

Dual Gas Valves

1

Combination valve VQ-Modular

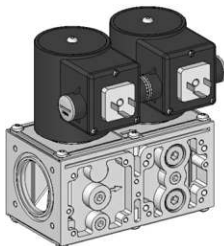
Class "A" Combination Gas Valve, up to 2" connection size. Special flanges are available for pipe sizes from 1/2" up to 2". Modular design:

- other valves can be fitted to each side of the valve body, such as a vent valve, pilot valve or or external bypass valve;
- special gas pressure switch models are available for direct mounting on either side of the valve body.

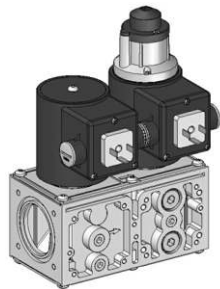
For control and regulation of gaseous fuels in gas power burners, gas boilers, ovens, furnaces and other gas consuming appliances.



VQ-MODULAR



VQ425MA



VQ425MC

Gas valve type

2 safety shutoff valves in series, without pressure regulator.

First safety valve V1

Always fast opening.

Second safety valve V2

Available models:

- MA - fast open
- MB - fast open with flow rate adjuster (factory set at fully open)
- MC - adjustable slow open (1..30 sec) with flow rate adjuster and step-open feature (factory settings: no step, ca. 6 sec slow-open and maximum flow)

Port connection

Honeywell flanges

Media

Designed for use with natural gas, butane or propane.

Materials

- 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.
- CE approved, class "A" in accordance with EN161
- GOST
- AGA

Approvals

Note

- The VQ-Modular is designed for a maximum operating frequency of one cycle per minute.
- The small body size models are designed for ca. 500k cycles of operation.
- The large body size models are designed for ca. 300k cycles of operation.

Max. operating pressure

360 mbar

Ambient temperature

-15 ... 60 °C

Maximum closing time

1 s

Additional description

- The valve solenoids are suitable for permanent energizing, such as applications in continuous operation.
- Various pressure tap points are available on both sides of the valve body as well as on the flanges.
- An optional Closed Position Indication Switch (CPI) can be mounted on the bottom of the first safety valve V1

Dual Gas Valves

VQ-Modular series dual valve

Supply voltage	Valve size inch	Maximum opening time s	General features	Electrical connection	Protection class	Power consumption W	Maximum flow m ³ /h	Optional CPI-switch	Spare coil V1	Spare coil V2	Type
115/230 Vac	3/4 .. 2	–		PG11 or DIN plug	IP54 or IP65	15	8	MS06-series	See table	See table. Not for MC.	VQ4xxMx

First and second valve fast opening

Supply voltage	Valve size inch	Maximum opening time s	General features	Electrical connection	Protection class	Power consumption W	Maximum flow m ³ /h	Optional CPI-switch	Spare coil V1	Spare coil V2	Type
230 Vac	3/4	1		PG11	IP54	15	8	MS062001	BB052302PG	BB052302PG	VQ420MA1004
230 Vac	3/4	1		DIN plug	IP65	15	8	MS062001	BB052302DIN	BB052305DIN	VQ420MA1012
230 Vac	1	1		PG11	IP54	21,1	11	MS062501	BB052326PG	BB052326PG	VQ425MA1005
230 Vac	1	1		DIN plug	IP65	21,1	11	MS062501	BB052326DIN	BB052326DIN	VQ425MA1013
115 Vac	1	1		DIN plug	IP65	23,9	11	MS062501	BB051126DIN	BB051126DIN	VQ425MA1038
230 Vac	1.1/2	1		PG11	IP54	46,5	31	MS064001	BB052306PG	BB052306PG	VQ440MA1006
230 Vac	1.1/2	1		DIN plug	IP65	46,5	31	MS064001	BB052306DIN	BB052306DIN	VQ440MA1014
230 Vac	1.1/2	1		DIN plug	IP65	46,5	31	MS064001	BB052306DIN	BB052306DIN	VQ440MA1030
230 Vac	1.1/2	1	Viton	DIN plug	IP65	46,5	31	MS064001	BB052306DIN	BB052306DIN	VQ440MA1048
230 Vac	2	1		PG11	IP54	61	40	MS065001	BB052309PG	BB052309PG	VQ450MA1007
230 Vac	2	1		DIN plug	IP65	61	40	MS065001	BB052309DIN	BB052309DIN	VQ450MA1015

First valve fast opening. Second valve fast opening and with flow rate adjuster

Supply voltage	Valve size inch	Maximum opening time s	General features	Electrical connection	Protection class	Power consumption W	Maximum flow m ³ /h	Optional CPI-switch	Spare coil V1	Spare coil V2	Type
230 Vac	3/4	1		PG11	IP54	15	8	MS062001	BB052302PG	BB152305PG	VQ420MB1003
230 Vac	3/4	1		DIN plug	IP65	15	8	MS062001	BB052302DIN	BB152305DIN	VQ420MB1011
230 Vac	1	1		PG11	IP54	21,1	11	MS062501	BB052326PG	BB152324PG	VQ425MB1004
230 Vac	1	1		DIN plug	IP65	21,1	11	MS062501	BB052326DIN	BB152324DIN	VQ425MB1012
230 Vac	1.1/2	1		PG11	IP54	46,5	31	MS064001	BB052306PG	BB152342PG	VQ440MB1005
230 Vac	1.1/2	1		DIN plug	IP65	46,5	31	MS064001	BB052306DIN	BB152342DIN	VQ440MB1013
230 Vac	2	1		PG11	IP54	61	40	MS065001	BB052309PG	BB152307PG	VQ450MB1006
230 Vac	2	1		DIN plug	IP65	61	40	MS065001	BB052309DIN	BB152307DIN	VQ450MB1014

First valve fast opening. Second valve adjustable slow opening, step-open and flow rate adjuster

Supply voltage	Valve size inch	Maximum opening time s	General features	Electrical connection	Protection class	Power consumption W	Maximum flow m ³ /h	Optional CPI-switch	Spare coil V1	Spare coil V2	Type
230 Vac	3/4	30		PG11	IP54	15	8	MS062001	BB052302PG	–	VQ420MC1002
230 Vac	3/4	30		DIN plug	IP65	15	8	MS062001	BB052302DIN	–	VQ420MC1010
230 Vac	1	30		PG11	IP54	21,1	11	MS062501	BB052326PG	–	VQ425MC1003
230 Vac	1	30		DIN plug	IP65	21,1	11	MS062501	BB052326DIN	–	VQ425MC1011
115 Vac	1	30		PG11	IP54	23,9	11	MS062501	BB051126PG	–	VQ425MC1029
230 Vac	1.1/2	30		PG11	IP54	46,5	31	MS064001	BB052306PG	–	VQ440MC1004
230 Vac	1.1/2	30		DIN plug	IP65	46,5	31	MS064001	BB052306DIN	–	VQ440MC1012
115 Vac	1.1/2	30		DIN plug	IP65	52	31	MS064001	BB051152DIN	–	VQ440MC1029
230 Vac	2	30		PG11	IP54	61	40	MS065001	BB052309PG	–	VQ450MC1005
230 Vac	2	30		DIN plug	IP65	61	40	MS065001	BB052309DIN	–	VQ450MC1013
230 Vac	2	30	Factory mounted 1" by-pass valve	DIN plug	IP65	61	40	MS065001	BB052309DIN	–	VQ450BB1005M