

Solenoid Valve - 5 Way - Double Solenoid - Bistable

Benefits & Features

- Five way three position, double solenoid valve. Bistable
- Suitable for gaseous media
- High dependency applications
- Compact design
- Brass or 316 stainless steel bodies
- Ex-d IIC -60°C to +60°C ambient versions
- ATEX, EAC Ex (CU TR 012) and IECEx, Ex-d approved

Specification

Configuration	Internal pilot operation
Port Sizes	1/4" BSP or NPT
Orifice	7.0mm
Kv	see table below
Body	Brass or 316 stainless steel
Media	gaseous media, subject to material compatibility
Pressure ranges	3 - 10 Bar
Seals	NBR, VITON, HNBR



Configuration



D05.d Double Solenoid Bistable

IN: E

Coil 1 Energised: From E to U1
From U2 to S2

Coil 2 Energised: From E to U2
From U1 to S1

Coils De-energised: Latched on the last position

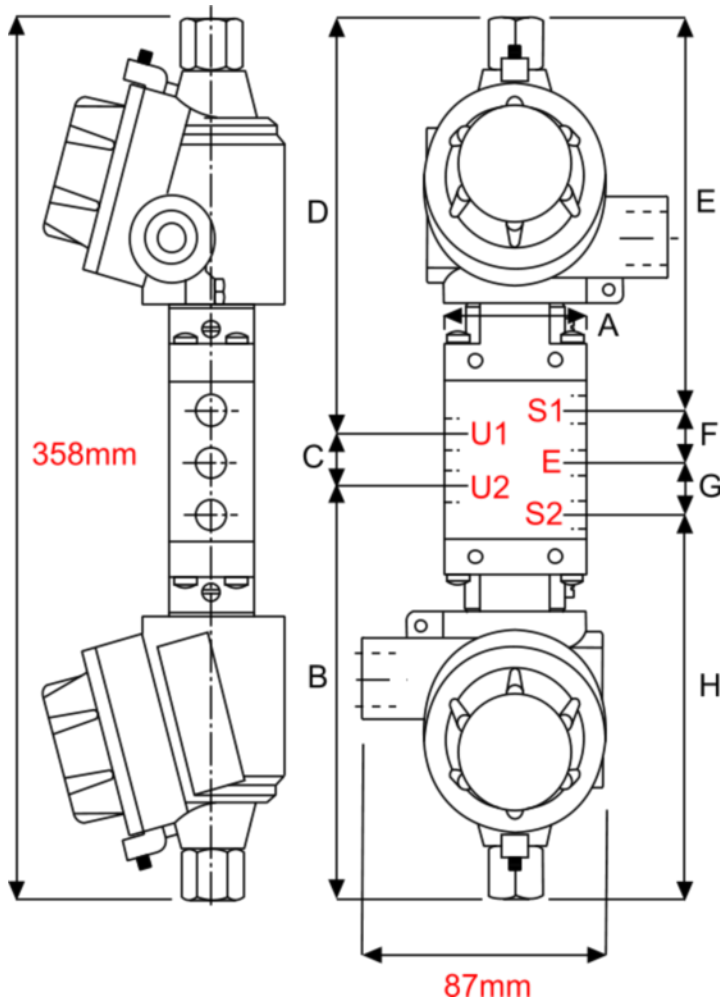
Technical Data

MODEL	A	70	B	C	D	E	Port Size BSP or NPT	Body Rating	Orifice mm	Min. /Max. Operating Differential Pressures.		KV Flow Factor L/min.	
										Min. BAR	Maximum BAR		
											AC		DC
D05							1/4"	10	7.0	3	10	10	12.5

Solenoid Valve - 5/2 - Single Solenoid - Monostable

Dimensions

Weight Kg	Dimensions mm							
	A	B	C	D	E	F	G	H
1.5	50	155	18	155	146	18	18	146



Order Codes

A	Body	B	Port	C	Seals (fluid temp. min / max)	D	Protection	E	Options		
T	Brass	C	1/4" BSP	D	1/4" NPT	0	NBR (-10°C to + 70°C)	B	II 1/2 GD Ex-d IIB T6 (-20 to +40°C)	X	Manual Override
I	316 Stainless Steel					1	VITON (-10°C to + 90°C)	C	II 1/2 GD Ex-d IIC T6 (-20 to +40°C)	/SG	Degreased for oxygen
						7	HNBR (-10°C to + 90°C)	/LT	II 1/2 GD Ex-d IIC T6 (-60 to +60°C)		
								H	Ex-d c IIB IP67 IECEX		
								T	Ex-d c IIC IP67 IECEX		
								R	Ex-d IIC EAC Ex		

