

# 2/2 Way Pneumatic Piston Operated Normally Closed Valves

DATA SHEET  
6612E

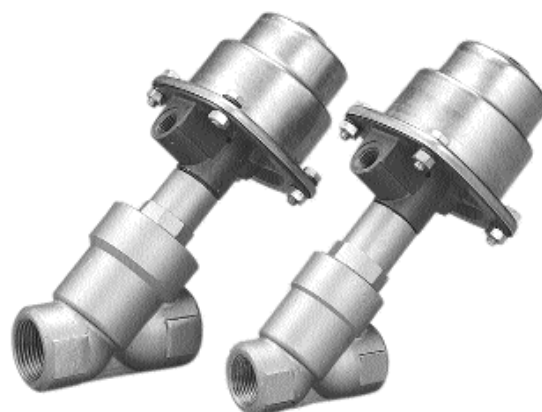
With Cylinder Actuator, Angle Type For On-Off Application  
(Rust Free Design)

## SPECIFICATIONS

Sizes	: 15 mm (1/2") to 50 mm (2")
<b>CONSTRUCTION</b>	
Body and Bonnet	: Investment casted ASTM-A, 351CF8 (St.St. 304) CF8M St.St. 316).
Pressure Temperature Rating	: As per ANSI class 300.
End Connections	: Standard BSP(F)/ NPT(F).
Seating	: Soft seated Teflon backed by EPDM. Optional-VITON /EPDM, Buna Nitrile.
Leakage	: As per ANSI B16.104 - 1976 Teflon seating class IV. For other soft seating class VI Drop Tight/ Bubble Tight.
Trim	: S.S. AISI 304/316.
Stem Packing	: Self adjusting, Spring loaded Teflon packing.
Characteristics	: On-Off, normally closed.
Working Fluid Pressure	: Refer to table below.
Working Temperature	: On steam-continuous 155°C Intermittent 180°C. with Teflon seating, Buna Nitrile 80°C., EPDM 135°C., VITON 180°C.

## ACTUATOR

Spring return type,	Pneumatic Cylinder.
Cylinder Cover	: S.S. AISI 304 (deep drawn).
Cylinder Flange	: Pressure die casted, aluminium silicon alloy, solution treated and hard anodised.
Piston	: Steel (deep drawn).
Piston Packing	: Buna Nitrile.
Actuator Spring	: IS 4454 Grade III, duly painted.
Actuator Working Signal Pressure	: 3.5 to 6 bar. (refer to graph).
Operating Cycles per hour	: 15mm, 20mm, 25mm upto 600 cy/hr. 35mm and 50mm upto 500 cy/hr. (tested on air, on other fluids, this figure may vary).
Life Expectancy	: Over one million cycles (lab tested in ideal condition).



Air Quality	: Lubricated /Non-lubricated.
Maximum Operating Pressure Differential	: Refer to graph.
Accessory	: Position indicating limit switch box, solenoid valve, filter regulator gauge. Other accessories available on application.
Application	: For control of air, water, oil, gas, steam in textile, power generation, paper & pulp, chemical, petro chemical industries, PSA nitrogen system, air dryer, gas generator and others.
Back Pressure	: All models except E35 mm and E50mm inlet pressure and back pressure is same. For model E35mm & E50mm max, back pressure is 2.5 bar.
Instruction Manual	: Refer to IM 6612E.

## SPECIFICATION TABLE

Catalogue Number	Size BSP (F)		orifice Size mm	flow Factor Kv m <sup>3</sup> /hr	Maximum Working Pressure bar	INLET POSITION	Safe Working Pressure bar	Actuator Type Cy	Air Consumption litres/cy
	Inch	mm							
6612E 15	1/2	15	16	4.3	16	FLTOCL	16	70	0.150
6612E 155	1/2	15	16	4.3	16	FLTOOP	16	70	0.150
6612E 20	3/4	20	16	5.4	16	FLTOCL	16	70	0.150
6612E 205	3/4	20	16	5.4	16	FLTOOP	16	70	0.150
6612E 25	1	25	23	13.6	16	FLTOCL	16	70	0.160
6612E 255	1	25	23	13.6	10	FLTOOP	16	70	0.160
6612E 35	1½	35	34	31.8	15	FLTOCL	16	70	0.172
6612E 355	1½	35	34	31.8	4	FLTOOP	16	70	0.172
6612E 50	2	50	45	54.5	6	FLTOCL	16	70	0.184
6612E 505	2	50	45	54.5	3	FLTOOP	16	70	0.184
6612E 354	1½	35	34	31.8	14	FLTOCL	16	100	0.310
6612E 3545	1½	35	34	31.8	16	FLTOOP	16	100	0.310
6612E 504	2	50	45	54.5	10	FLTOCL	16	100	0.329
6612E 5045	2	50	45	54.5	10	FLTOOP	16	100	0.329