



Applications:

- Instrumentation. Laboratory.
- Burner pilot for combustible gases and liquids.
- Welding equipment. Humidifiers.
- Dental equipment. Vacuum systems.
- Laundry and dry cleaning machines.
- Heating with low or high pressure steam

Main characteristics

Normally closed and normally open.
 Direct action. No minimum differential pressure to operate.
 1/4" BSP or NPT threaded connections.
 Brass, iron, stainless steel body.
 Core tube AISI 304 and 316.
 Plunger and fixed core AISI 430 F.
 Shading coil: copper, silver or aluminium
 Shape A DIN 43650 connection encapsulated coils.
 IP65 and NEMA 4 protection.
 Approximate weight: 0.5 kg. (1.1Lb)

Options:

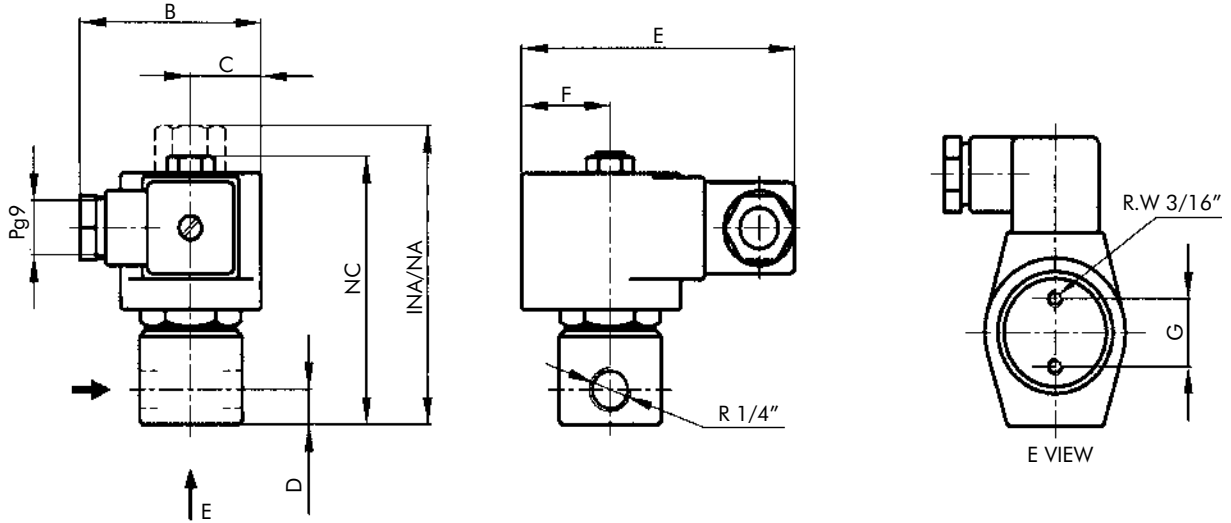
- Energized coil indicator light.
- Explosion and / or weather proof coils and housings.
- Manual operator.

