


2094 Series
Applications:

Automatic safety shutoff for Compressed Natural Gas Systems, like CNG Dispensers, etc.

General description

2094 series valves have been designed to handle high pressure fluids such as gaseous fuels and offer the customer the ultimate in performance, resistance and efficiency under hard working conditions. In addition, the piston system allows perfect opening and shutoff through an 8 mm passage, by means of a pilot orifice suited for high pressure.

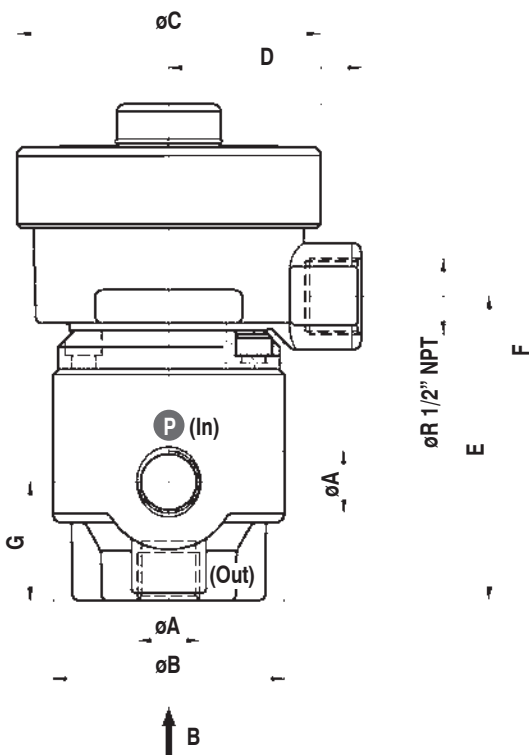
Main characteristics

Normally closed.
Servo-operated action.
Brass body.
Inoxidable piston and Delrin seats.
NPT threaded connection.
Core tube SS. 304 and 316.
Plunger and fixed core: SS. 430 F.
Shading coil: copper, silver or aluminum.
Housing: Integrated explosion and weather proof according to IEC 79-1 "d".

Technical specifications

Ø Pipe ins.	Ø Orifice		Flow factor		Operating pressure differential				Power W		Working temperature				Weight		Catalog N°
					Minimum		Maximum				Minimum		Maximum				
	mm	ins.	Kv	Cv	bar	psi	bar	psi	50 Hz	60 Hz	Minimum °C	°F	°C	°F	kg	Lb	
1/4"	8	0.31	1.1	1.29	1	15	250	3750	11	13	-20	-4	80	176	2.3	5	Z2094RBD2
3/8"			1.5	1.76													Z2094RBD3
1/2"			1.5	1.76													Z2094RBD4

General dimensions 2094



øA	øB	øC	D	E	F	G
R 1/4" NPT	62.5	82	52	80	133	32
R 3/8" NPT						
R 1/2" NPT	75	82	52	80	133	32

Measurements: mm

øA	øB	øC	D	E	F	G
R 1/4" NPT	2.46	3.23	2.05	3.15	5.24	1.26
R 3/8" NPT						
R 1/2" NPT	2.95	3.23	2.05	3.15	5.24	1.26

Measurements: ins.

Coil characteristics

Electric power supply	Coil type	Power W	VA (volt-ampere)		Maximum temperature		Available tensions
			Inrush	Holding	°C	°F	
AC 50 Hz	M11F	11	40	22	155	311	1
	M11H	11	40	22	180	356	1
AC 60 Hz	M13F	13	45	27	155	311	2
	M13H	13	45	27	180	356	2

1 - (12, 24, 110, 220, 240) V 2 - (12, 24, 110, 120, 220, 240) V

Recommendations for installation

Place a strainer upstream the valve with a porosity $\leq 50 \mu$.

Mounting: In any position, preferably over horizontal pipeline with the coil upright.