

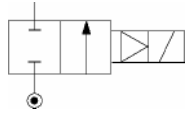
General Description

A high flow / high pressure piston type valve with brass forged body and Teflon seats.

Standard with DIN coil c/w LED plug.

Fluids up to 50 CST viscosity.

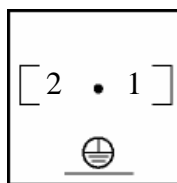
For High Pressure Fluid & Air Applications.



MODEL	FUNCTION PORT SIZE * BSP	ORIFICE Ømm	CV	PRESSURE (BAR)			VACUUM Hg"	MEDIA TEMP	WEIGHT Kg	FEATURES
				FLUID (DIN coil)	AIR (DIN coil)	STEAM (HT coil)				
B75-THH PILOT PLUNGER WITH PISTON OPERATION - NORMALLY CLOSED										
B75-3-15-*THH	N.C. 3/8	15	4.5	0.5-80	0.5-80	0.5-10		-10°C	1.15	Seats &
B75-4-15-*THH	1/2	15	4.5	0.5-80	0.5-80	0.5-10			1.13	Seals- P.T.F.E.
B75-5-20-*THH	3/4	20	9.3	0.5-80	0.5-80	0.5-10			1.53	
B75-6-25-*THH	1"	25	13.2	0.5-80	0.5-80	0.5-10			1.85	
B75-7-35-*THH	1 1/4"	35	26	0.5-80	0.5-80	0.5-10			3.35	
B75-8-35-*THH	1 1/2"	35	26	0.5-80	0.5-80	0.5-10			3.30	
B75-9-50-*THH	2"	50	48	0.5-80	0.5-80	0.5-10			6.85	Operator Highest Pressure
B75-6AF-25-*THH	Flange	25	13.2	0.5-80	0.5-80	0.5-10			4.6	Stainless Steel.
B75-7AF-35-*THH		35	26	0.5-80	0.5-80	0.5-10			7.5	
B75-8AF-35-*THH		35	26	0.5-80	0.5-80	0.5-10			7.65	
B75-9AF-50-*THH	N.C. Flange	50	48	0.5-80	0.5-80	0.5-10	N/A	180°C	12.6	

B75-TH PILOT PLUNGER WITH PISTON OPERATION - NORMALLY CLOSED										
B75-3-15-*TH	N.C. 3/8	15	4.5	0.5-40	0.5-40	0.5-10		-10°C	1.15	Seats &
B75-4-15-*TH	1/2	15	4.5	0.5-40	0.5-40	0.5-10			1.13	Seals- P.T.F.E.
B75-5-20-*TH	3/4	20	9.3	0.5-40	0.5-40	0.5-10			1.53	
B75-6-25-*TH	3"	25	13.2	0.5-40	0.5-40	0.5-10			1.85	
B75-7-35-*TH	1 1/4"	35	26	0.5-40	0.5-40	0.5-10			3.35	
B75-8-35-*TH	1 1/2"	35	26	0.5-40	0.5-40	0.5-10			3.30	
B75-9-50-*TH	4"	50	48	0.5-40	0.5-40	0.5-10			6.85	Operator High Pressure
B75-6AF-25-*TH	Flange	25	13.2	0.5-40	0.5-40	0.5-10			4.6	Stainless Steel.
B75-7AF-35-*TH		35	26	0.5-40	0.5-40	0.5-10			7.5	
B75-8AF-35-*TH		35	26	0.5-40	0.5-40	0.5-10			7.65	
B75-9AF-50-*TH	N.C. Flange	50	48	0.5-40	0.5-40	0.5-10	N/A	180°C	12.6	

