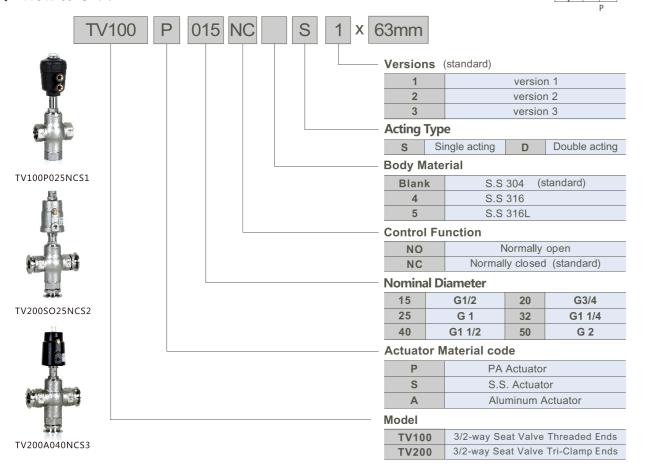
Pneumatically Operated 3-way Seat Valve

Series TV800/TV200

3/2-way Seat Valve **Pneumatically Operated, for** medium up to +180° C,threaded port & tri-clamp connection DN 15-50

- For mixing or distributing mediums;
- Controlled by a pilot valve;
- Flow optimized body in stainless steel;
- Long service life and maintenance-free operation.

♦ How to Order



Actuator Size

D 1 O :	Standard Actuator Size (mm)						
Port Size	PA	S.S.	AL				
DN15	40,50	40,50	40,50				
DN20 50,63,8		50,63,90	50,63,80				
DN25	50,63,80	50,63,90	50,63,80				
DN32	63,80,100	63,90	63,80,100				
DN40	63,80,100	63,90	63,80,100				
DN50	63,80,100	63,90	63,80,100				

TV100 Series 3-way seat valve consists of a pneumatically operated actuator and a 3-way valve body. The actuator is available in three different materials. PA. aluminum or stainless steel, depending on the ambient temperature and customer requirements. Materials available for the valve body are stainless steel 304,316 and 316L. Interchanging of pressure and service ports enables different fluidic circuit functions, such as mixing or distributing mediums The flow-optimized valve body of TV100 allows excellent flow rates. The tried and tested self-adjusting gland secures a high level of tightness and thus ensures reliable operation over years. The 3-way valve TV100 is controlled by a pilot valve. It can be equipped easily with an electrical position indicator. For the user, the compact TV100 is often an economical alternative to two single shut-off valves.

Control function A

(closed by spring force

Control function B

(open in rest position)

Control function I

(double-acting actuator)

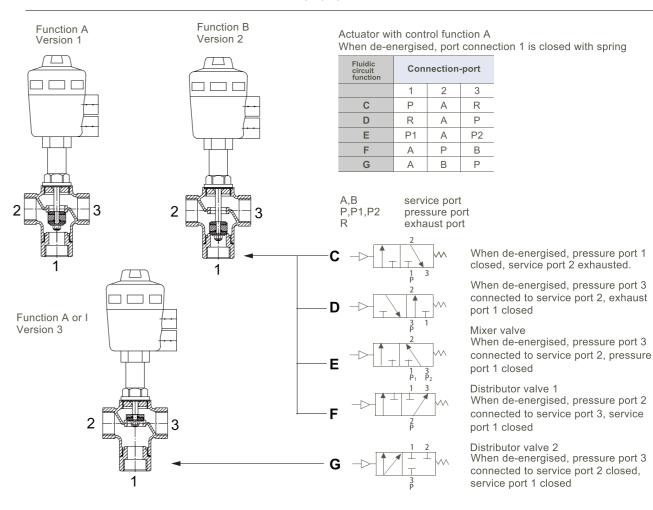
in rest position)

Symbol

Pneumatically Operated 3-way Seat Valve Series TV800/TV200



Connections for fluidic circuit functions C. D. E. F and G



Ordering chart for valves with port 1 closed by spring action (other versions on request)

