HIGH FLOW VALVES

Series 80 >> Model E829 C/I Rated

Large Orifice, Linked-Piloted — 2-Way Normally Closed Valve

Large orifice Automatic Safety Shut Off Valves designed specifically for gas appliances. These valves meet the standards for Commercial/Industrial (C/I) Safety Shut Off Valves per ANSI Z21.21 (CSA 6.5). They are well suited for use in heating equipment, furnaces, ovens, kilns, boilers and gas generators.

- **Large orifice.**
- **High flow at high and low pressures.**

OPERATING CONDITIONS

Media: Fuel gases.

Valve Temperature Range: Standard Valves – -40°F (-40°C) to 150°F (65°C) ambient and media temperatures.

Maximum Operating Pressure Differentials: See table on proceeding page.

Burst Pressure: 0 PSI

**Leakage:** Bubble tight.

Vacuum: To 5 Microns*

ELECTRICAL CHARACTERISTICS

Coil Voltage: 120V AC 60 HZ. and 12V or 24V DC

Nominal Power: AC — 7.3 Watts, DC — 9.5 Watts

Coil Construction: Potted Class F

Operating Speed: Up to 100 CPM

Duty Cycle: Continuous

MECHANICAL CHARACTERISTICS

Body: Aluminum

Internal Components: Stainless Steel (Std.)

Elastomers: Nitril (Buna) (Std.).

Orifice Diameter: See table on proceeding page.

Porting: NONE LISTED ON WEB

Housing: 1/2" NPT conduit – many options available.*

Listings: Valves are UL listed and CSA certified for Hazardous Locations — Class I, Div 1, Group C and D – Class II, Div 1, Group E, F, and G

Life Expectancy: Millions of cycles, depending on application, lubrication, etc.

Valve Weight: 2.20 lbs

Repair Packs: See table on proceeding page.

Options: NONE LISTED ON WEB

* Consult representative or factory for options and specifications.

DE-ENGERGIZED (OFF)   ENERGIZED (ON)

OUT   IN   OUT   IN

OUT   IN

1.69
[43]

⌀ 1.80
[45.7]

4.66
[118.2]

1/2-14 NPT
CONDUIT
CONNECTION

1/2-14 NPT
OUT

2.25
[57.2]

IN

.60
[15.2]

1/2-14 NPT
IN

.83
[21]

.41
[10.5]

.71
[18.1]

1.43
[36.3]

2x 1/4-20 UNC - 2B ▽ .35 [8.9] MFT
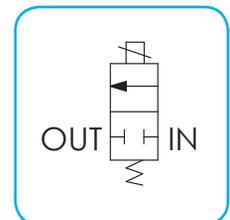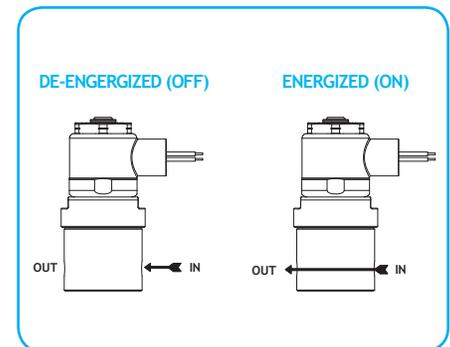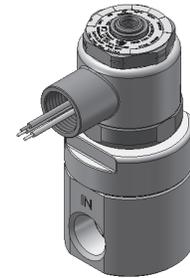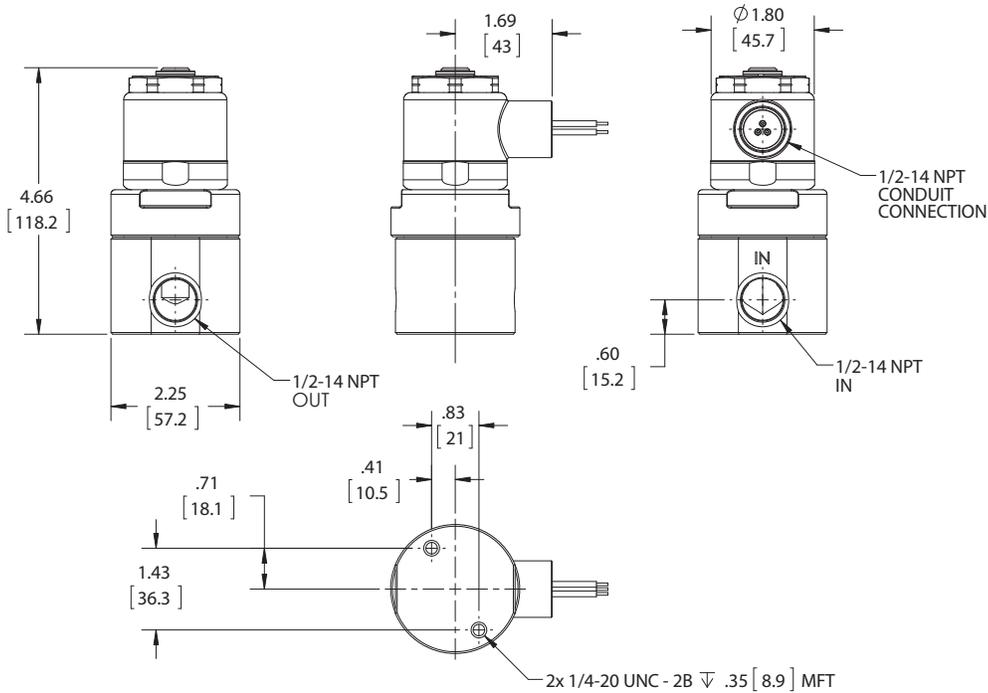
**SERIES 80 MODEL E829 C/I
1/2" NPT PORTS
2WNC INTERNAL LINKED PILOT
EXPLOSION PROOF**

VALVE SPECIFICATIONS

MAX. OPER. PRESS. DIFF.		MIN. OPER. PRESS. DIFF. N.C.	GAS CAPACITY BTU/HR N.C.	CV FACTOR	PIPE SIZE	VALVE NUMBER
AC	DC					
60	60	0	2,751,000	3.0	1/2 NPT	E829B11DCCP-SC

ORDERING INFORMATION:
WHEN ORDERING VALVES OR REPAIR PACKS ADD VOLTAGE AND FREQUENCY TO COMPLETE
VALVE NUMBER. EXAMPLES: VALVE (829B11DGM 120/60) REPAIR PACK (K829BD AC)

NO OPERATOR AVAILABLE