

**“ADCATROL” PNEUMATIC CONTROL VALVES**  
**PPV25I – ON-OFF ( Complete stainless steel )**  
**( DN 1/2” – 1” )**  
**(V25I globe valves series with linear piston actuators PP series)**

#### DESCRIPTION

The PPV25I on-off valves are single seated, two-way body constructed with in-line straight connections. The PPI pneumatic actuator is of the piston type. Their wide application ranges allows to use this valve with the most common process fluids such as water, superheated water, steam, air, gas and other fluids.

#### MAIN FEATURES

Single seated, two ways, direct or reverse action valve.  
 Soft sealing as standard.  
 Actuator housing 360° rotation (clockwise).



OPTIONS:	Air filter regulator Normally open and double effect version. Limit switch Pilot solenoid valve
USE:	Saturated and superheated steam. Hot and superheated water. Air, gases and other noncorrosive fluids.
AVAILABLE MODELS:	PPV25I - Stainless steel
VALVE SIZES:	DN 1/2" to 1"
CONNECTIONS:	Threaded ISO or ANSI
ACTUATORS:	PPI-63 ( Stainless steel )
ACTUATOR CONN:	G1/8"
CONTROL SIGNAL:	5 - 8 bar

**HOW TO SELECT:** Never size the valve according to the pipe diameter in which it has to be fitted but according to the required actual flow of steam or water. Refer to valve calculation data sheet or consult the factory.

VALVE LIMITING CONDITIONS:	Body design conditions: PN25 25 bar at 100°C 21 bar at 200°C 19,8 bar at 250°C 18,5 bar at 300°C Min.working temperature: -10°C
MAX. AIR SUPPLY PRESSURE:	8 bar
AMBIENT TEMPERATURE:	-20°C ...+70°C
BONNET :	From -5°C to +200°C (standard)
STEM SEALING:	PTFE/GR V-Rings - up to 220°C (Standard bonnet)
PLUG TYPES:	On-Off (PT)
PORT:	Full port as standard

CE MARKING (PED - European Directive 97/23/EC)	
PN 25	Category
DN 1/2" to 1"	SEP - art. 3, paragraph3

**MAX. PERMISSIBLE PRESS.DROP IN bar - Normally closed valve (fluid to open) -  
Reverse action actuator (air signal to open)**

ACTUATOR	SIZES		
	DN 1/2"	DN 3/4"	DN 1"
	Kvs 5,2	Kvs 7,3	Kvs 11,7
PPI-63	21	18	8
PPI-90	25	25	24

Kvs in m<sup>3</sup>/h , see data sheet IS PV10.00 E ;

For conversion Kvs = Cv(US) x 0,855

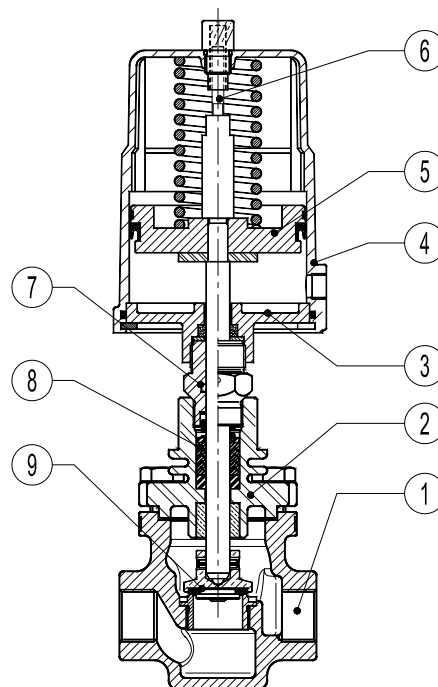
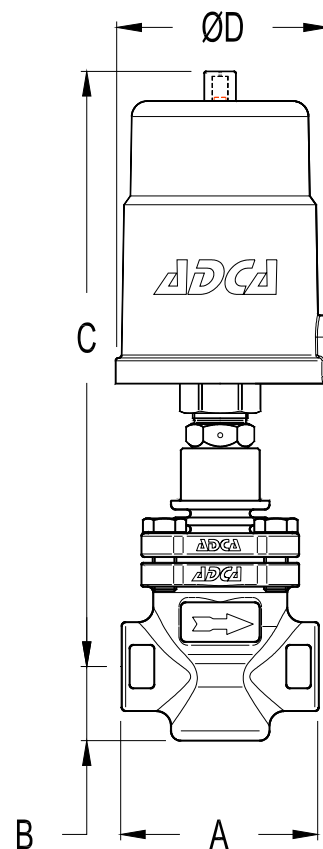
#### DIMENSIONS ( mm )

DN	A	B	C	Ø D	WEIGHT Kgs
1/2"	100	37,5	250	75	3,9
3/4"	100	37,5	250	75	3,9
1"	100	37,5	250	75	4,9

#### MATERIALS

POS.	DESIGNATION	MATERIAL
1	Valve Body	CF8M / 1.4408
2	Bonnet	CF8M / 1.4408
3	Actuator Flange	CF8 / 1.4308
4	Actuator Cover	CF8 / 1.4308
5	Piston	Aluminium
6	Indication Stem	Plastic
7	Gland Nut	AISI 316 / 1.4401
8	* Packing	PTFE / GR
9	* Valve Plug	1.4401 / PTFE-GR

\* Available spare parts



## ORDERING CODES PPV25I

<b>VALVE CODES</b>				<b>PPV</b>	<b>.25I</b>				<b>.X.</b>		
<b>Group Designation</b>											
Pneumatic on-off valve				<b>PPV</b>							
<b>Valve Model</b>											
Two way straight design,stainless steel construction					<b>.25I</b>						
<b>Valve Plug</b>											
Soft (PTFE/GR) PT Type						<b>1</b>					
<b>Pipe Connection</b>											
Threaded BSP ISO 7/1 Rp							<b>A</b>				
Threaded NPT ANSI B1.20.1							<b>C</b>				
<b>Size</b>											
DN 1/2"								<b>15</b>			
DN 3/4"								<b>20</b>			
DN 1"								<b>25</b>			
<b>Fluid Direction</b>											
Normally closed valve,fluid enter above the seat									<b>A</b>		
Normally closed valve,fluid enter below the seat									<b>B</b>		
<b>Actuator</b>										<b>(1)</b>	
<b>Extras (3)</b>											<b>E</b>

ACTUATOR CODES ( pneumatic )		PI.			
Group Designation					
Piston linear actuator		PI.			
Actuator Size					
Piston pneumatic actuator PPI 63			.63		
Piston pneumatic actuator PPI 90					
Actuator Type					
Direct action (air to close)			.D		
Reverse action (air to open)			.R		
Actuator Constrution					
Stainless steel				(2)	(3)-

► To be introduced on ".X.", if supplied in combination with the valve.

- (1)- Indicate actuator type.
- (2)- Omitted if the standard actuator is selected.
- (3)- To be used only when a non-standard combination valve is supplied