

ATEX Certified Valves

In compliance with the directive 94/9/CE

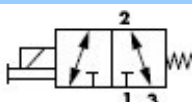
Function	Port size	Flow [Max]	Individual mounting
3/2 NO-NC, 2/2 NO-NC	1/8" - 1/4"	500 NI/min	Inline

OPERATIONAL BENEFITS

1. Balanced poppet, immune to variations of pressure.
2. Short stroke with high flow.
3. The patented solenoid develops high shifting forces.
4. Powerful return spring.
5. Burn-out proof solenoid on AC service.



HOW TO ORDER

Port size	Universal Valve
	
1/8" BSPPL	224B – XX 0EE 005 E X ECG
1/8" NPTF	224B – XX 0EE E X ECG
1/4" BSPPL	225B – XX 0EE 005 E X ECG
1/4" NPTF	225B – XX 0EE E X ECG

SOLENOID OPERATOR ➤

XX 0 EE 005 **E****X** ECG

XX Voltage	0 Manual operator	EE Electrical connection
11 110V~/50Hz – 120V~/60Hz 12 220V~/50Hz – 240V~/60Hz 22 24V~/50Hz – 24V~/60Hz 51 24V=/4,5W 61 24V=/8,5W 78 24V=/24,0W Other voltages available, consult factory.	0 No operator	EE Explosion proof enclosure

22**XB-XX**0EE 005 **E****X** **ECG**

X Cable length	ECG Modification description
H 1.1m F 2.0 m T 5.0 m	ECG Cable Gland Explosion proof

OPERATING INSTRUCTIONS

Air connection: Inlet: port marked #1
 Cylinder: port marked #2
 Exhaust: port marked #3

Electrical connection: Power supply: blue & brown wire (coil not polarised)
 Ground: yellow – green wire
 Screw on electrical enclosure available for external ground

TECHNICAL DATA

Fluid:	Compressed air, vacuum, inert gases
Pressure range:	Vacuum to 10 bar
Lubrication:	Non-lube service
Filtration:	40 μ
Temperature range:	-18 $^{\circ}$ C to +60 $^{\circ}$ C
Orifice:	4.8 mm
Flow (at 6 bar $\Delta P=1$bar) :	500 NI/min (C_v 0.5)
Coil:	Epoxy encapsulated – class A wires
Voltage range:	-15% to +10% of nominal voltage

Ex marking II 2 G / Ex d IIC T4-T5

Zones, groups, and categories

Group **II**: electrical equipment intended for use in places with an explosive gas atmosphere other than mines susceptible to firedamp.

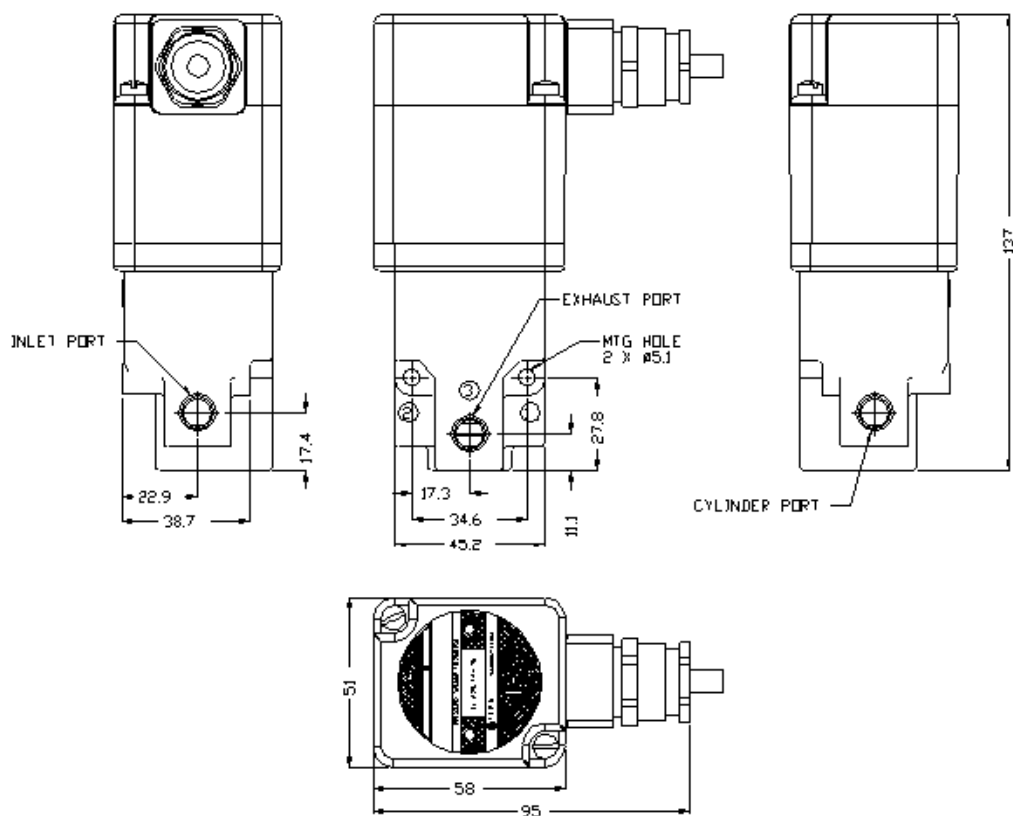
Equipment category **2 G**: gas – zone 1

