

Terminal Unit Valves

VP1000

DN15...32, PN25

VP1000 Pressure independent control valve is a combination of a differential pressure regulator and a regulating valve for flow adjustment.

VP1000 valves offer a remarkable adjustment flexibility. They can be accurately set to a specific flow rate value and they allow precise modulating control. The valves always guarantee a suitable flow rate, therefore avoiding too high energy consumption.

VP1000 valve maximum adjustment matches the maximum flow rate allowed by the pipe size, on the basis of the values established by international standards.

Following actuators are available:

VA-707x ON/OFF thermal;

VA-709x thermal 0...10 VDC;

VA-748x floating and proportional electric.



Features

- Kvs calculation is not necessary
- Valve authority calculation is not required
- Specific devices or knowledge are not necessary
- Compact design that allows installing the valve also in small spaces such as fan-coils or narrow supply spaces
- Flow rate adjustment without disassembling the actuators

Ordering Codes *	Body Size	Connection Size	l/h
VP10xAAA	DN15	1/2"	150
VP10xAAE	DN15	1/2"	600
VP10xAAG	DN15	1/2"	780
VP10xBAJ	DN20	3/4"	1000
VP10xBAN	DN20	3/4"	1500
VP100CAU	DN25	1"	2200
VP100CAW	DN25	1"	2700
VP100DAW	DN32	1 1/4"	2700
VP100DAY	DN32	1 1/4"	3000

Note:

* x = 0 = Pressure Port Included
 1 = No Pressure Port Included

HVAC CONTROL PRODUCTS Valves

Technical specifications

	VP10xAAA	VP10xAAE	VP10xAAG	VP10xBAJ	VP10xBAN
Flow rate max.	150 l/h - 0,042 l/s	600 l/h - 0,167 l/s	780 l/h - 0,217 l/s	1000 l/h - 0,278 l/s	1500 l/h - 0,417 l/s
Accuracy 0 ÷ 1 bar	± 5%				
Start-up max.	20 kPa - 0,20 bar			25 kPa - 0,25 bar	
ΔP max.	400 kPa - 4 bar				
Leakage	0,01% of Flow Rate				
Temperature	-10 ÷ 120 °C				
Working pressure max.	2500 kPa - 25 Bar				
Fittings	Female BSPP Rp 1/2" EN 10226-1			Female BSPP Rp 3/4" EN 10226-1	

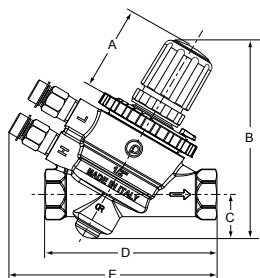
	VP100CAU	VP100CAW	VP100DAW	VP100DAY
Flow rate max.	2200 l/h - 0,611 l/s	2700 l/h - 0,750 l/s		3000 l/h - 0,833 l/s
Accuracy 0 ÷ 1 bar	± 5%			
Start-up max.	25 kPa - 0,25 bar			
ΔP max.	400 kPa - 4 bar			
Leakage	0,01% of Flow Rate			
Temperature	-10 ÷ 120 °C			
Working pressure max.	2500 kPa - 25 Bar			
Fittings	Female BSPP Rc 1" EN 10226-1		Female BSPP Rc 1 1/4" EN 10226-1	

HVAC CONTROL PRODUCTS Valves

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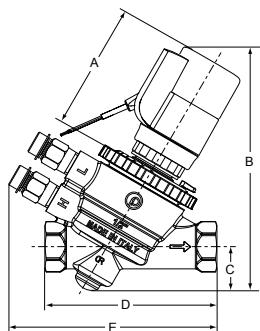
VP1000

Dimensional data DN15 - DN20 (in mm)



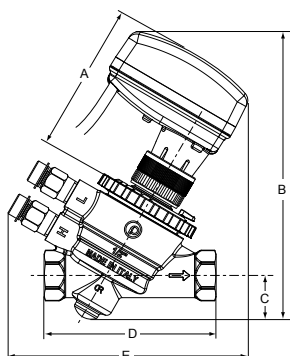
Manual valve

Size	A	B	C	D	E
DN15	47	115	25	99	120
DN20	47	115	25	108	120



Valve with thermal actuator VA-707x / VA-709x

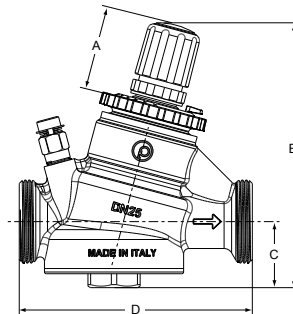
Size	A	B	C	D	E
DN15	75	143	25	99	127
DN20	75	143	25	108	127



Valve with motorized actuator VA-748x

Size	A	B	C	D	E
DN15	80	166	25	99	130
DN20	80	166	25	108	130

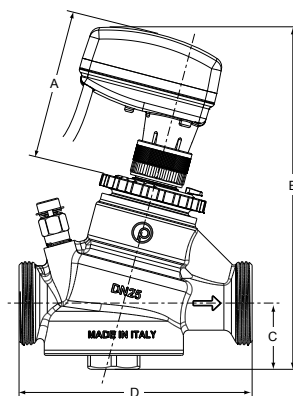
Dimensional data DN25 - DN32 (in mm)



Manual valve

Size	A	B	C	D *
DN25	47	152	38	134
DN32	47	152	38	134

* Dimensional data without fittings



Manual valve

Size	A	B	C	D *
DN25	80	193	38	134
DN32	80	193	38	134

* Dimensional data without fittings