

700 Series Solenoid Valve

2/2 Direct acting plastic solenoid valves

Product Code	Inlet/Outlet Size	Description
700	1/4" Male BSP	Plastic direct acting solenoid valve, normally open, normally closed or latching.
*701	6-mm John Guest push fit	
*702	5-mm John Guest push fit	
*703	4-mm John Guest push fit	

* Genuine John Guest fittings are used.

Description

Direct acting 700 series solenoids provide a low cost alternative to brass or stainless steel, when projects require only a small orifice size. With a bayonet-fit solenoid operator, the 700 series valves are easy to clean.

Food grade materials are used in construction.

Available as normally closed, normally open and latching versions.

Characteristics:

Material:

Valve body:	Glass filled nylon (Fibreglass Polyamide)
Valve body colour:	Black
Seal:	Buna
Armature:	Stainless steel

Operating characteristics

Orifice Size (mm)	Operating Pressure Range (bar)
1.6	0-10
2.2	0-6
3.0	0-4

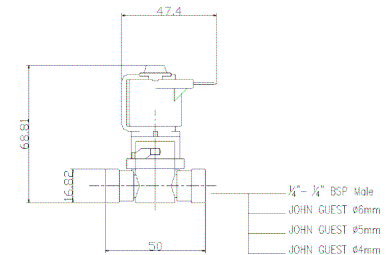
Maximum ambient temperature: 60°C
 Maximum media temperature: 60°C (ED max. = 100%)
 90°C (ED max. = 50% 3 minutes on 3 minutes off)
 With 240v AC supply use 220/240v coil for 100 ED% duty cycle.

Mounting Position: Any (preferred position upright with coil at top)

Ordering codes:

Body style	Seal Material	Orifice Diameter	Operation	Electrical connection	Voltage
700 = 1/4" BSP	A = Buna	16 = 1.6 mm	A = normally open	T = Flying leads	12v ac, 12v dc 24v ac, 110v ac, 230v ac Latching valve 12v dc only
701 = 6 mm		22 = 2.2 mm	B = bistable (latching)		
702 = 5 mm		30 = 3.0 mm	C = normally closed	Z = Faston tags	
703 = 4 mm					

Example: 701A16CZ 24VAC = 6 mm push-in ports, 1.6 mm orifice, normally closed, tag connections 24v ac coil.



Beta Valve

Electrical characteristics

Connector:	Faston tags or flying leads		
Protection:	Faston tags	-	IPX0
	Flying leads	-	IP65
Windings:	Class F		
Insulation class:	Class II		

Coil Marking 12V AC/DC

Nominal voltage:	12V ac	12V dc
Voltage tolerance:	-15%, +10% (Tf<70°C)	
Nominal frequency:	50 - 60 Hz	
Nominal current:	360 mA	700mA
Nominal power:	4.3VA	8.4W

Coil Marking 12V dc

Nominal voltage:	12V dc
Voltage tolerance:	-15%, +10% (Tf<70°C)
Nominal current:	450 mA
Nominal power:	5.4W

Coil Marking 24V ac

Nominal voltage:	24V ac
Voltage tolerance:	-15%, +10% (Tf<70°C)
Nominal frequency:	50 - 60 Hz
Nominal current:	295 mA
Nominal power:	7VA

Coil Marking 24V dc

Nominal voltage:	24V dc
Voltage tolerance:	-15%, +10% (Tf<70°C)
Nominal current:	355 mA
Nominal power:	8.5W

Coil Marking 220/240V ac

Nominal voltage:	240V ac
Voltage tolerance:	-15%, +10% (Tf<70°C)
Nominal frequency:	50 - 60 Hz
Nominal power:	6.6VA

Coil Marking 110V ac

Nominal voltage:	110V ac
Voltage tolerance:	-15%, +10% (Tf<70°C)
Nominal frequency:	50 - 60 Hz
Nominal current:	65 mA
Nominal power:	7.1VA

Coil Marking 230V ac

Nominal voltage:	230V ac
Duty cycle:	90% ED
Voltage tolerance:	-15%, +10% (Tf<70°C)
Nominal frequency:	50 - 60 Hz
Nominal power:	8.4VA

Direction of Flow

The valve has arrows showing direction of flow moulded onto the side of the valve body.

Approvals

Complies EN 55014 Ed. 1993, EN 60730-2-8-1 Ed. 1995
IMQ (not 110v ac)

Beta Valve

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