

# **Quick Exhaust Solenoid Valves**

Brass or Stainless Steel Bodies 1/4" and 3/8" NPT

#### **Features**

- Designed for quick venting to 0 psi through the exhaust orifice
- Resilient seated poppets for tight shutoff
- Air is exhausted to quickly shift control valves
- Multi-industry applications
- Mountable in any position

#### Construction

Valve Parts in Contact with Fluids											
Body	Brass	304 Stainless Steel									
Seals and Disc	NBR (PA upper disc for 8317 Series)										
Diaphragm	CR (8317 Series only)										
Core Tube	305 Stainless Steel										
Core and Plugnut	430F Stainless Steel										
Core Springs	302 Stainless Steel and 17-7 PH Stainless Steel										
Shading Coil	Copper	Silver									
Pilot Seat Cartridge and Disc-Holder	CA (8321 Series only)										
Piston	Brass and 303 Stair	nless Steel (8321 only)									

#### **Electrical**

Standard	Wa		g and Pov Imption	wer	Spare Coil Part Number					
Coil and		AC General Purpose				Explosionproo				
Class of	DC		VA	VA						
Insulation	Watts	Watts	Holding	Inrush	AC	DC	AC	DC		
F	10.6	6.1	16	30	238210	238310	238214	238314		
F	11.6	10.1	25	50	238610	238710	238614	238714		

Standard Voltages: 24, 120, 240, 480 volts AC, 60 Hz (or 110, 220 volts AC, 50 Hz). 6, 12, 24, 120, 240 volts DC. Must be specified when ordering. Other voltages available when required.

#### Solenoid Enclosures

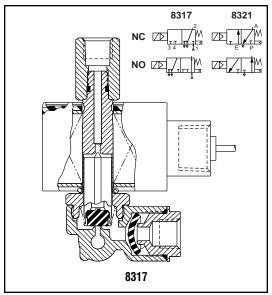
Standard: Watertight, Types 1, 2, 3, 3S, 4, and 4X.

Optional: Explosionproof and Watertight, Types 3, 3S, 4, 4X, 6, 6P, 7, and 9.

(To order, add prefix "EF" to the catalog number.)

See Optional Features Section for other available options.





## Nominal Ambient Temp. Ranges

AC: 32°F to 125°F (0°C to 52°C) DC: 32°F to 104°F (0°C to 40°C)

Refer to Engineering Section for details.

### **Approvals**

CSA certified. UL listed General Purpose Valves. Meets applicable CE directives.

Refer to Engineering Section for details.

#### **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.





## **Specifications (English units)**

	Orifice Cv Size Flow		Operating Pressure Differential (psi)						Max. Fluid		Brass Body		Stainless Steel Body		Watt Rating/ Class of Coil				
Pipe	(ins	s.)	Fact	tor		Max	. AC		I	Max. D	C	Tem	p. °F					Insula	tion ③
Size	Press.	Exh.	Press.	Exh.	Min. ①	Air-Inert Gas		Lt. Oil ① @45 SSU	Air-Inert Gas		Lt. 0il ① @45 SSU	AC	DC	Catalog Number	Const. Ref.	Catalog Number	Const. Ref.	AC	DC
NORMALLY CLOSED (Pressure at Port 2) / NORMALLY OPEN (Pressure at Port 3)																			
1/4	3/32	1/4	.20	.73	5 ②	80	50	50	40	30	15	180	104	8317G007	2	8317G008	4	10.1/F	11.6/F
NORM	ALLY CL	OSED	(Closed	when	de-ener	gized)			<u>'</u>	•						<u> </u>	•		
1/4	3/32	1/4	.20	.73	5 ②	150	150	95	75	55	30	180	104	8317G035	2	8317G036	4	10.1/F	11.6/F
1/4	9/32	11/32	.80	1.2	10	200	200	200	200	200	200	180	120	8321G001	3	-	-	6.1/F	10.6/F
3/8	9/32	11/32	.80	1.2	10	200	200	200	200	200	200	180	120	8321G002	3	-	-	6.1/F	10.6/F
NORMA	LLY CL	OSED (	Closed	when	de-ener	jized), Air	Only -	Vents to A	tmospher	e							•		
1/4	3/32	1/4	.20	.73	5	150	-	-	-	-	-	180	-	8317G023	1	8317G024	5	10.1/F	-
NORMA	ALLY OP	EN (Op	en whe	n de-e	energized	i)				•					•				
1/4	3/32	1/4	.15	.73	5 ②	160	160	95	75	45	25	180	104	8317G053	2	8317G054	4	10.1/F	11.6/F
1/4	9/32	11/32	.80	1.2	10	200	200	200	200	200	200	180	120	8321G003	3	-	-	6.1/F	10.6/F
3/8	9/32	11/32	.80	1.2	10	200	200	200	200	200	200	180	120	8321G004	3	-	-	6.1/F	10.6/F
								Minimun 8.1 watts		g Press	ure Differe	ntial o	n ligh	t oil is 10 psi.	•				•

