

4-Way Features

- Four-way, four port (4/2) and five port (5/2) Next Generation solenoid valves have one pressure port, 2 cylinder ports, and either 1 or 2 exhaust ports
- Control of air, water, light oil, and non-corrosive media
- Single solenoid operation (pressure and exhaust ports and cylinder ports alternate connection based on solenoid operation)
- Pipe sizes – 1/4 to 1 inch

4-Way Specifications (English units)

Pipe Size (in)	Orifice Dia. (in)	Cv Flow		Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Brass	Const. Ref.	Agency	316L Stainless Steel	Const. Ref.	Agency	Wattage	
				Min.	Max.										DC	AC/DC
		Pressure	Exhaust		Air-Inert Gas	Water	Light Oil @ 300 SSU				UL			UL		
General Service - Single Solenoid																
1/4	1/16 ②	0.09	0.09	10	150	150	150 ③	180	8345P001	1	●	-	-	-	1.2 ⑤	1.5 ⑥
1/4	1/4	0.8	1.0	10 ①	250	250	250	180	8344P070	2	●	-	-	-		
3/8	3/8	1.4	2.2	10 ①	250	250	250	180	8344P072	3	●	-	-	-		
1/2	3/8	1.4	2.2	10 ①	250	250	250	180	8344P074	3	●	-	-	-		
3/4	3/4	5.2	5.6	10 ①	250	250	250	180	8344P076	4	●	-	-	-		
1	3/4	5.2	5.6	10 ①	250	250	250	180	8344P078	4	●	-	-	-		
General Service - 4/2 Dual Solenoid																
3/8	3/8	1.4	2.2	10 ①	300	300	200	180	8344P080	5	●	-	-	-	1.2 ⑤	1.5 ⑥
NAMUR Mount - 3/2, 5/2 Single Solenoid																
1/4	1/4	0.86	0.86	30	150	-	-	180	EE8551P401 ④	6	●	-	6	●	1.2 ⑤	1.5 ⑥
1/4	1/4	0.86	0.86	30	150	-	-	180	EE8551P403	6	●	EE8551P409	6	●	1.2 ⑤	1.5 ⑥
● = General Purpose Valve. ① 25 psi minimum for light oils. ② 3/32" exhaust orifice. ③ Viscosity 50 SSU max. ④ Aluminum body. ⑤ 12-24V DC. ⑥ 24-120V AC/DC, 100-240V AC/DC.																

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4-Way Specifications (Metric units)

Pipe Size Size (in)	Orifice Dia. (mm)	Kv Flow Factor (m³/h)		Operating Pressure Differential (bar)				Max. Fluid Temp. °C	Brass	Const. Ref.	Agency UL	316L Stainless Steel	Const. Ref.	Agency UL	Wattage	
				Min.	Max.										DC	AC/DC
		Air-Inert Gas	Water		Light Oil @ 300 SSU											
General Service - Single Solenoid																
1/4	1.5 ②	0.07	0.07	0.7	10	10	10 ③	82	8345P001	1	●	-	-	-	1.2 ⑤	1.5 ⑥
1/4	6.3	0.7	0.86	0.7 ①	17	17	17	82	8344P070	2	●	-	-	-		
3/8	9.5	1.2	2	0.7 ①	17	17	17	82	8344P072	3	●	-	-	-		
1/2	9.5	1.2	2	0.7 ①	17	17	17	82	8344P074	3	●	-	-	-		
3/4	19	4.5	4.8	0.7 ①	17	17	17	82	8344P076	4	●	-	-	-		
1	19	4.5	4.8	0.7 ①	17	17	17	82	8344P078	4	●	-	-	-		
General Service - 4/2 Dual Solenoid																
3/8	9.5	1.2	1.9	①	21	21	14	82	8344P080	5	●	-	-	-	1.2 ⑤	1.5 ⑥
NAMUR Mount - 3/2, 5/2 Single Solenoid																
1/4	6.3	0.74	0.74	2.1	10.3	-	-	82	EE8551P401④	6	●	-	-	-	1.2 ⑤	1.5 ⑥
1/4	6.3	0.74	0.74	2.1	10.3	-	-	82	EE8551P403	6	●	EE8551P409	6	●	1.2 ⑤	1.5 ⑥
● = General Purpose Valve. ① 25 psi minimum for light oils. ② 3/32" exhaust orifice. ③ Viscosity 50 SSU max. ④ Aluminum body. ⑤ 12-24V DC. ⑥ 24-120V AC/DC, 100-240V AC/DC																

