

Dual Gas Valves

Side valves for VQ-Modular



VB420



Class "A" add-on side valves, for use with VQ-Modular dual valves, 3/4" size.

- VB420-series: internal by-pass of the second main valve, to provide two-stage control.
- VP420-series: integrated pilot valve with external Rp 3/4" outlet.
- VV420-series: integrated normally open vent valve to depressurize space between the two main valves during stand-by. Models for left or right side mount.

Gas valve type	Add-on safety shutoff valve, uses 4 screws for fixation and a gasket for sealing.
Media	Natural gas, butane or propane.
Materials	<ul style="list-style-type: none"> • Valve body: aluminium die cast body. • Closing spring: AISI 302 steel. • Valve plunger: Chrome plated Fe 360B steel sliding on anti-friction bearing. • Seals and gaskets: Hydrocarbon resistant NBR rubber type.
Approvals	<p>Only approved in combination with the VQ-Modular series dual valves.</p> <ul style="list-style-type: none"> • CE (EN161), AGA
Note	<p>The VB-VP-VV models side valves are designed for:</p> <ul style="list-style-type: none"> • a maximum operating frequency of one cycle per minute. • ca. 500k cycles of operation.
Valve size	3/4 inch
Max. operating pressure	360 mbar
Ambient temperature	-15 ... 60 °C
Maximum closing time	1 s
Maximum flow	14.8 m ³ /h
Additional description	<ul style="list-style-type: none"> • The valve solenoids are suitable for permanent energizing, such as applications in continuous operation.

Internal by-pass valve, fast opening and with flow rate adjuster.

For mounting on either side of the valve body.

Supply voltage	Maximum opening time s	Electrical connection	Protection class	Power consumption W	Spare coil V1	Type
115 Vac	1	screw terminals	IP54	26	BB151107PG	VB420B1005
230 Vac	1	screw terminals	IP54	20	BB152305PG	VB420B1013
115 Vac	1	DIN plug	IP65	26	BB151107DIN	VB420B1021
230 Vac	1	DIN plug	IP65	20	BB152305DIN	VB420B1039

Internal by-pass valve, with adjustable slow opening, step-open and flow rate adjuster.

For mounting on either side of the valve body.

Supply voltage	Maximum opening time s	Electrical connection	Protection class	Power consumption W	Spare coil V1	Type
115 Vac	30	screw terminals	IP54	26	BB151107PG	VB420C1006
230 Vac	30	screw terminals	IP54	20	BB152305PG	VB420C1014
115 Vac	30	DIN plug	IP65	26	BB151107DIN	VB420C1022
230 Vac	30	DIN plug	IP65	20	BB152305DIN	VB420C1030

Dual Gas Valves

1



VP420

Pilot valve, fast opening and with flow rate adjuster. With Rp 3/4" internal pipe thread. For mounting on either side of the valve body.

Supply voltage	Maximum opening time s	Electrical connection	Protection class	Power consumption W	Spare coil V1	Type
115 Vac	1	screw terminals	IP54	26	BB151107PG	VP420B1003
230 Vac	1	screw terminals	IP54	20	BB152305PG	VP420B1011
115 Vac	1	DIN plug	IP65	26	BB151107DIN	VP420B1029
230 Vac	1	DIN plug	IP65	20	BB152305DIN	VP420B1037



VV420-RIGHT

Pilot valve, with adjustable slow opening, step-open and flow rate adjuster. With Rp 3/4" internal pipe thread. For mounting on either side of the valve body.

Supply voltage	Maximum opening time s	Electrical connection	Protection class	Power consumption W	Spare coil V1	Type
115 Vac	30	screw terminals	IP54	26	BB151107PG	VP420C1004
230 Vac	30	screw terminals	IP54	20	BB152305PG	VP420C1012
115 Vac	30	DIN plug	IP65	26	BB151107DIN	VP420C1020
230 Vac	30	DIN plug	IP65	20	BB152305DIN	VP420C1038



VV420-LEFT

Normally open vent valve series. With Rp 3/4" internal pipe thread, for mounting on the right side of the valve body.

Supply voltage	Maximum opening time s	Electrical connection	Protection class	Power consumption W	Spare coil V1	Type
115 Vac	1	screw terminals	IP54	26	BB151107DIN	VV420A1002
230 Vac	1	screw terminals	IP54	20	BB152310DIN	VV420A1010
115 Vac	1	DIN plug	IP65	26	BB151107DIN	VV420A1028
230 Vac	1	DIN plug	IP65	20	BB152310DIN	VV420A1036

Normally open vent valve series. With Rp 3/4" internal pipe thread, for mounting on the left side of the valve body.

Supply voltage	Maximum opening time s	Electrical connection	Protection class	Power consumption W	Spare coil V1	Type
115 Vac	1	screw terminals	IP54	26	BB151107DIN	VV420A1044
230 Vac	1	screw terminals	IP54	20	BB152310DIN	VV420A1051
115 Vac	1	DIN plug	IP65	26	BB151107DIN	VV420A1069
230 Vac	1	DIN plug	IP65	20	BB152310DIN	VV420A1077



CO020012

DIN connector (to be ordered separately)

Standard DIN connector, colour black.

CO020012