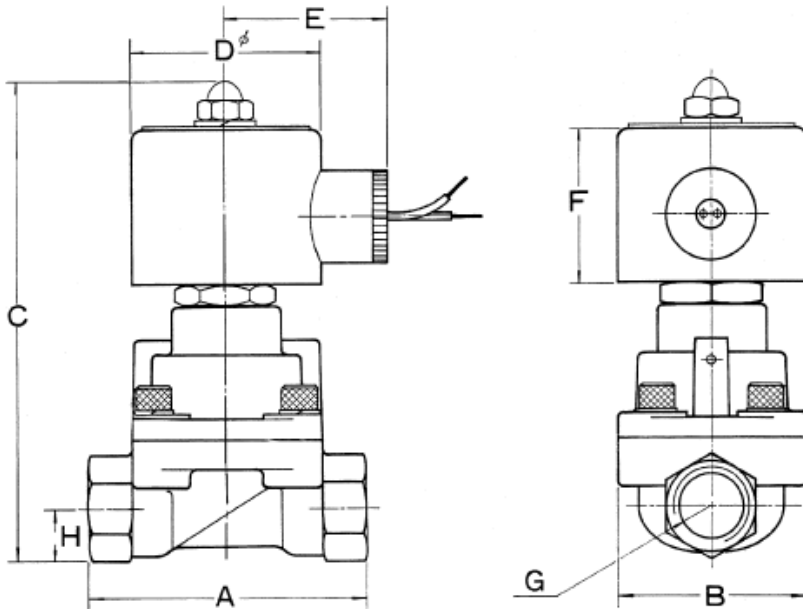
Connector Plug (with LED).
1 & 2 input terminals.
Non polarity conscious.



Coil Specifications

Model	Power		Insulation Grade
	AC (VA)	DC	
	50Hz	60Hz	(watt)
B75-1-2	9.3	7.9	8.4
B75-3-9	15.4	12.1	12.5
B75-6AF-9AF	15.4	12.1	12.5

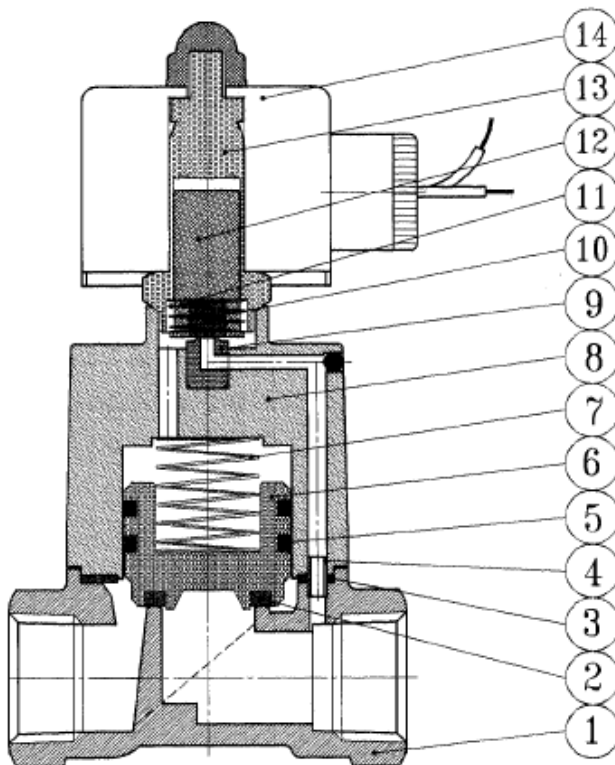
• B75 - THH/TH Dimensions



Model	A	B	C	D	E	F	G	H
B75-3-15	75	52	129	53	47	43	3/8"	14.5
B75-4-15	75	52	129	53	47	43	1/2"	14.5
B75-5-20	85	60	141	53	47	43	3/4"	18
B75-6-25	100	70	148	53	47	43	1"	23
B75-7-35	120	90	168	53	47	43	1 1/4"	33
B75-8-35	120	90	168	53	47	43	1 1/2"	33
B75-9-50	150	120	203	53	47	43	2"	40.5

