

General Description

An economical general purpose industrial solenoid valve with encapsulated coil.

The soft close function helps reduce water hammer and is suitable for non aggressive media up to 40 CST viscosity.

Typical applications include:

Mechanical Services, Fluid Control, Irrigation, Air, Inert Gases and Light Oils.

Technical Specifications

Fluid temperature: -10°C to 80°C

Materials in contact: Body - Brass or Stainless Steel

Shading Ring: Copper

Operator: Stainless Steel

Seat: Nitrile NBR

Backing Washer: POM

Voltage variation: +10% -10% AC/DC

Duty rate: 100% (class F insulation)

Power: Sizes 1/4" to 1" - 11VA AC, 15W DC

Sizes 1 1/4" to 2" - 20VA AC, 21W DC (12V)

17W DC (24V)

Connector: Square Plug

Protection: IP65

Ambient temp: -10°C to +45°C



***Voltage Codes** 1 - 240v AC 7 - 12v DC
2 - 110v AC 8 - 24v DC
5 - 24v AC

Other voltages upon request.

MODEL	FUNCTION		ORIFICE Ømm	CV	PRESSURE (BAR)		MEDIA TEMP (Nitrile)	WEIGHT kg
	PORT SIZE- BSP				AC	DC		

SERVO ASSISTED DIAPHRAGM VALVE - BRASS BODY - NORMALLY CLOSED (N.C)

B35 - 2-10 - * N	N.C.	1/4	10	2.3	0.3-10	0.3-10 #	-10°C	0.5
B35 - 3-10 - * N		3/8	10	2.3	0.3-10	0.3-10 #		0.5
B35 - 4-10 - * N		1/2	10	3	0.3-10	0.3-10 #		0.5
B35 - 4-14 - * N		1/2	14	5	0.3-10	0.3-10 #		0.7
B35 - 5-14 - * N		3/4	14	5	0.3-10	0.3-10 #		1.4
B35 - 5-20 - * N		3/4	20	10	0.3-16	0.3-16		1.3
B35 - 6-20 - * N		1	20	11	0.3-16	0.3-16		1.3
B35 - 7-40 - * N		1 1/4	40	28	0.7-16	0.7-16		2.9
B35 - 8-40 - * N		1 1/2	40	34	0.7-16	0.7-16		2.8
B35 - 9-50 - * N	N.C.	2	50	50	0.7-16	0.7-16	80°C	4.2

SERVO ASSISTED DIAPHRAGM VALVE - BRASS BODY - NORMALLY OPEN (N.O)

B36 - 4 - 14 - * N	N.O.	1/2	14	5	0.3-10	0.3-10 #	-10°C	0.7
B36 - 5 - 20 - * N		3/4	20	10	0.3-16	0.3-16		1.3
B36 - 6 - 20 - * N		1	20	11	0.3-16	0.3-16		1.3
B36 - 7 - 40 - * N		1 1/4	40	28	0.7-16	0.7-16		2.1
B36 - 8 - 40 - * N		1 1/2	40	34	0.7-16	0.7-16		2.8
B36 - 9 - 50 - * N	N.O.	2	50	50	0.7-16	0.7-16	80°C	4.2

SERVO ASSISTED DIAPHRAGM VALVE - ST.ST. BODY - NORMALLY CLOSED (N.C)

S35 - 2-10 - * N	N.C.	1/4	10	2.3	0.3-10	0.3-10 #	-10°C	0.45
S35 - 3-10 - * N		3/8	10	2.3	0.3-10	0.3-10 #		0.45
S35 - 4-10 - * N		1/2	10	3	0.3-10	0.3-10 #		0.45
S35 - 5-20 - * N		3/4	20	10	0-10	0-10		1.4
S35 - 6-20 - * N	N.C.	1	20	11	0-10	0-10	80°C	1.3

IMPORTANT - Chemical Resistance:

