



Brass Normally Closed Servo Assisted 2/2 Way Piston valve

- Servo – Assisted, Normally Closed
- Brass Body
- FKM Seals
- Sizes 1/4" & 3/8"
- Temperature -10°C to 140°C
- Pressure 0-16 Bar

> Description

The BB6240 valve is a Brass servo-assisted piston solenoid valve. The stopper and plunger guide tube is welded together for enhanced pressure resistance and leak-tightness. The valve is offered in brass with FKM seals however various seal material combinations are available depending on the application (on request). The housing design and surface quality enable maximum flow rates with pressures up to 16 Bar.

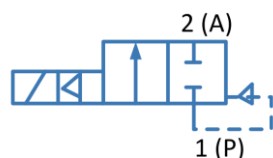
Media temperature: -10°C to +140°C

Voltage: 24V DC, 24V AC and 230V AC

Suitable for neutral gases and liquids; compressed air, water and hydraulic oil

The coils are moulded with chemically resistant epoxy vibration-resistant, screwed coil system. Explosion proof versions available. BS6240 offers a stainless steel version with high temperature and pressure versions.

Circuit Function A



2/2 way valve, Normally Closed



Description

The BB6240 solenoid is servo-assisted and offered for its superior design and repeatability, especially good on leak-tightness and offers maximum flow rates. Sizes are in 1/4" and 3/8" port connections, seal material in FKM and body in brass. Other combinations are available depending on the application. For repeatability and long life this is the go to valve.



Beschreibung

Das BB6240-Magnetventil ist servounterstützt und wird wegen seines überlegenen Designs und seiner Wiederholbarkeit angeboten, besonders gut in Bezug auf Leckdichtigkeit und bietet maximale Durchflussraten. Größen sind in 1/4"- und 3/8"-Anschlussanschlüssen, Dichtungsmaterial in FKM und Körper in Messing. Andere Kombinationen sind je nach Anwendung erhältlich. Für Wiederholbarkeit und lange Lebensdauer ist dies das Ventil der Wahl.



Descripción

El solenoide BB6240 es servoasistido y se ofrece por su diseño y repetibilidad superiores, especialmente bueno en estanqueidad y ofrece caudales máximos. Los tamaños están en conexiones de puerto de 1/4" y 3/8", el material del sello en FKM y el cuerpo en bronce. Hay otras combinaciones disponibles dependiendo de la aplicación. Para repetibilidad y larga vida útil, esta es la válvula preferida.



Description

Le solénoïde BB6240 est servo-assisté et proposé pour sa conception et sa répétabilité supérieures, particulièrement bonne en matière d'étanchéité et offre des débits maximaux. Les tailles sont en raccords 1/4" et 3/8", le matériau du joint en FKM et le corps en laiton. D'autres combinaisons sont disponibles en fonction de l'application. Pour la répétabilité et la longue durée de vie, c'est la vanne idéale.

TECHNICAL DATA

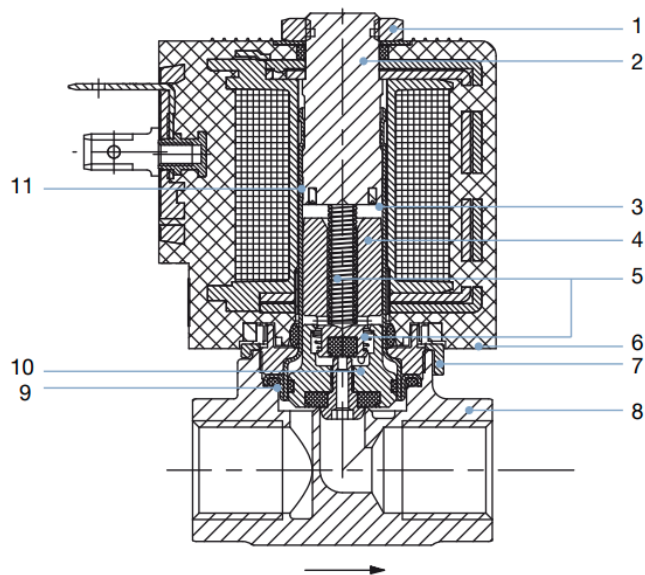
Body	Brass
Coil	Epoxy 32mm in Size
Orifice	DN6
Circuit Function	Normally Closed
Thermal Insulation	H
Duty Cycle	100% Continuous Rating
Switching Time (DN6)	Open 10 - 20 ms Closing 40 - 50 ms
Power consumption	See Chart
Voltage Tolerance	± 10%
Operating Medium	Natural gas and liquid, such as compressed air, water, hydraulic oil
Seat/Seal	FKM -10°C - + 140°C
Viscosity	Max. 21 mm ² /sec
Degree of Protection	IP65 with Plug
Port Connection	1/4" and 3/8"
Ambient Temp.	Max. 55°C
Installation	Preferably Upright
Pressure Range	0 - 16 Bar
Kv Value (Water)	0.6 m ³ /hr for both 1/4" & 3/8"
Weight	AC & DC 300g