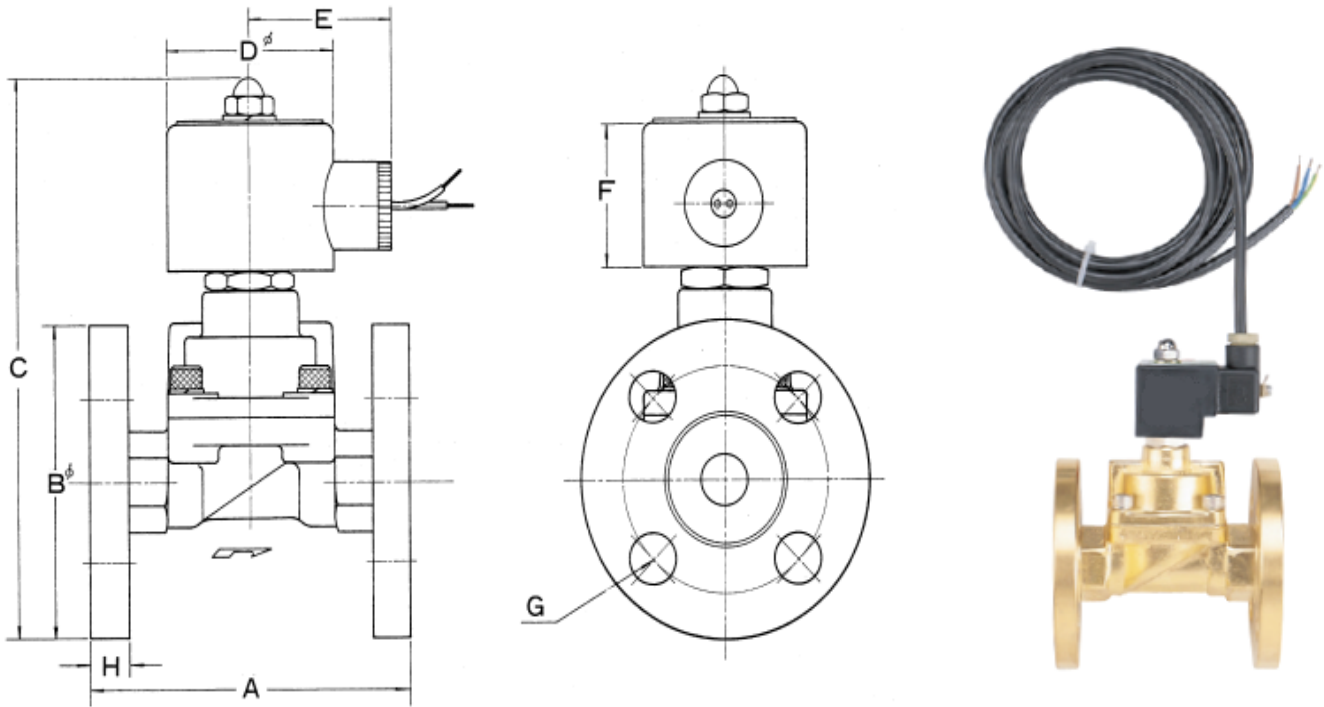
Unit: mm

• B75 – THH/TH Operation Chart



No.	Item	Material
1	Valve Body	Forged Brass
2	Piston Seat	Teflon®
3	Leak proof Gasket	Teflon®
4	Fixed Pin	Stainless Steel
5	Piston Ring	MoS ₂ +Teflon®
6	Piston	Brass
7	Spring	Stainless Steel
8	Valve Bonnet	Forged Brass
9	Sleeve	Stainless Steel
10	Seat	Teflon®
11	Spring	SUS 304
12	Armature Core	Stainless Steel
13	Solenoid Tube	Stainless Steel
14	Coil	Brass Wire

• **B75-AF-THH/TH Dimensions**



Model	A	B	C	D	E	F	G	G Hole No.	H
B75-6AF-25	130	125	188	53	47	43	19	4	14
B75-7AF-35	160	135	202	53	47	43	19	4	16
B75-8AF-35	160	140	205	53	47	43	19	4	16
B75-9AF-50	200	155	240	53	47	43	19	4	16

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.