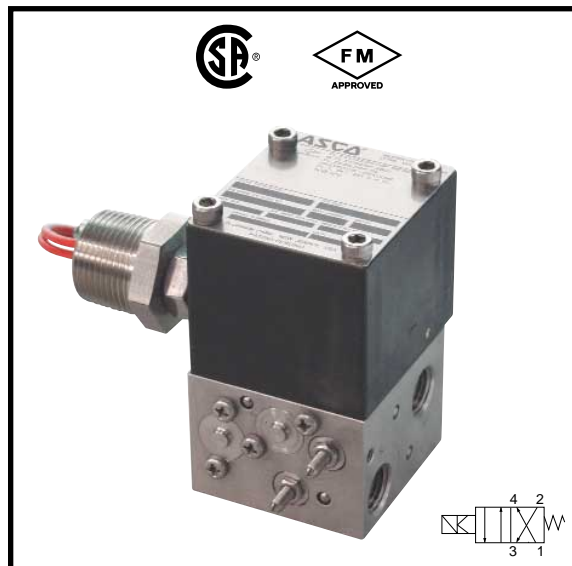


Features

- Explosion proof, Type 4 & 4X and Intrinsically Safe solenoids.
- Poppet design provides durability and reliability in a wide range of ambient temperatures.
- Nickel plated Brass, 303 or 316 Stainless Steel bodies designed for harsh process conditions.
- Built-in speed controls.
- High efficiency, low wattage coils (2 watt AC and .5 watt DC).
- 1/4" NPT inline connection.
- Cv factors of 0.3, 0.7.
- Easy positioning with adjustable stainless steel conduit coupler.



Construction

Part	Material
Body	Nickel plated brass, 303 or 316 Stainless Steel
Solenoid Enclosure	Ryton™ (Polyphenylene Sulfide)
Seals and Disc	Buna "N"
Ryton - Chevron-Phillips Chemical Co. Trademark.	

Electrical

	AC	DC	IS
Watt Rating	2.0w	.5w	.5w
Operating Current	20mA	20mA	42mA

See next page for IS Entity Parameters.

Ambient Temperatures

-20°C to 70°C (-4°F to 158°F)

Solenoid Enclosures

ENCLOSURE OPTION CODE

EE	DIV 1 with 3/4"MNPT connector
EH	DIV 1 with 20mm x 1.5 connector
A0	Type 4 & 4x with 3/4"MNPT connector
B0	Type 4 & 4x with 20mm x 1.5 connector
AS	Intrinsically Safe with 3/4" MNPT connector
BS	Intrinsically Safe with 20mm x 1.5 connector

VOLTAGE CODES

AG - 120/60	AJ - 230/60
D2 - 24/DC	D1 - 12/DC



Ratings and Approvals

A0, B0 - Type 4 & 4X - (Indoor and outdoor locations)

EE, EH - 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 I

AEx d m IIC T6 @ 70°C

AS, BS - Intrinsically Safe Class I, II, III, Div. 1,

Groups A-G, Class I, Zone 0, AEx ia IIC T6 @ 70°C

Optional Features

SPECIFY SUFFIX CODES FOR MANUAL OPERATORS

MI - Momentary (push in & hold)

MS - Sustained (push in & turn)

Entity Parameters for Intrinsically Safe options AS & BS

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

Specifications

Pipe size (ins.)	Orifice Dia. (ins.)	Cv Flow	Operating Pressure Differential (psi)		Media	Max. Fluid Temp. °F	Nickel Plated Brass	303 Stainless Steel	316 Stainless Steel	Const. Ref.
			Min.	Max. AC/DC Air-Inert Gas						
1/4	1/8	0.3	35	125	AIR	180	8455A001	8455A011	8455A081	1
1/4	1/4	0.7	35	125	AIR	180	8455A002	8455A012	8455A082	2

Ordering Example: 8455A082 Enclosure EE Voltage D2 Options MI

Dimensions Inches (mm)

