

General Description

A high flow / high pressure piston type valve with brass forged Body and Teflon seats. HT coil (flying leads) 180°C (standard).
DIN coil 120°C c/w LED plug. Fluids up to 50 CST viscosity.
Typical Applications: High pressure irrigation, laundry equipment, Hospitals, compressed air & general industry.

Other B75 Models:

TH model to 40 BAR

THH model to 80 BAR



Model	Function	Port Size BSP	Orifice Ømm	CV	Pressure (BAR)			Vacuum Hg"	Media Temp	Weight Kg	Features	
					Fluid DIN Coil	Air DIN Coil	Steam Fly/Lead					
Direct Plunger Operation – Normally Closed												
B75-2-3	N.C	¼	3	0.26	0-10	0-10	0-10*	27	-10°C	0.45	Body-Brass Seals- PTFE, Viton, Silicone	Air, Fluid & Vacuum
B75-2-5		¼	5	0.64	0-6	0-6	0-6			0.45		
B75-3-4	N.C	3/8	4	0.58	0-10	0-10	0-10*		180°C	0.75		
Pilot Plunger with Piston Operation – Normally Closed												
B75-3-15	N.C	3/8	15	4.5	0.5-20	0.5-20	0.5-10	NA	-10°C	1.65	Body- Brass	Air, Fluid & Vacuum
B75-4-15		½	15	4.5	0.5-20	0.5-20	0.5-10			1.65		
B75-5-20		¾	20	9.3	0.5-20	0.5-20	0.5-10			2.13	Seals & Seats- Teflon	Also available in normally open.
B75-6-25		1	25	13.2	0.5-20	0.5-20	0.5-10			2.35		
B75-7-35		1 ¼	35	26	0.5-20	0.5-20	0.5-10			3.85	Operator- Stainless Steel	
B75-8-35		1 ½	35	26	0.5-20	0.5-20	0.5-10			3.30		
B75-9-50		2	50	48	0.5-20	0.5-20	0.5-10			7.35		
B75-6F-25		Flange	25	13.2	0.5-20	0.5-20	0.5-10			5.10		
B75-7F-35			35	26	0.5-20	0.5-20	0.5-10			8.00		
B75-8F-35		35	26	0.5-20	0.5-20	0.5-10			8.15			
B75-9F-50	N.C	Flange	50	48	0.5-20	0.5-20	0.5-10	180°C	13.10			

IMPORTANT – Chemical Resistance

For specific information on chemical resistance of valve components to various Liquids and Gases, refer to the manufacturer or your distributor.
See over page for applications warning. It is the responsibility of the user to determine suitability of the liner and body material to the application.
*0-7 BAR with DC coils

B7 - Series B7

5 - Function
5 - normally closed

4 - Orifice

15 - Code

1 - Voltage

Code	Ports Size BSP	Code	Voltage
2	1/4	1	240v/50Hz
3	3/8	2	110v/50Hz
4	1/2	5	24v/50Hz
5	3/4	7	12vDC
6	1	8	24vDC
7	1 1/4	9	48vDC
8	1 1/2	11	415v/50Hz
9	2		

T - Seat

F - Optional Extras

- F Flying Leads. High temperature to 180°C
- DIN DIN coil c/w LED plug.
- Exd Suitable to 120°C
- H Dust & Ignition Proof, Flame Proof, SAA app.
- HH High pressure to 40 BAR (not for steam)
- High pressure to 80 BAR (not for steam)

Earth Terminal Connector Plug with LED 1 & 2 Input Terminals (Non polarity Conscious)

Ordering Example: B75-4-15-1TF = ½" BSP 240VAC, High temp coil with flying lead

Model DIN	Power AC (VA)		DC (Watt)	Insulation Grade
	50Hz	60Hz		
B75-2	15.4	11.7	12.0	H
B75-3 to 9	24.4	19.8	17.5	Flying Lead
B75-2	15.4	11.7	12	F
B75-3 to 9	24.4	19.8	17.5	DIN Plug

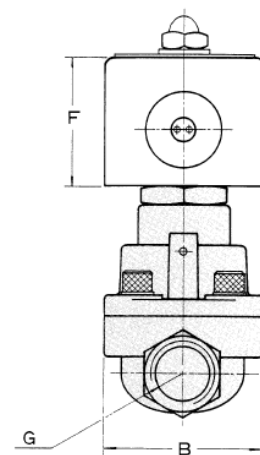
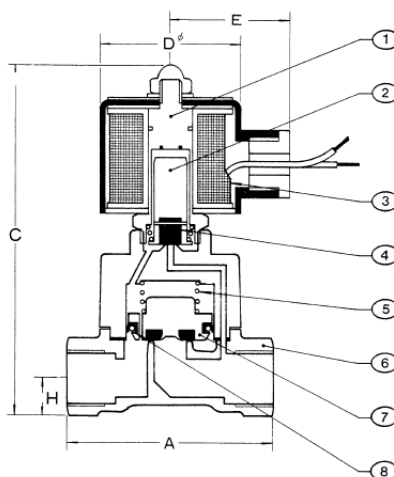
HIGH FLOW / HIGH TEMPERATURE/ BRASS BODY SOLENOID VALVE