## **Specifications (Metric units)**

Orifice Kv Flow Size Factor		Operating Pressure Differential (bar)							Max. Fluid		Brass Body		Stainless Steel Body		Watt Rating/ Class of Coil														
Pipe	(mr	n)	(m3	/h)		Max	c. AC			Max. D	С	Tem	p.°C					Insula	tion ③										
Size	Press.	Exh.	Press.	Exh.	Min. ①	Air-Inert Gas	Water	Lt. Oil ① @45 SSU	Air-Inert Gas	Water	Lt. Oil ① @45 SSU	AC	DC	Catalog Number	Const. Ref.	Catalog Number	Const. Ref.	AC	DC										
NORM	NORMALLY CLOSED (Pressure at Port 2) / NORMALLY OPEN (Pressure at Port 3)																												
1/4	2	6	.17	.63	.3 ②	6	3	3	2.7	2	1	82	40	8317G007	2	8317G008	4	10.1/F	11.6/F										
NORM	ALLY CL	OSED	(Closed	whe	n de-ene	rgized)				•							<u>'</u>		•										
1/4	2	6	.17	.63	.3 ②	10	7	7	5	4	2	82	40	8317G035	2	8317G036	4	10.1/F	11.6/F										
1/4	7	9	.69	1.0	.7	14	14	14	14	14	14	82	49	8321G001	3	-	-	6.1/F	10.6/F										
3/8	7	9	.69	1.0	.7	14	14	14	14	14	14	82	49	8321G002	3	-	-	6.1/F	10.6/F										
NORM	ALLY CL	OSED	(Closed	whe	n de-ene	rgized), A	ir Only -	Vents to At	mosphere																				
1/4	2	6	.17	.63	.3	10	-	-	-	-	-	82	-	8317G023	1	8317G024	5	10.1/F	-										
NORM	ALLY OP	EN (O	pen who	en de	energize	ed)																							
1/4	2	6	.13	.63	.3 ②	11	11	7	5	3	2	82	40	8317G053	2	8317G054	4	10.1/F	11.6/F										
1/4	7	9	.69	1.0	.7	14	14	14	14	14	14	82	49	8321G003	3	-	-	6.1/F	10.6/F										
3/8	7	9	.69	1.0	.7	14	14	14	14	14	14	82	49	8321G004	3	-	-	6.1/F	10.6/F										
									Operating	Pressu	re Differentia	l on I	ight o	oil is .7 bar.	,			Patting for 8321 valves established with 300 SSU light oil. @ Minimum Operating Pressure Differential on light oil is .7 bar.											

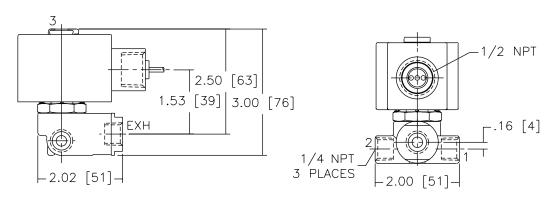
 $<sup>\ \ \,</sup>$  On 50 hertz service, the watt rating for the 6.1/F solenoid is 8.1 watts.

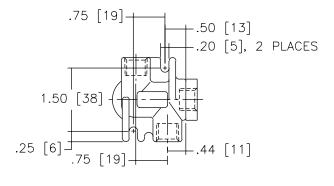


## **Dimensions: inches (mm)**

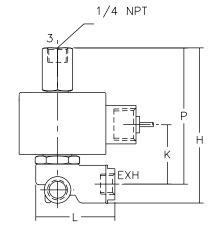
Const. Ref.		Н	K	L	Р	W
2	ins.	4.04	1.55	2.05	3.54	2.00
	mm	103	39	52	90	51
4	ins.	4.02	1.53	2.02	3.52	2.00
-	mm	102	39	51	89	51

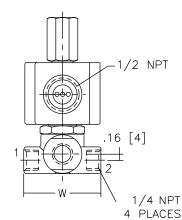
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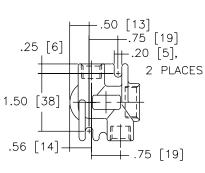




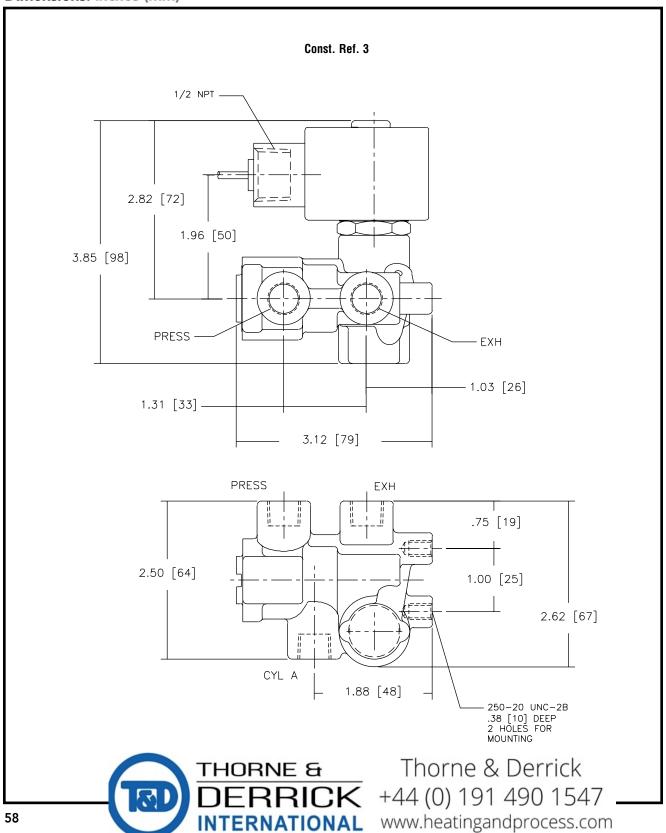
Const. Ref. 2, 4







## **Dimensions: inches (mm)**



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