

Direct Mount Pilot Valves

Brass or Stainless Steel Bodies 1/4" NPT

Features

- NAMUR direct mount version of the rugged, dependable 8342 Series valves
- Direct acting, high flow slide-style valve
- No Minimum Operating Pressure Differential required to shift valve
- Available with single or dual solenoid operation
- Mechanical detent on dual solenoids holds last position, even after loss of electric power, pneumatics, or pressure

Construction

Valve Parts in Contact with Fluids						
Body	Brass	303 Stainless Steel				
Seals and Discs	NBR and FKM					
Core Tube	305 Stainless Steel					
Core and Plugnut	430F Stainless Steel					
Springs	302 Stainless Steel					
Shading Coil	Copper					
Sleeve	PA					
Seats	PT	FE				

Electrical

Standard	Watt Rating and Power Consumption			Spare Coil Part Number		
Coil and		AC		General Purpose	Explosionproof	
Class of Insulation	Watts	VA Holding	VA Inrush	AC	AC	
F	20.1	35	115	272610	272614	
F	16.1	45	140	272610	272614	

Standard Voltages: 24, 120, 240, 480 volts AC, 60 Hz (or 110, 220 volts AC, 50 Hz). Must be specified when ordering. Other voltages, except combinations 120/60 and 110/50, are available when required.

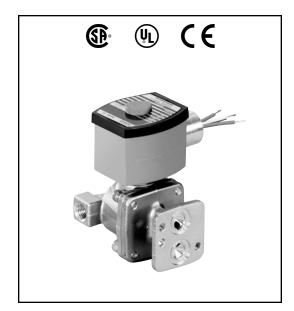
Solenoid Enclosures

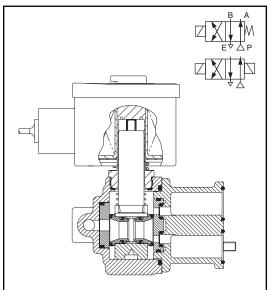
Standard: Watertight, Types 1, 2, 3, 3S, 4, and 4X.

 $\textbf{Optional:} \ \textbf{Explosion} \textbf{proof} \ \textbf{and} \ \textbf{Watertight}, \ \textbf{Types} \ \textbf{3}, \ \textbf{3S}, \ \textbf{4}, \ \textbf{4X}, \ \textbf{6}, \ \textbf{6P}, \ \textbf{7}, \ \textbf{and} \ \textbf{9}.$

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

See Optional Features Section for other available options.





Nominal Ambient Temp. Ranges

 $32^{\circ}F$ to $125^{\circ}F$ (0°C to $52^{\circ}C)$

Refer to Engineering Section for details.

Approvals

General Purpose Solenoid:

UL recognized component, CSA certified.

Explosionproof Solenoid: (EF Brass, EV S.S)

UL listed solenoid.

CSA certified for use in hazardous Locations.

Meets applicable CE directives.

Refer to Engineering Section for details.

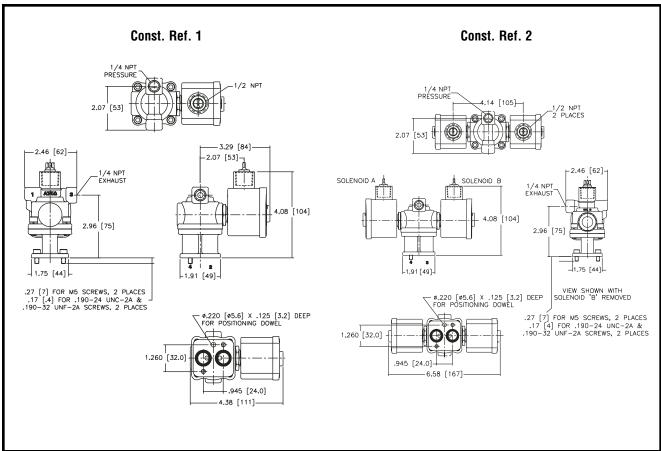
Specifications (English units)

Pipe Size	Orifice Size	Cv Flow Factor	Cv Flow Factor	Maximum Operating Pressure	Maximum Fluid Temperature	Brass Body	Stainless Steel Body	Const.	Watt Rating/ Class of Coil Insulation	
(in)	(in)	Ports 1-2	Ports 2-3	Differential (psi)	Range °F	Catalog Number	Catalog Number	Ref.	AC	
SINGLE SOLENOID										
1/4	3/16	.7	.5	125	160	8342G501	8342G511	1	20.1/F	
DUAL SOLENOID										
1/4	3/16	.7	.5	125	160	8342G502	8342G512	2	16.1/F	

Specifications (Metric units)

Pipe Size (in)	Orifice Size (mm)	Kv Flow Factor Ports 1-2 (m³/h)	Kv Flow Factor Ports 2-3 (m ³ /h)	Maximum Operating Pressure Differential (bar)	Maximum Fluid Temperature Range °C	Brass Body Catalog Number	Stainless Steel Body Catalog Number	Const. Ref.	Watt Rating/ Class of Coil Insulation AC	
SINGLE SOLENOID										
1/4	5	.60	.43	9	71	8342G501	8342G511	1	20.1/F	
DUAL SOLENOID										
1/4	5	.60	.43	9	71	8342G502	8342G512	2	16.1/F	

Dimensions inches (mm)



VALVE AUTOMATION