Valve Materials

Item	Article	Material
1	Armature	Stainless Steel 304
2	Plunger	Stainless Steel 304
3	Coil	Brass Wire
4	Plunger Seat	Teflon
5	Spring	Stainless Steel 304
6	Valve Body	Brass Forged
7	Piston	Brass
8	Leak proof & Piston Ring	Teflon

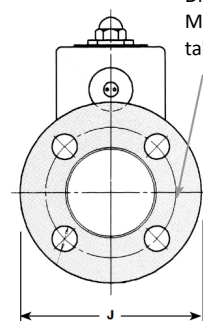
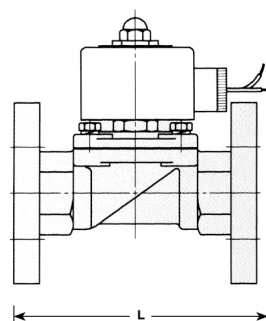
SERIES B75

Pilot Piston

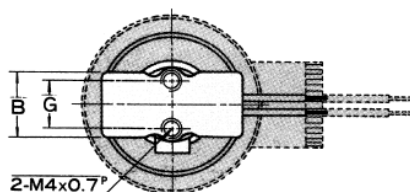
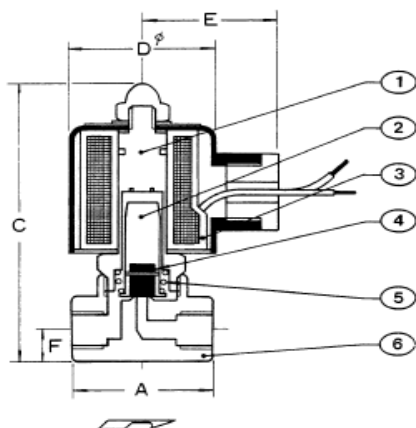


Dimensions Unit: mm

Model	A	B	C	D (DIN)	E (DIN)	F	G	H	J	L
B75-2-3~5	41	19	86	41	40	10.5	¼			
B75-3-4	50	25	91	52	45	11.7	3/8			
B75-3-15	75	52	129	52	45	41	3/8	14.5		
B75-4-15	75	52	129	52	45	41	½	14.5		
B75-5-20	85	60	141	52	45	41	¾	18		
B75-6-25	100	70	148	52	45	41	1	23		
B75-7-35	120	90	168	52	45	41	1 1/4	33		
B75-8-35	120	90	168	52	45	41	1 1/2	33		
B75-9-50	150	122	203	52	45	41	2	40.5		
B75-6F-25				52	45	41			125	130
B75-7F-35				52	45	41			135	160
B75-8F-35				52	45	41			140	160
B75-9F-50				52	45	41			155	200



Direct Plunger



THIS DATA SHEET CAN BE DOWNLOADED FROM OUR WEB SITE



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WARNING

These products are intended for use in industrial applications only. Do not use these products where pressures and temperatures can exceed those listed under 'Technical Data' and in our individual 'Series' data sheets. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult **Process Systems Pty Ltd.**

Through misuse, age, or malfunction, components used in industrial valve applications can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in industrial valve applications and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure. **System designers must provide a warning to the user in the system instructional manual if protection against a failure mode cannot be adequately provided.**

System designers and end users are cautioned to review specific warnings or specifications found in instruction sheets or labels packed or attached and shipped with the products. Our policy is one of continuous research and development. We therefore reserve the right to amend without notice the specifications given in this document or our individual 'Series' data sheets.

WARRANTY INFORMATION

Series B75 and all other products manufactured or distributed by Process Systems Pty. Ltd. are warranted by Process Systems to be free of defects in material and workmanship for a period of 1 year from the date of purchase or as the manufacturer warrants. Process Systems obligation under this warranty is limited to repair or replacement of the defective product or refund of the purchase price paid solely at the discretion of Process Systems and provided such defective product is returned to Process Systems freight prepaid and upon examination by Process Systems such product is found defective. This warranty shall be void in the event that the product has been subject to misuse, misapplication, improper maintenance, modification or tampering. This warranty is expressed in lieu of all other warranties, expressed or implied from Process Systems Pty. Ltd. representatives or employees. Process Systems reserves the right to change Valve and Brochure specifications without notice. 01/10