Power Consumption

32mm Coil	AC			DC	
	Inrush	Hold		Cold	Warm
	32 (VA)	18 (VA)	8 (W)	12 (W)	10 (W)

3.2. Material specifications

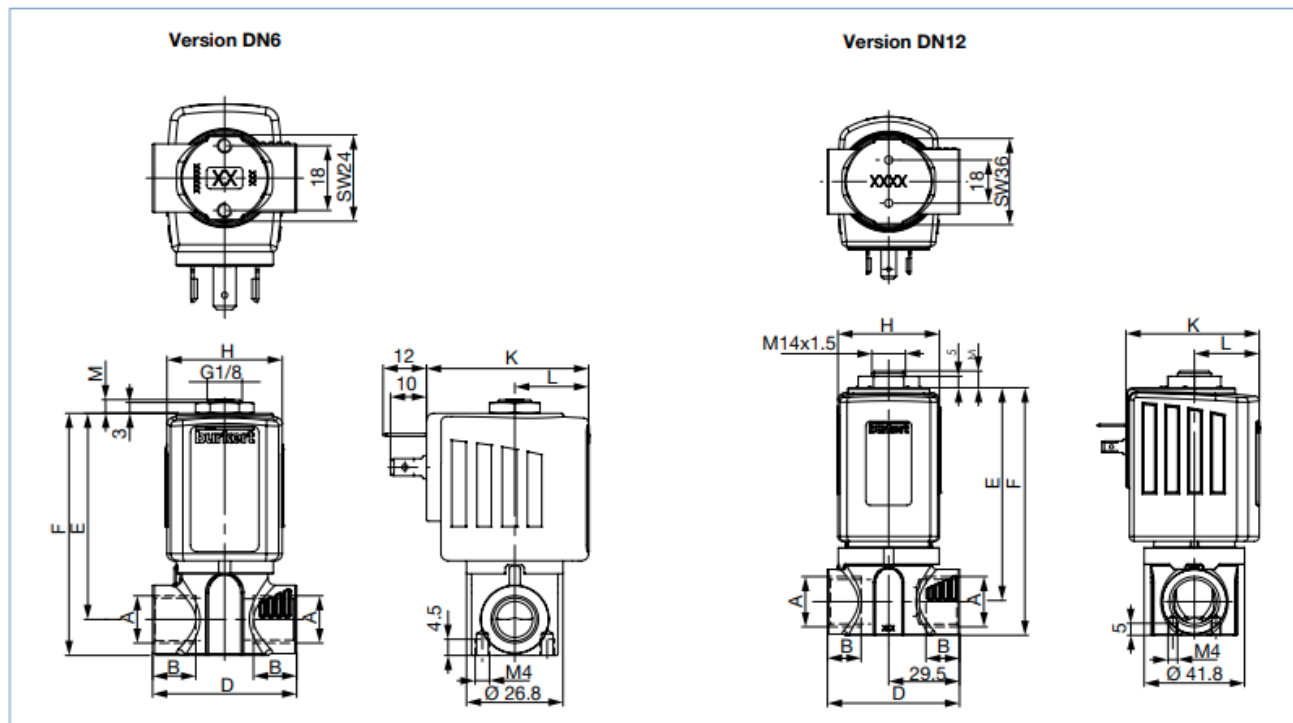
Standard version



No.	Element	Material
1	Nut	Steel (surface finish thick film passivated) (Brass version) Stainless steel 1.4305 PTFE (Stainless steel version)
2	Stopper	1.4113
3	Armature guide tube	1.4303
4	Guide ring	PTFE coal-filled
5	Springs	1.4310
6	Coil	Epoxy
7	Safety lock	PPS
8	Body	Brass/stainless steel 1.4404
9	Seal facing outwards	FKM/EPDM/PEEK (high temperature version)
10	Piston complete	Brass/stainless steel 1.4305 Stainless steel PEEK PTFE coal-filled FKM/EPDM/PTFE (PTFE for high temperature and PTFE/FKM for high pressure versions)
11	Shading ring	Copper/silver

> Technical data, cont.

Note:
Dimensions in mm



A (Body connection)	B	D	E	F	M	H	K	L
DN 6								
G ¼	12	40	57.3	67.3	3.7	32	45	20.5
NPT ¼	10							
RC ¼	9.7							
G ⅜	12	50	58.3	70.3				
NPT ⅜	10.3							
RC ⅜	10.1							
G ½	12	40	57.3	67.3	3.7	40	51	23.5
NPT ½	10							
RC ½	9.7							
G ⅝	12	50	58.3	70.3				
NPT ⅝	10.3							
RC ⅝	10.1							
DN 12								
G ½	14	55	89	103	7.5	42	55.5	27
NPT ½	13.7							
RC ½	13.2							

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