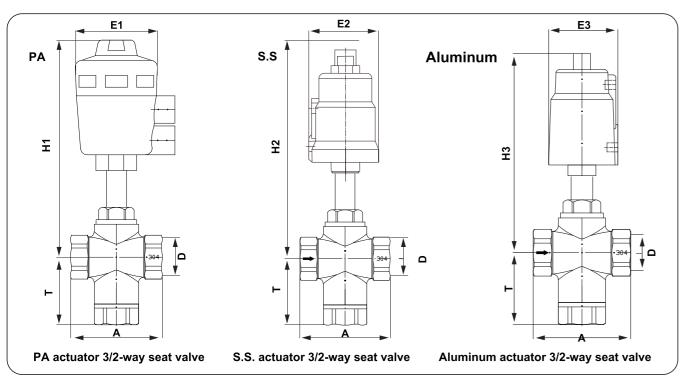
Specifications

Model /Specifica	Model /Specifications		DN20	DN25	DN32	DN40	DN50	
Control Function	1	3/2-way normally closed(NC) (port 1)						
Actuator Materia	al	PA Actuator /S.S. Actuator / Aluminum Actuator						
Valve Body Mate	erial	S.S304 /316 /316L						
Nominal Pressur	re	PN16(body)						
Operating Meth	ethod Plunger Pilot							
Ambient and Flu	Ambient and Fluid Water, alcohol, oils, fuels, hydraulic fluid, alkaline solutions, salt solution, organic solutions, hot wa					s, hot water,steam		
Viscosity Max.60					00 ² mm /s			
Media Temperat	Media Temperature -10 ~180 ℃							
Ambient Tempe	rature	PA Actuator: -10 ~60℃ S.S. Actuator/Aluminum Actuator: -10 ~140℃						
Installation		As required, preferably with actuator in upright position						
Control Medium		Neutral gases,air						
Packing Gland (v	with silicone grease)	PTFE V-rings with spring compensation						
Seat Seal		PTFE/FPM/NBR						
Stem Seal		PTFE/FPM						
Piston Seal		FPM/NBR						
Mini.Pilot Pressu	Mini.Pilot Pressure (Bar)		4.5	4.5	5.0	5.2	5.2	
Port Size	Port Size		G3/4	G 1	G1 1/4	G1 1/2	G 2	
Nominal Diameter (mm)		13	18	24	31	35	45	
Vy (m a /la)	1 → 2	7	9	16	30	35	50	
Kv (m 3 / h)	2 -> 3	5	6	11	21	22	35	

Fescolo Pneumatic www.fescolo.com

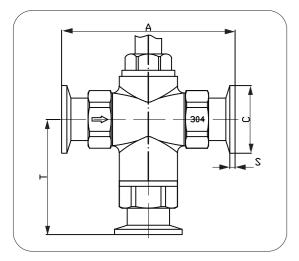
Pneumatically Operated 3-way Seat Valve Series TV800/TV200

♦ Dimensions [mm] 3/2-way Seat Valve Threaded Ends



Туре	Actuator size	Port size	Α	D	Т	H1	H2	Н3	E1	E2	E3
DN 15	50	G 1/2	76	G 1/2	58	185	188	188	63	63	65
DN 20	50	G 3/4	76	G 3/4	58	185	188	188	63	63	65
	63	G 3/4	76	G 3/4	58	224	223	218	80	76	77
DN 25	50	G 1	90	G 1	68	188	191	191	63	63	65
	63	G 1	90	G 1	68	227	226	221	80	76	77
DN 32	63	G 1-1/4	120	G 1-1/4	85	238	237	232	80	76	77
	80	G 1-1/4	120	G 1-1/4	85	255	257	247	100	101	96
DN 40	63	G 1-1/2	120	G 1-1/2	85	239	238	233	80	76	77
	80	G 1-1/2	120	G 1-1/2	85	256	258	248	100	101	96
DN 50	63	G 2	150	G 2	93	256	255	250	80	76	77
	80	G 2	150	G 2	93	273	275	265	100	101	96

♦ 3/2-way Seat Valve Tri-Clamp Ends



Туре	Α	С	S	Т
DN 15	116	50.5	3.5	78
DN 20	116	50.5	3.5	78
DN 25	130	50.5	3.5	88
DN 32	146	50.5	4.5	108
DN 40	146	64	4.5	108
DN 50	205	64	4.5	120