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Important

A Minimum Operating Pressure Differential must be maintained between the pressure and exhaust ports. Supply and exhaust piping must be full area, unrestricted. ASCO flow controls and other similar components must be installed in the cylinder lines only.

Refer to Engineering Section for details.

4-Way Optional Features Chart

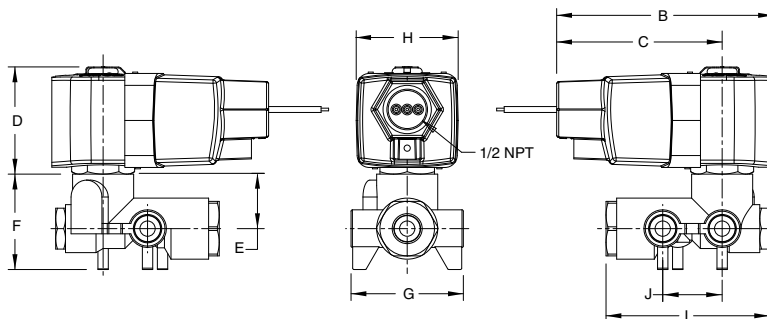
Pipe Size (in)	Orifice Dia. (in)	Base Catalog Number		Resilient Materials and Suffix Options								Other		Standard Rebuild Kit
		Brass	Stainless Steel	NBR	FKM	EPDM	CR	Oxygen Service	PTFE	Urethane	Vacuum	Manual Operator	Mounting Bracket	Brass
1/4	1/16	8345P001	-	●	V	-	-	-	-	-	-	MO	-	322925
1/4	1/4	EE8551P401*	-	●	-	-	-	-	-	-	-	MH/MS	-	-
1/4	1/4	EE8551P403	EE8551P409	●	-	-	-	-	-	-	-	MH/MS	-	-
1/4	1/4	8344P070	-	●	V	-	-	-	-	-	-	MO	-	322696
3/4	3/4	8344P080	-	●	V	-	-	-	-	-	-	MO	-	322700
3/8	3/8	8344P072	-	●	V	-	-	-	-	-	-	MO	-	322697
1/2	3/8	8344P074	-	●	V	-	-	-	-	-	-	MO	-	322697
3/4	3/4	8344P076	-	●	V	-	-	-	-	-	-	MO	-	322698
1	3/4	8344P078	-	●	V	-	-	-	-	-	-	MO	-	322698
● = Standard. * Aluminum body.														

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Dimensions: inches (mm)

Const. Ref.		B	C	D	E	F	G	H	I	J	K	Exhaust Pipe Size
1	in	3.98	3.04	2.0	1.12	2.08	2.94	1.87	4.82	1.03	1.41	3/8
	mm	101	77	51	28	53	75	48	122	26	112	
2	in	3.98	3.04	2.09	1.00	1.75	2.06	1.87	3.00	1.09	-	1/4
	mm	101	77	53	25	44	52	35	76	28	-	
3	in	3.98	3.04	2.0	0.94	2.06	3.18	1.87	6.05	1.50	1.86	1/2
	mm	101	77	51	24	52	81	48	154	38	47	
4	in	3.98	3.04	2.0	1.31	2.86	4.12	1.87	8.25	2.10	2.12	1
	mm	101	77	51	33	73	105	48	210	53	54	

Const. Ref. 1



Const. Ref. 2