Subdivision **IIC**: typical gas are acetylene & hydrogen

Method of protection **d**: flame proof enclosure

Temperature class **T4-T5**: maximum surface temperature 135 $^{\circ}$ C – 100 $^{\circ}$ C

DIMENSIONS





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Function	Port size	Flow [Max]	Manifold mounting
3/2 NO-NC, 2/2 NO-NC	1/8" - 1/4"	500 NI/min	Sub-base

OPERATIONAL BENEFITS

1. Balanced poppet, immune to variations of pressure.
2. Short stroke with high flow.
3. The patented solenoid develops high shifting forces.
4. Powerful return spring.
5. Burn-out proof solenoid on AC service.



HOW TO ORDER

Port size	Universal Valve
Valve less base	250B – XX 0 EE 005 EX ECG

SOLENOID OPERATOR ➤

XX 0 **EE** 005 **EX** ECG

XX Voltage	0 Manual operator	EE Electrical connection
11 110V~/50Hz – 120V~/60Hz 12 220V~/50Hz – 240V~/60Hz 22 24V~/50Hz – 24V~/60Hz 51 24V~/4,5W 61 24V~/8,5W 78 24V~/24,0W Other voltages available, consult factory	0 No operator	EE Explosion proof enclosure

250B-**XX**0**EE** 005 **EX** **ECG**

X Cable length	ECG Modification description
H 1.1 m F 2.0 m T 5.0 m	ECG Cable gland Explosion proof

OPERATING INSTRUCTIONS

Air connection: Inlet: port marked #1
 Cylinder: port marked #2
 Exhaust: port marked #3

Electrical connection: Power supply: blue & brown wire (coil not polarised)
 Ground: yellow – green wire
 Screw on electrical enclosure available for external ground

TECHNICAL DATA

Fluid:	Compressed air, vacuum, inert gases
Pressure range:	Vacuum to 10 bar
Lubrication:	Non-lube service
Filtration:	40μ
Temperature range:	-18°C to +60°C
Orifice:	4.8 mm
Flow (at 6 bar $\Delta P=1$bar) :	500 NI/min (C_v 0.5)
Coil:	Epoxy encapsulated – class A wires
Voltage range:	-15% to +10% of nominal voltage

Ex marking II 2 G / Ex d IIC T4-T5

Zones, groups, and categories

Group **II**: electrical equipment intended for use in places with an explosive gas atmosphere other than mines susceptible to firedamp.

Equipment category **2 G**: gas – zone 1

Subdivision **IIC**: typical gas are acetylene & hydrogen

Method of protection **d**: flame proof enclosure

Temperature class **T4-T5**: maximum surface temperature 135°C – 100°C

DIMENSIONS

