N	-	-	-	MS	MB	322864	-
1/4	5/32	8320P186	-	●	V	E	J	N	T	-	-	MO/MS	MB	322722	-
1/4	5/32	8320P176	-	●	V	E	J	N	T	-	-	MO/MS ④	MB	322721	-
1/4	9/32	8321P001	-	●	V	E	-	-	-	-	-	MO/MS	-	322688	-
3/8	9/32	8321P002	-	●	V	E	-	-	-	-	-	MO/MS	-	322688	-
3/8	5/8	8316P054	-	●	V	E	J	N	-	-	-	MO	MB	322690	-
1/2	5/8	8316P064	-	●	V	E	J	N	-	-	-	MO	MB	322690	-
3/4	11/16	8316P074	-	●	V	E	J	N	-	-	-	MO	MB	322692	-

● = Standard. Other options may be available. All option combinations may not be available. Please consult your local ASCO contact.
① Pressure rating reduced by 25%; ② Upper disc is FKM; ③ Not available with PTFE resilient materials. ④ Pressure rating limited to 100 psi for MO constructions.

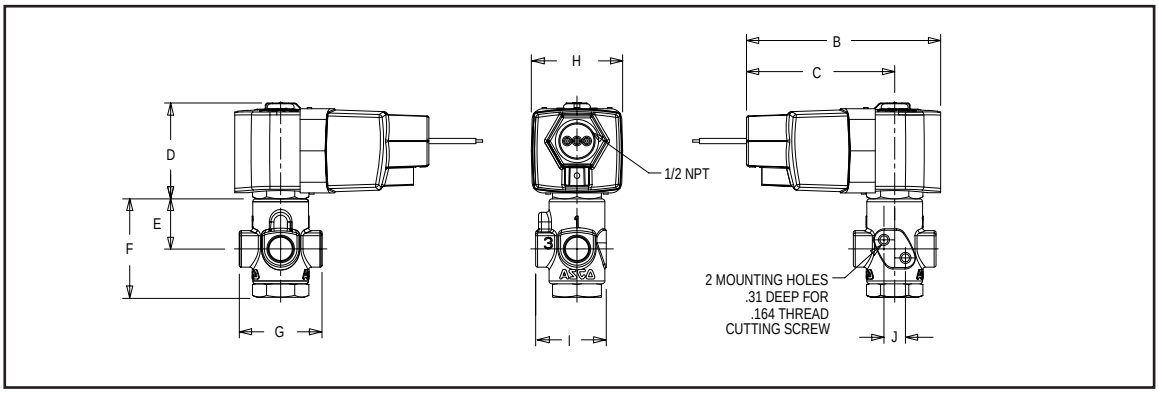
Dimensions: inches

Const. Ref.	B	C	D	E	F	G	H	I	J
1	4.00	3.04	2.09	0.79	1.19	1.56	1.87	1.41	-
2	4.00	3.04	1.97	1.02	2.02	1.69	1.87	1.45	
3	4.00	3.04	1.97	0.57	1.07	2.00	1.87	2.05	-
4	4.00	3.04	1.97	1.00	2.03	1.31	1.87	3.12	
5	4.00	3.04	1.97	2.12	3.77	2.76	1.87	4.29	-
6	4.00	3.04	1.97	2.50	4.19	-	1.87	3.38	-

