

EasyLogic™ VP226R

Pressure Independent Balance & Control Valve (PIBCV)

The EasyLogic VP226R is an internally threaded pressure independent valve (PIBCV).

Regulatory Compliance and Safety Information

All pressurized equipment and electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

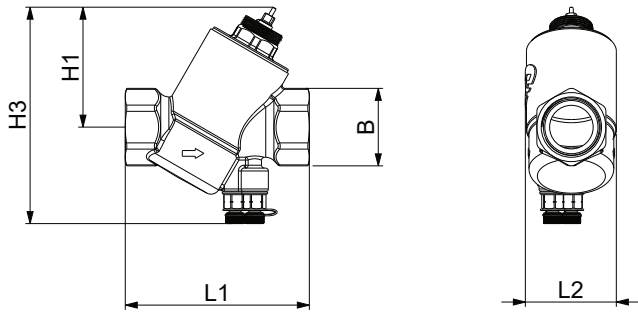
Carefully read these instructions and all information relevant to this product before trying to install it.

The technical literature and declarations of conformity can be accessed by searching for the part number on the Schneider Electric website, www.se.com. Contact your local Schneider Electric sales office for a hard copy of the documentation or for additional information.

Part Numbers

Product	Part Number	Actuators
DN32 (1 1/4")	VP226R32BQS	MP121E24M MP150E24MP

Dimensions



Type	Size	L1	L2	B	H1	H2	H3	Valve weight (kg)
VP226R32BQS	DN32	128	64	54	84	-	151	1.72

Mounting position and Flow Direction

Prior to installing the VP226R, the system should be properly flushed.

The desired flow rate is hereafter set by turning the valve flow setting knob clockwise down to the desired setting scale.

NOTICE

RISK OF EQUIPMENT DAMAGE

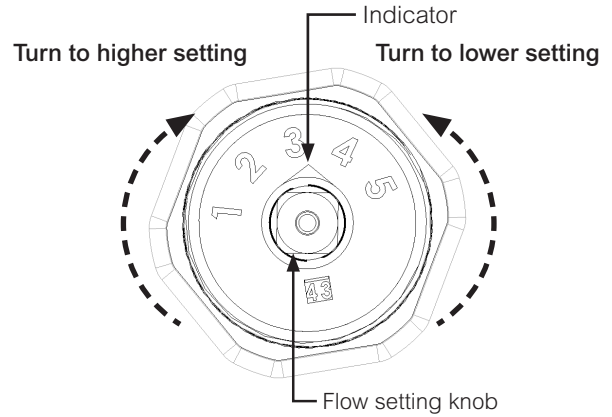
Tighten the actuator by hand only. Do not apply excessive torque to the flow setting knob, as this may cause damage.

Failure to follow these instructions can result in equipment damage.

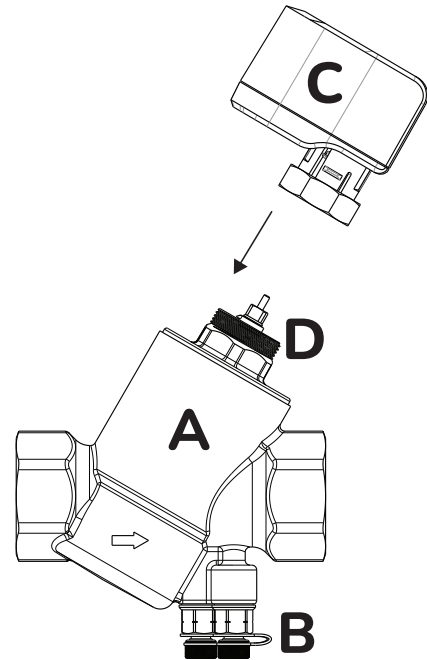
Range is between 1.0 and 5.0. Do not overturn!

The scale setting is located on top of the valve, and the position is defined by an indication mark on top of the housing. Once the flow is set using the knob, the required actuator may be mounted and commissioned. If the hydronic system requires the valve to be open for filling and dosing, draining, etc., then the actuator should be driven, manually or electronically, to open the valve fully. Refer to specific installation instructions for the selected actuator.

Note: The valve is fully open when its stem is extended. Pushing down on the stem closes the valve.



General Assembly Drawing



- A: VP226R32BQS valve
- B: T/P plugs (2 pcs.)
- C: Actuator (version shown MP121E24M)
- D: Flow setting knob

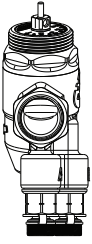
NOTICE

RISK OF IMPAIRED PERFORMANCE

- The flow must be set on PIBCV valves before the actuator is mounted.
- Do not power up the actuator before it is mounted on the valve.
- Ensure the valve is installed in the correct direction of the medium flow.

Failure to follow these instructions can result in impaired device performance.

Flow Rates



A setting of 3.4 corresponds to a maximum flow rate of:
VP226R32BQS: 0.9128 l/sec

	Flow Setting	VP226R32BQS – DN32 (1") 45-600 kPaD 6.53-87 psid	
		l/sec	l/hr
Nominal Flow Rate	1	0.2472	890
	1.1	0.2836	1021
	1.2	0.3214	1157
	1.3	0.3567	1284
	1.4	0.3894	1402
	1.5	0.4247	1529
	1.6	0.4572	1646
	1.7	0.4875	1755
	1.8	0.5178	1864
	1.9	0.5478	1972
	2	0.5781	2081
	2.1	0.6058	2181
	2.2	0.6333	2280
	2.3	0.6611	2380
	2.4	0.6861	2470
	2.5	0.7114	2561
	2.6	0.7367	2652
	2.7	0.7592	2733
	2.8	0.7844	2824
	2.9	0.8069	2905
	3	0.8297	2987
	3.1	0.8497	3059
	3.2	0.8725	3141
	3.3	0.8925	3213
	3.4	0.9128	3286
	3.5	0.9328	3358
	3.6	0.9531	3431
	3.7	0.9706	3494
	3.8	0.9906	3566
	3.9	1.0083	3630
4	1.0258	3693	
4.1	1.0436	3757	
4.2	1.0611	3820	
4.3	1.0786	3883	
4.4	1.0964	3947	
4.5	1.1114	4001	
4.6	1.1292	4065	
4.7	1.1467	4128	
4.8	1.1617	4182	
4.9	1.1794	4246	
5	1.1944	4300	

Accuracy: Greatest of either $\pm 10\%$ of controlled flow rate or $\pm 5\%$ of maximum flow rate.

Note: If used in a pressure range >400 kPaD (58 psid), the accuracy will be 'Greatest of either -20% to 0% of controlled flow rate or $\pm 5\%$ of maximum flow rate'.