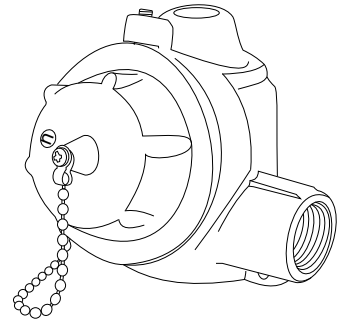


Electrical Wiring - IP67 Housing

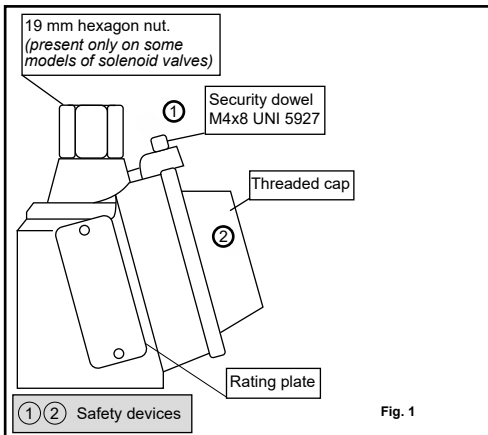
Installation Procedures & Methods



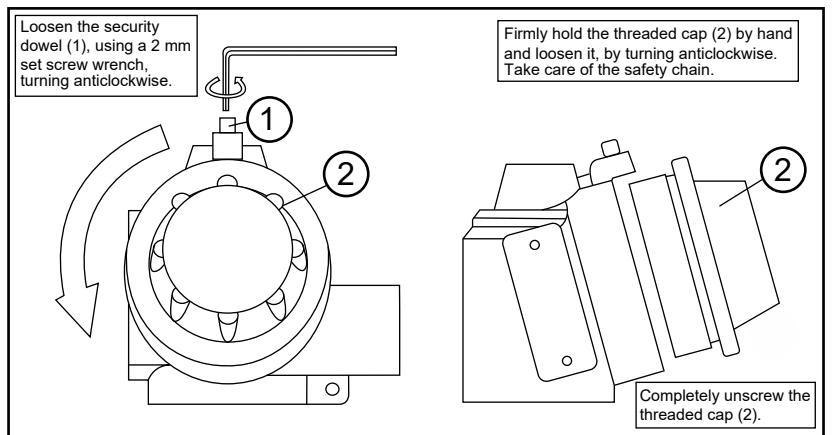
Attention: For safety purposes, always ensure that the power supply is disconnected. After de-energising, allow 15 minutes before continuing the following procedures



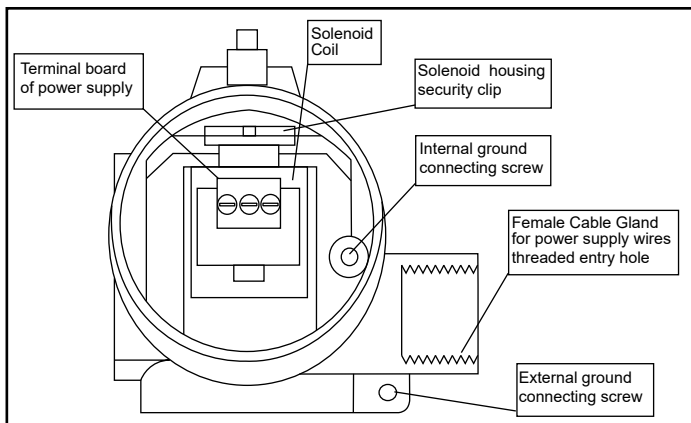
A



B

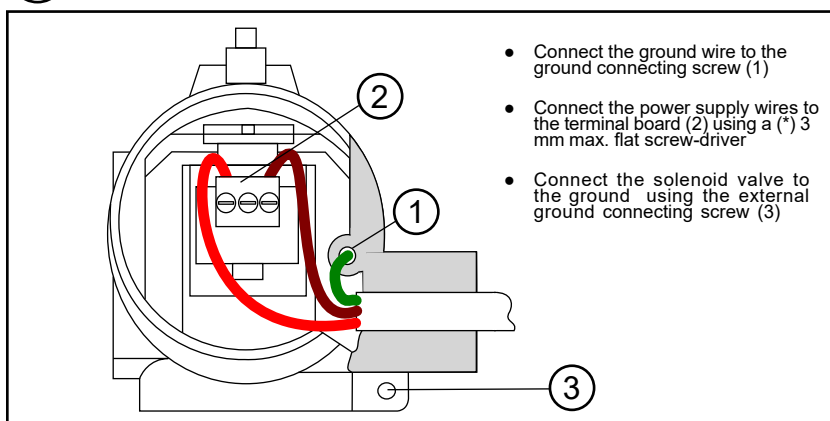


C

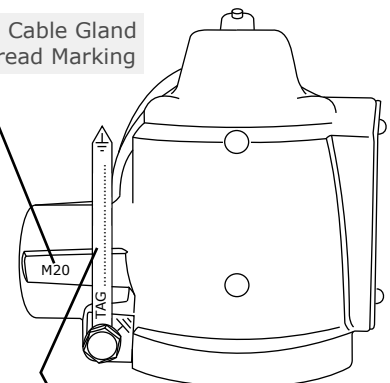


Pipe fittings used for cable entry (Cable, duct, conduit etc) are NOT supplied by the manufacturer. Installation engineers should ensure that the use of fittings are of the correct diameter and suitable to secure the tightness of the cable used. Where site conditions indicate, cable duct, conduit etc. must be ATEX approved, for a protection degree equal or greater than the protection degree indicated on the rating plate. The female thread type is indicated on the housing: M20*1.5mm or 1/2"NPT

D



Electrical Cable Gland Entry Thread Marking



Earth Tag. Can be customised with Tag number, part number etc.