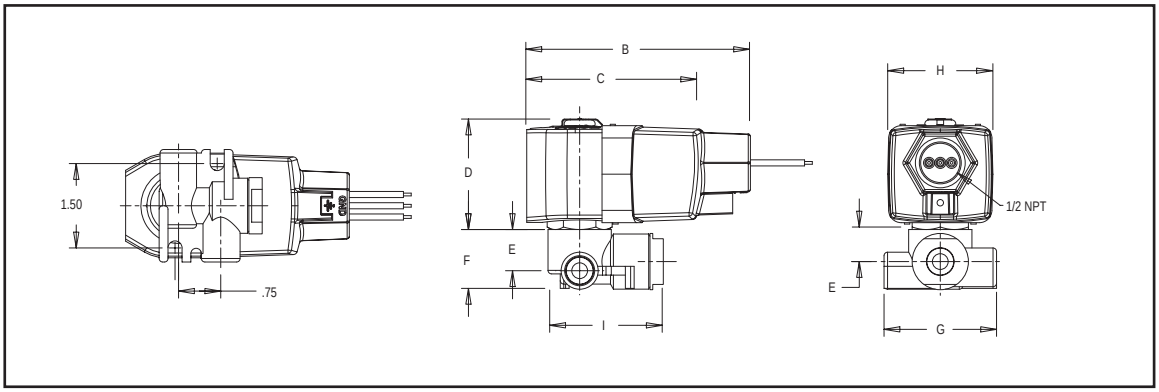
Const. Ref.1



Const. Ref. 2

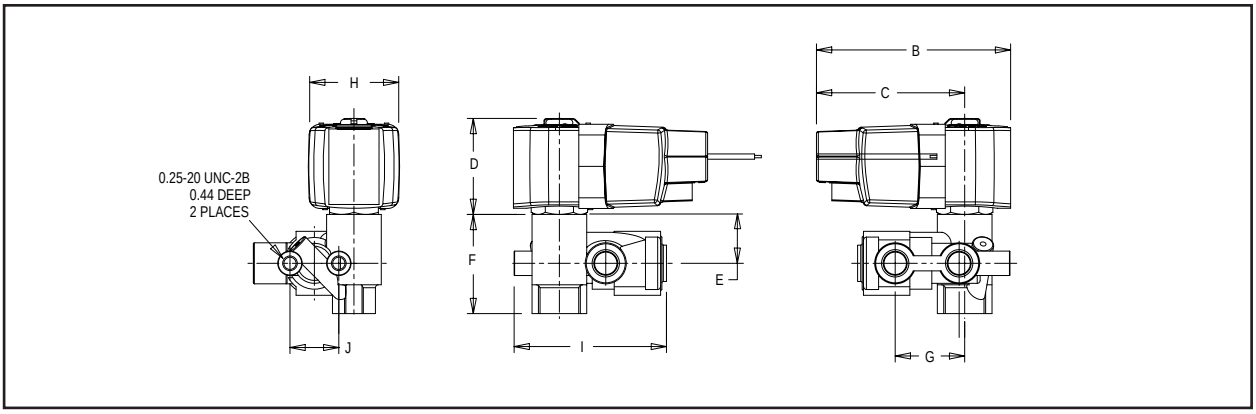


Const. Ref. 3

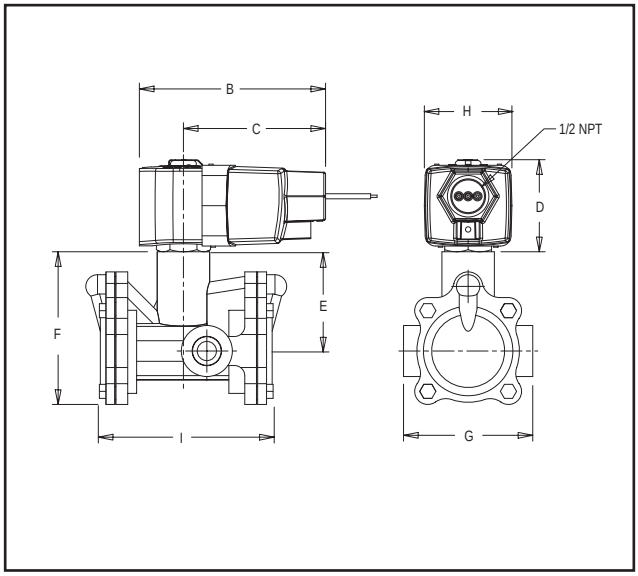


Dimensions: inches

Const. Ref. 4



Const. Ref. 5



Const. Ref. 6

