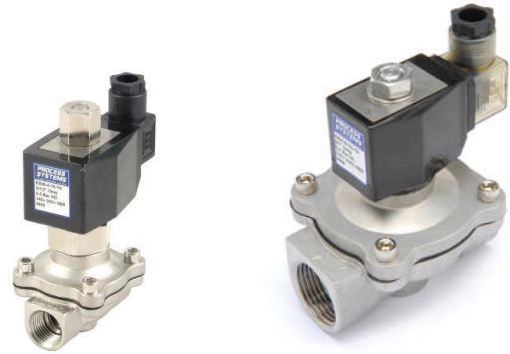


'Econo' 304 STAINLESS STEEL BODY

General Description

A high flow valve with 304 Stainless Steel body and operator. Standard diaphragm materials are NBR for Pilot Plunger and Viton for Direct Acting Valve. Coil is weatherproof to IP65 and has an LED illuminated plug. Applications include: food, pharmaceutical & general industry, tank drain / low pressure service to 20 CST.



Technical Details

MODEL	FUNCTION/ PORT SIZE BSP	ORIFICE 0mm	CV	PRESSURE (BAR)		VACUUM Hg"	MEDIA TEMP	WEIGHT Kg	FEATURES
				AIR	LIQUID				

DIRECT PLUNGER OPERATION - NORMALLY CLOSED - 2 WAY

ES55-1-1-* V	N.C	1/8	1	0.04	0 ~ 40	0 ~ 40	27	-10°C	0.3	
ES55-2-2-* V	N.C	1/4	2	0.1	0 ~ 25	0 ~ 25			0.3	
ES55-2-3-* V	N.C	1/4	3	0.2	0 ~ 10	0 ~ 10			0.3	
ES55-2-4-* V	N.C	1/4	4	0.4	0 ~ 6	0 ~ 6	27	100°C	0.3	

PILOT PLUNGER - COUPLED DIAPHRAGM - NORMALLY CLOSED - 2 WAY

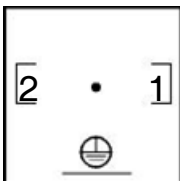
ES55-3-16-*N	N.C	3/8	16	2.4	0-7	0-5	27	-10°C	0.8	<p>Body & Operators: 304 stainless steel</p> <p>Seals: Standard NBR</p>
ES55-4-16-*N		1/2	16	4.5	0-7	0-5			0.8	
ES55-5-20-*N		3/4	20	9.3	0-7	0-5			0.9	
ES55-6-25-* N		1	25	13.2	0-7	0-5			1.35	
ES55-7-35-*N		1 1/4	35	26	0-7	0-5			2.5	
ES55-8-40-*N		1 1/2	40	26	0-7	0-5			2.5	
ES55-9-50-*N		2	50	48	0-7	0-5			4.5	
ES55-6AF-25-*N			25	13.2	0-7	0-5			5.0	
ES55-7AF-35-*N			35	26	0-7	0-5			7.5	
ES55-8AF-40-*N			40	26	0-7	0-5			7.5	
ES55-9AF-50-*N	N.C		50	48	0-7	0-5	27	80°C	11.0	

PILOT PLUNGER WITH LIFT DIAPHRAGM - NORMALLY OPEN - 2 WAY

ES56-3- 4-*N	N.O	3/8	4	0.5	0-7	0-5	27	-10°C	0.8	
ES56-4-16-*N		1/2	16	4.5	0-7	0-5			1.0	
ES56-5-20-* N		3/4	20	9.3	0-7	0-5			1.0	
ES56-6-25-*N		1	25	13.2	0-7	0-5			1.5	
ES56-7-35-*N		1 1/4	35	24	0-7	0-5			2.8	
ES56-8-40-*N		1 1/2	40	29	0-7	0-5			2.8	
ES56-9-50-*N	N.O	2	50	48	0-7	0-5	27	80°C	4.8	

DIRECT ACTING OPERATION - NORMALLY CLOSED - 3 WAY

ES57-1-1.5-*V	N.C.	1/8	1.0	0.05	0 ~ 16	0 ~ 16	27	-10°C	0.5	
ES57-1-2-* V	N.C.	1/8	2	0.1	0 ~ 10	0 ~ 10		100 °C	0.5	



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 seat and body materials to the application.

