

# Dual Gas Valves

## Combination valve VQ-Modular

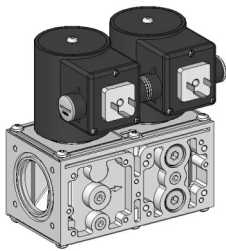
Class "A" Combination Gas Valve, up to 2" connection size. Special flanges are available for pipe sizes from 1/2" up to 2". Modular design:

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

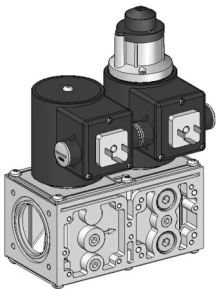
For control and regulation of gaseous fuels in gas power burners, gas boilers, ovens, furnaces and other gas consuming appliances.



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: <ul style="list-style-type: none"> <li>• MA - fast open</li> <li>• MB - fast open with flow rate adjuster (factory set at fully open)</li> <li>• 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)</li> </ul>
Port connection	Honeywell flanges
Media	Designed for use with natural gas, butane or propane.
Materials	<ul style="list-style-type: none"> <li>• Valve body: aluminium die cast body.</li> <li>• Closing spring: AISI 302 steel.</li> <li>• Valve plunger: Chrome plated Fe 360B steel sliding on anti-friction bearing.</li> <li>• Seals and gaskets: Hydrocarbon resistant NBR rubber type.</li> </ul>
Approvals	<ul style="list-style-type: none"> <li>• CE approved, class "A" in accordance with EN161</li> <li>• GOST</li> <li>• AGA</li> </ul>
Note	<ul style="list-style-type: none"> <li>• The VQ-Modular is designed for a maximum operating frequency of one cycle per minute.</li> <li>• The small body size models are designed for ca. 500k cycles of operation.</li> <li>• The large body size models are designed for ca. 300k cycles of operation.</li> </ul>
Max. operating pressure	360 mbar
Ambient temperature	-15 ... 60 °C
Maximum closing time	1 s
Additional description	<ul style="list-style-type: none"> <li>• The valve solenoids are suitable for permanent energizing, such as applications in continuous operation.</li> <li>• Various pressure tap points are available on both sides of the valve body as well as on the flanges.</li> <li>• An optional Closed Position Indication Switch (CPI) can be mounted on the bottom of the first safety valve V1</li> </ul>

# 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 <sup>3</sup> /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.	<b>VQ4xxMx</b>

## 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 <sup>3</sup> /h	Optional CPI-switch	Spare coil V1	Spare coil V2	Type
230 Vac	3/4	1		PG11	IP54	15	8	MS062001	BB052302PG	BB052302PG	<b>VQ420MA1004</b>
230 Vac	3/4	1		DIN plug	IP65	15	8	MS062001	BB052302DIN	BB052305DIN	<b>VQ420MA1012</b>
230 Vac	1	1		PG11	IP54	21,1	11	MS062501	BB052326PG	BB052326PG	<b>VQ425MA1005</b>
230 Vac	1	1		DIN plug	IP65	21,1	11	MS062501	BB052326DIN	BB052326DIN	<b>VQ425MA1013</b>
115 Vac	1	1		DIN plug	IP65	23,9	11	MS062501	BB051126DIN	BB051126DIN	<b>VQ425MA1038</b>
230 Vac	1.1/2	1		PG11	IP54	46,5	31	MS064001	BB052306PG	BB052306PG	<b>VQ440MA1006</b>
230 Vac	1.1/2	1		DIN plug	IP65	46,5	31	MS064001	BB052306DIN	BB052306DIN	<b>VQ440MA1014</b>
230 Vac	1.1/2	1		DIN plug	IP65	46,5	31	MS064001	BB052306DIN	BB052306DIN	<b>VQ440MA1030</b>
230 Vac	1.1/2	1	Viton	DIN plug	IP65	46,5	31	MS064001	BB052306DIN	BB052306DIN	<b>VQ440MA1048</b>
230 Vac	2	1		PG11	IP54	61	40	MS065001	BB052309PG	BB052309PG	<b>VQ450MA1007</b>
230 Vac	2	1		DIN plug	IP65	61	40	MS065001	BB052309DIN	BB052309DIN	<b>VQ450MA1015</b>

## 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 <sup>3</sup> /h	Optional CPI-switch	Spare coil V1	Spare coil V2	Type
230 Vac	3/4	1		PG11	IP54	15	8	MS062001	BB052302PG	BB152305PG	<b>VQ420MB1003</b>
230 Vac	3/4	1		DIN plug	IP65	15	8	MS062001	BB052302DIN	BB152305DIN	<b>VQ420MB1011</b>
230 Vac	1	1		PG11	IP54	21,1	11	MS062501	BB052326PG	BB152324PG	<b>VQ425MB1004</b>
230 Vac	1	1		DIN plug	IP65	21,1	11	MS062501	BB052326DIN	BB152324DIN	<b>VQ425MB1012</b>
230 Vac	1.1/2	1		PG11	IP54	46,5	31	MS064001	BB052306PG	BB152342PG	<b>VQ440MB1005</b>
230 Vac	1.1/2	1		DIN plug	IP65	46,5	31	MS064001	BB052306DIN	BB152342DIN	<b>VQ440MB1013</b>
230 Vac	2	1		PG11	IP54	61	40	MS065001	BB052309PG	BB152307PG	<b>VQ450MB1006</b>
230 Vac	2	1		DIN plug	IP65	61	40	MS065001	BB052309DIN	BB152307DIN	<b>VQ450MB1014</b>

## 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 <sup>3</sup> /h	Optional CPI-switch	Spare coil V1	Spare coil V2	Type
230 Vac	3/4	30		PG11	IP54	15	8	MS062001	BB052302PG	–	<b>VQ420MC1002</b>
230 Vac	3/4	30		DIN plug	IP65	15	8	MS062001	BB052302DIN	–	<b>VQ420MC1010</b>
230 Vac	1	30		PG11	IP54	21,1	11	MS062501	BB052326PG	–	<b>VQ425MC1003</b>
230 Vac	1	30		DIN plug	IP65	21,1	11	MS062501	BB052326DIN	–	<b>VQ425MC1011</b>
115 Vac	1	30		PG11	IP54	23,9	11	MS062501	BB051126PG	–	<b>VQ425MC1029</b>
230 Vac	1.1/2	30		PG11	IP54	46,5	31	MS064001	BB052306PG	–	<b>VQ440MC1004</b>
230 Vac	1.1/2	30		DIN plug	IP65	46,5	31	MS064001	BB052306DIN	–	<b>VQ440MC1012</b>
115 Vac	1.1/2	30		DIN plug	IP65	52	31	MS064001	BB051152DIN	–	<b>VQ440MC1029</b>
230 Vac	2	30		PG11	IP54	61	40	MS065001	BB052309PG	–	<b>VQ450MC1005</b>
230 Vac	2	30		DIN plug	IP65	61	40	MS065001	BB052309DIN	–	<b>VQ450MC1013</b>
230 Vac	2	30	Factory mounted 1" by-pass valve	DIN plug	IP65	61	40	MS065001	BB052309DIN	–	<b>VQ450BB1005M</b>