



Type Examination Certificate

No. C5AUK 022629 0041 Rev. 01

Holder of Certificate: **Karl Dungs GmbH & Co. KG**
Karl-Dungs-Platz 1
73660 Urbach
GERMANY

Product: **Fittings (Gas)**
Multifunctional Control
MBE

The Approved Body of TUV SUD BAPT Unlimited confirms according to the Gas Appliances (Enforcement) and Miscellaneous Amendment Regulations, UKSI 2018:389 (as amended by UKSI 2019:696), that in the conformity assessment procedure in accordance with Article 14 the listed product has been assessed in a type examination (module B - production type) and complies with the relevant provisions according to Annex I on appliances burning gaseous fuels. It refers only to the sample submitted for testing and certification and on its technical documentation. See also notes overleaf.

Test report no.: V-M 1673-01/26

Valid until: 2032-04-28

Date, 2026-02-27

(Norbert Hörmann)



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Model(s):

**MBE-050-VV-XX, MBE-2L-VV-XX,
 MBE-050-VR-XX, MBE-2L-VR-XX,
 MBE-065-VV-XX, MBE-2½L-VV-XX,
 MBE-065-VR-XX, MBE-2½L-VR-XX,
 MBE-080-VV-XX, MBE-3L-VV-XX,
 MBE-080-VR-XX, MBE-3L-VR-XX,
 MBE-100-VV-XX, MBE-4L-VV-XX,
 MBE-100-VR-XX, MBE-4L-VR-XX,
 MBE-125-VV-XX, MBE-5L-VV-XX,
 MBE-125-VR-XX, MBE-5L-VR-XX,
 MBE-150-VV-XX, MBE-6L-VV-XX,
 MBE-150-VR-XX, MBE-6L-VR-XX**

Models

nominal size	type designation	functions	nominal voltage
DN 50	MBE-050-VV-XX MBE-2L-VV-XX MBE-050-VR-XX MBE-2L-VR-XX	2 valves 2 valves 2 valves, 1 pressure regulator 2 valves, 1 pressure regulator	AC 100-240 V, 50/60 Hz; or DC 24 V
DN 65	MBE-065-VV-XX MBE-2½L-VV-XX MBE-065-VR-XX MBE-2½L-VR-XX	2 valves 2 valves 2 valves, 1 pressure regulator 2 valves, 1 pressure regulator	AC 100-240 V, 50/60 Hz; or DC 24 V
DN 80	MBE-080-VV-XX MBE-3L-VV-XX MBE-080-VR-XX MBE-3L-VR-XX	2 valves 2 valves 2 valves, 1 pressure regulator 2 valves, 1 pressure regulator	AC 100-240 V, 50/60 Hz; or DC 24 V
DN 100	MBE-100-VV-XX MBE-4L-VV-XX MBE-100-VR-XX MBE-4L-VR-XX	2 valves 2 valves 2 valves, 1 pressure regulator 2 valves, 1 pressure regulator	AC 100-240 V, 50/60 Hz; or DC 24 V
DN 125	MBE-125-VV-XX MBE-5L-VV-XX MBE-125-VR-XX MBE-5L-VR-XX	2 valves 2 valves 2 valves, 1 pressure regulator 2 valves, 1 pressure regulator	AC 100-240 V, 50/60 Hz; or DC 24 V
DN 150	MBE-150-VV-XX MBE-6L-VV-XX MBE-150-VR-XX MBE-6L-VR-XX	2 valves 2 valves 2 valves, 1 pressure regulator 2 valves, 1 pressure regulator	AC 100-240 V, 50/60 Hz; or DC 24 V

Remark 1: The placeholder "XX" in the above designation identifies the type of power supply of the multifunctional control. Either DC voltage (designated VD-...-DC-...) or AC voltage (designated VD-...-AC-...) is possible.

Remark 2: The POC functionality can be combined with any actuator (VD-V and VD-R) and any supply voltage (AC or DC). The corresponding designation of the multifunctional control is MBE-...-...-POC.

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Approved Body according to Regulation (EU) 2016/426 and the Gas Appliances (Enforcement) and Miscellaneous Amendments Regulations 2018 with identification No. 0168.



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Components

valve body	nominal size, connection	max. operating pressure
VB-050 VB-2L	DN 50, threaded flange Rp 1 ½ or Rp 2 DN 50, threaded flange NPT 2	600 mbar / 60 kPa
VB-065 VB-2½L	DN 65, flange DN 65, PN 16 DN 65, flange NPS 2½, class 150	700 mbar / 70 kPa
VB-080 VB-3L	DN 80, flange DN 80, PN 16 DN 80, flange NPS 3, class 150	700 mbar / 70 kPa
VB-100 VB-4L	DN 100, flange DN 100, PN 16 DN 100, flange NPS 4, class 150	700 mbar / 70 kPa
VB-125 VB-5L	DN 125, flange DN 125, PN 16 DN 125, flange NPS 5, class 150	700 mbar / 70 kPa
VB-150 VB-6L	DN 150, flange DN 150, PN 16 DN 150, flange NPS 6, class 150	700 mbar / 70 kPa

actuator		pressure sensor		functions
1	2	1	2	limits of the regulator function
VD-V	VD-V	—	—	2 valves class A —
VD-V	VD-R	—	PS-10/40	2 valves class A, pressure regulator class A, <i>min. inlet pressure 6 mbar / 0,6 kPa, outlet pressure 4 to 100 mbar / 0,4 to 10 kPa, minimum pressure difference 2 mbar / 0,2 kPa</i>
		—	PS-50/200	2 valves class A, pressure regulator class A, <i>min. inlet pressure 22 mbar / 2,2 kPa, outlet pressure 20 to 500 mbar / 2 to 50 kPa, minimum pressure difference 2 mbar / 0,2 kPa</i>
		—	PS-0	2 valves class A, zero pressure regulator, <i>min. inlet pressure 2 mbar / 0,2 kPa, outlet pressure -5 to +5 mbar / -0,5 to +0,5 kPa, minimum pressure difference 2 mbar / 0,2 kPa</i>

Remark: The POC functionality (VD-...-POC) can be combined with any actuator (VD-V and VD-R) and does not have an effect on other operating functions.



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Technical data / range of application

gas family	all gases of 1 st , 2 nd and 3 rd gas family
valve class acc. to DIN EN 161	see models and components
regulator class acc. to DIN EN 88-1	see models and components
group according to DIN EN 13611	2
max. operating pressure	see models and components
range of regulator	see models and components
ambient temperature	-20°C to +60°C
installation position	actuator in vertical to horizontal position
electrical data	AC 100 – 240 V, 50/60 Hz or DC 24 V 16 VA / 8 W IP 55

Further details

The determination of the pressure regulator class was carried out following requirements of DIN EN 88-1:2024 although the maximum operating pressure exceeds the scope of the standard.

Tested according to:

- DIN EN 126:2025**
- DIN EN 161:2025**
- DIN EN 88-1:2024**
- DIN EN 88-3:2025**
- DIN EN 13611:2022**