• COIL SPECIFICATIONS

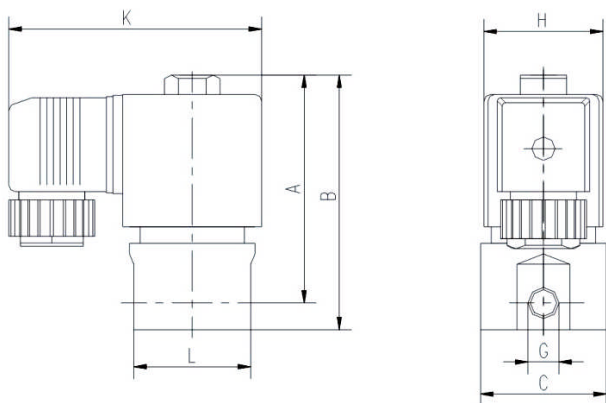
Model DIN	Power		Insulation Grade
	AC(VA) 50Hz 60Hz	DC (watt)	
ES55-1-2	11	15	Grade F
ES57-1	11	15	
ES55-3-6	18	16	
ES55-7-8	28	24	

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

HIGH FLOW / DIRECT ACTING / 304 STAINLESS ST. BODY / SOLENOID VALVE

'Econo' Series ES55

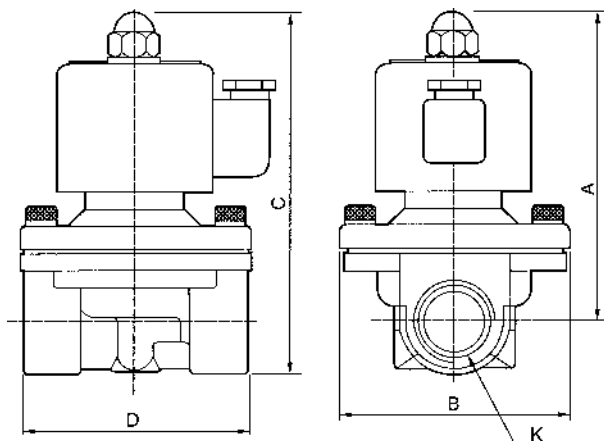
- Direct Plunger ;-ES55-1 2 way NC, ES57-1 3 way NC



- DIMENSIONS Unit: mm

Model	G	L	K	A	B	C	H
ES55-1	1/8	34	76	72	80	Ø38	36
ES55-2	1/4	34	76	72	80	Ø38	36
ES57-1	1/8	34	76	72	80	Ø38	36

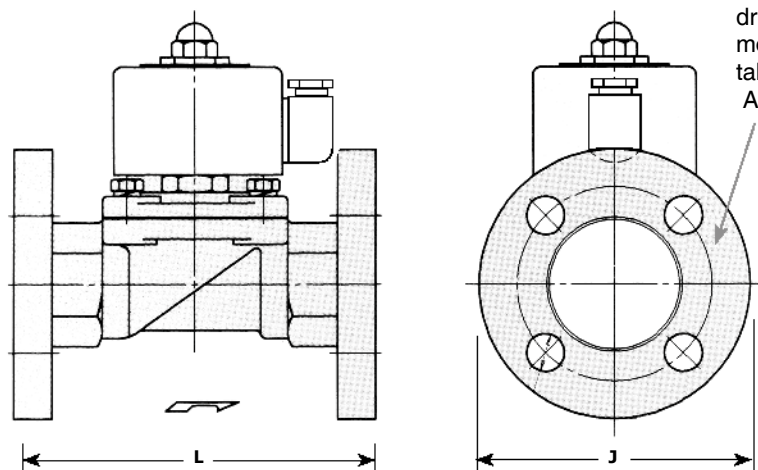
- Coupled Diaphragm - LED Connector Plug



- DIMENSIONS Unit: mm

Item Model	A	B	C	D	K BSP
ES55-3-16	93	56	106	69	3/8"
ES55-4-16	93	56	106	69	1/2"
ES55-5-20	100	55	117	73	3/4"
ES55-6-25	104	78	125	99	1"
ES55-7-35	141	93	172	124	1 1/4"
ES55-8-40	141	93	172	124	1 1/2"
ES55-9-50	157	124	195	172	2"
ES56-3-4	110	33	125	58	3/8"
ES56-4-16	120	56	172	69	1/2"
ES56-5-20	125	55	172	73	3/4"
ES56-6-25	125	78	195	99	1"

- Coupled Diaphragm - LED Connector Plug



Holes can be drilled to suit most flange tables ANSI-150(STD)

- DIMENSIONS (Approximate only)

Model	Item	L	J
ES55-6AF		130	125
ES55-7AF		160	135
ES55-8AF		160	140
ES55-9AF		200	155



This data sheet can be downloaded from our website.



PROCESS SYSTEMS PTY LTD

A.B.N. 15 010 932 386

Email: sales@processsystems.com.au

P.O. Box 2070 Wellington Pt. Qld. 4160

Corner Lytton & Ramsay Rd. Hemmant, Brisbane Queensland 4174 Australia

Website: www.valvesonline.com.au

Int. Fax +61 7 3890 3133

Phone 1300 887 880 (6 lines)

Int. Phone: +61 7 3890 3122

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 ES55/ES56/ES57 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.