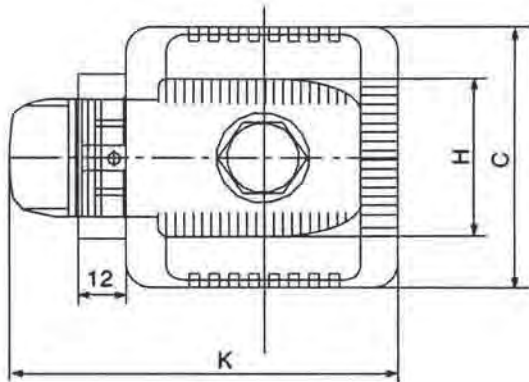
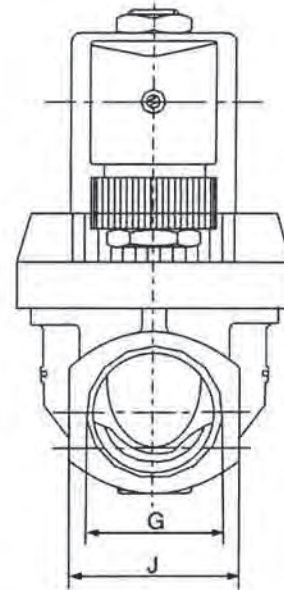
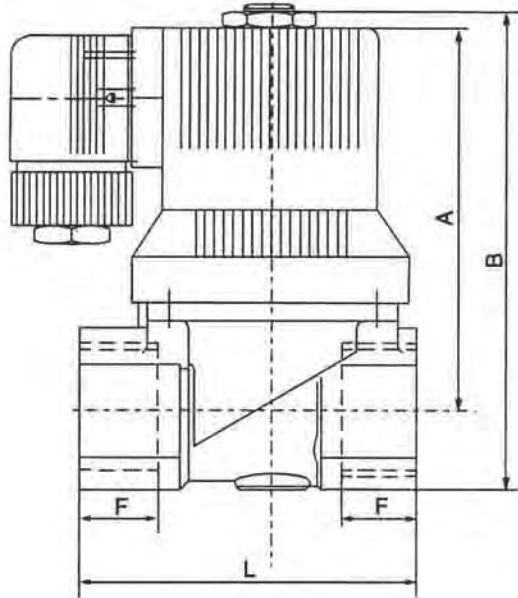
For specific information on chemical resistance of valve components to various Liquids and Gases, refer to the manufacturer or your distributor.

See overpage for applications warning. It is the responsibility of the user to determine suitability of the seat and body materials to the application.

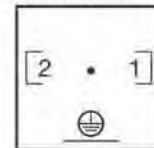
= 12vDC & 24vAC
= 0.3-7 Bar

Ordering Example: B35-4-10-IN 1/2"BSP, 2 way N.C., 0.3-10 Bar,
10mm orifice, NBR diaphragm, 240v AC c/w connector plug.

Dimensions



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



Earth Terminal

MODEL	G	C	F	L	J	A	B	H	K
B35/S35-2-10	G1/4	38	14	50	26	71	85	35	80
B35/S35-3-10	G3/8	38	14	50	26	71	85		
B35/S35-4-10	G1/2	38	14	50	26	71	85		
B35/B36-4-14	G1/2	45	16	58	31	82	96		
B35-5-14	G3/4	45	16	58	31	82	96		
B35/B36/S35-5-20	G3/4	65	18	82	41	96	117		
B35/B36/S35-6-20	G1	65	18	82	41	96	117		
B35/B36-7-40	G1 1/4	96	20	132	58	112	145		
B35/B36-8-40	G1 1/2	96	20	132	58	112	145		
B35/B36-9-50	G2	111	22	160	70	125	166		



24 Palmerston Road West, Ringwood Vic 3134
Ph (03) 9872 7474 Fax (03) 9872 7444
Freecall 1800 333 191

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 Stokes.

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.

ABN 24 004 554 929