



Valve Monitoring Systems

3-Way Normally Closed Pilot Valves

for assembly to VMS boxes

3/2
SERIES
8355

Features

- Explosionproof, Type 4 & 4X Low Power and Intrinsically Safe solenoids
- Poppet design provides durability and reliability in a wide range of ambient temperatures
- Nickel plated brass, or 316 stainless steel bodies designed for harsh process conditions
- High efficiency, low wattage coils at 0.5w
- 1/4" NPT inline connection
- Cv factor of 0.9
- Easy positioning with adjustable stainless steel conduit coupler

Construction

Part	Material
Body	Nickel Plated Brass, 316 Stainless Steel
Solenoid Enclosure	Ryton™ (Polyphenylene Sulfide)
Seals and Disc	Buna "N"

Electrical

	120/60 AC	DC		IS 24VDC
		12V ①	24V ①	
Nominal Watt Rating	2.0w	.5w	.5w	.5w
Operating Current	25.3mA	30mA	15mA	29mA

① 12V compatible with DeviceNet, 24V compatible with AS-i
See next page for IS Entity Parameters.

Ambient Temperatures

-4°F to 158°F (-20°C to 70°C)

Solenoid Enclosures

Enclosure Option Code

EE - Div. 1 with 3/4" MNPT connector

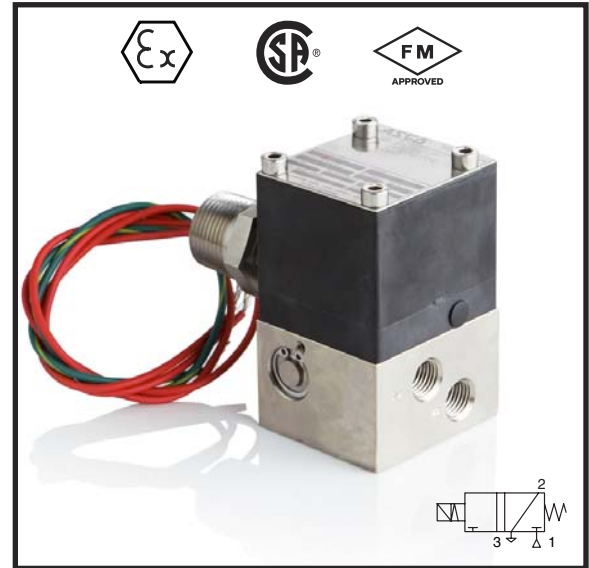
AS - Intrinsically Safe with 3/4" MNPT connector

Voltage Codes

AG - 120/60

D1 - 12/DC

D2 - 24/DC



Ratings and Approvals

EE - Class I, Div. 1, Groups A,B,C, & D Class II, Div. 1, Groups E,F, & G Non-incendive Class I, Div. 2, Groups A,B,C, & D Class II, Div. 2, Groups F & G Hazardous locations Class I, Zone 1 AEx d m IIC T6 @ 70°C

AS - Intrinsically Safe Class I, II, III, Div. 1, Groups A-G, Class I, Zone 0, AEx ia IIC T6 @ 70°C
ATEX category 1G, Operator Only
II 1G EEx i a IIC T6
KEMA 03ATEX 1173X

Optional Features

Specify suffix codes for manual operators

MI - Momentary (push in & hold)

MS - Sustained (push in & turn)

Entity Parameters for Intrinsically Safe option AS

Groups A-G	V max	I max	P max	Capacitance	Inductance
Parameters	30 VDC	100 mA	0.75 w	0 nf	0 mH

Specifications

Pipe size (ins.)	Orifice Dia. (ins.)	Cv Flow	Operating Pressure Differential (psi)		Media	Max. Fluid Temp. °F	Nickel Plated Brass	316 Stainless Steel	Const. Ref.
			Min.	Max. AC/DC					
				Air-Inert Gas					
1/4	1/4	0.9	35	110	AIR	180	8355B002	8355B082	1

Ordering Example: 8355B082 Enclosure **EE** Voltage **D2** Options **MS**

Note: When using flow controls, use flow control between port 2 and actuator.

Dimensions Inches (mm)