Technical specifications - Brass body

Orifice Ø		Flow factor		Δp (a) maximum		Maximum temp. and catalog N° according to seat material				
mm	ins.	Kv	Cv	bar	psi	Buna "N"	Neoprene	EPDM	FKM	PTFE
						80 °C / 176 °F	80 °C / 176 °F	145 °C / 293 °F	150 °C / 302 °F	180 °C / 356 °F
Normally closed										
1.25	.049	0.05	0.06	*	*	1327BA122	1327BN122	1327BE122	1327BV122	1327BT122
1.75	.068	0.09	0.11	35	525	1327BA172	1327BN172	1327BE172	1327BV172	1327BT172
2.25	.088	0.13	0.15	20	300	1327BA222	1327BN222	1327BE222	1327BV222	1327BT222
3.00	.118	0.26	0.30	10	150	1327BA302	1327BN302	1327BE302	1327BV302	1327BT302
4.00	.157	0.43	0.50	5	75	1327BA402	1327BN402	1327BE402	1327BV402	1327BT402
5.00	.197	0.60	0.70	3	45	1327BA502	1327BN502	1327BE502	1327BV502	-
5.25	.206	0.65	0.76	2.2	33	1327BA522	1327BN522	1327BE522	1327BV522	-
(a) Advise: when using direct current (DC), a 25% reduction on the maximum operating pressure differential is expected.						* With PTFE seat 100 bar/1500 psi. Other seats 70 bar/1500 psi.				
Normally open										
1.25	.049	0.05	0.06	50**	750**	1327BA122NA	1327BN122NA	1327BE122NA	1327BV122NA	1327BT122INA
1.75	.068	0.09	0.11	20**	300**	1327BA172NA	1327BN172NA	1327BE172NA	1327BV172NA	1327BT172INA
2.25	.088	0.13	0.15	12**	180**	1327BA222NA	1327BN222NA	1327BE222NA	1327BV222NA	1327BT222INA
2.50	.098	0.17	0.20	10	150	1327BA252NA	1327BN252NA	1327BE252NA	1327BV252NA	-
3.00	.118	0.26	0.30	10	150	1327BA302INA	1327BN302INA	1327BE302INA	1327BV302INA	1327BT302INA
4.00	.157	0.43	0.50	5	75	1327BA402INA	1327BN402INA	1327BE402INA	1327BV402INA	1327BT402INA

**** With PTFE seat, maximum pressure 10bar / 150psi.**

General dimensions 1327



NC	NA	INA	B	C	D	E	F	G
80	89	102	57	22	10	85	27	20

Measurements: mm

NC	NA	INA	B	C	D	E	F	G
3.15	3.50	4	2.24	0.87	0.39	3.35	1.06	0.79

Measurements: ins.

Special constructions

Stainless steel body.

- AISI 304: change letter **B** for **S** in the catalog N^o.
Example: 1327ST302
- AISI 316: change letter **B** for **I** in the catalog N^o.
Example: 1327IT302.

Options	Prefix	Suffix	Examples
Water, weather and saline corrosion proof coils.	YC		YC1327BA302
Explosion and weather proof coils.	ZC		ZC1327BA302
Weather proof housing.	Y		Y1327BA302
Explosion and weather proof housing.	Z		Z1327BA302
Manual operator: on the main orifice	(*)	- M	1327BA302-M
NPT connections		T	1327BA122T
Energized coil indicator light		See coils.	

Coil characteristics

Electric power supply	Coil type	Power W	VA (volt-amp)		Maximum temperature		Available tensions
			Inrush	Holding	° C	° F	
AC 50 Hz	MF11C	11	40	22	155	311	1
	MH11C	11	40	22	180	356	1
AC 60 Hz	MF13C	13	45	27	155	311	2
	MH13C	13	45	27	180	356	2
DC	MH19C	19	19	19	180	356	3

1-(12,24,110,220,240)V 2-(12,24,110,120,220,240)V 3-(12,24,110,220)V

(*) Up to 20 bar - 300 psi. PTFE seat not available. Only NC versions.

Recommendations for installation

Place a strainer upstream the valve with a porosity ≤ 100µ. Any mounting position. The valve allows > output pressure than input pressure, but in these cases watertightness is not guaranteed when it is closed.

Application according to seat material

Seat material	Buna "N"	Neoprene	EPDM	FKM	PTFE
Maximum temperature	+80 °C / 176 °F	+80 °C / 176 °F	+145 °C / 293 °F	+150 °C / 302 °F	+180 °C / 356 °F
Uses	Water, air, light oils. Neutral gases. Kerosene, low and medium vacuum	Oxygen, alcohol, argon, other non-corrosive light gases and liquids, Freon 12.	Water steam, hot water, acetone.	Benzene, naphta, aromatics, etc. hot gases, high vacuum, diesel oil.	Steam, hot oils, corrosive fluids.