



Type Examination Certificate

No. C5AUK 022629 0062 Rev. 00

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

Product: **Fittings (Gas)**
Multifunctional controls

MBC-65 / MBC-120

The Approved Body of TUV SUD BABT 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 1717-00/22

Valid until: 2032-08-11

Date, 2022-08-16

(Johannes Steiglechner)



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Model(s):

MBC-65, MBC-65-S00 or -S02,
 MBC-65-S20 or -S22,
 MBC-65-S40 or -S42,
 MBC-65-D, MBC-65-D-S20 or -S22,
 MBC-65-D-S40 or -S42,
 MBC-65-DLE, MBC-65-DLE-S20 or -S22,
 MBC-65-DLE-S40 or -S42,
 MBC-65-ND-S00 or -S02,
 MBC-65-ND-S02 (290326),
 MBC-65-NP-S00 or -S02,
 MBC-65-NDP-S00 or -S02,
 MBC-65-ZRD, MBC-65-N-S00 or -S02,
 MBC 120, MBC 120-S00 or -S02,
 MBC 120-S20 or -S22,
 MBC 120-S40 or -S42,
 MBC 120-D, MBC 120-D-S20 or -S22,
 MBC 120-D-S40 or -S42,
 MBC 120-DLE, MBC 120-DLE-S20 or -S22,
 MBC 120-DLE-S40 or -S42,
 MBC 120-ND-90-S00 or -S02,
 MBC 120-ND-120-S00 or -S02,
 MBC 120-NP-S00 or -S02,
 MBC 120-NDP-S00 or -S02,
 MBC 120-ZRD, MBC 120-WND 90,
 MBC 120-WND 90-S00 or -S02,
 MBC 120-WND 90-S20 or -S22,
 MBC 120-WND 90-S40 or -S42,
 MBC 120-WND 120,
 MBC 120-WND 120-S00 or -S02,
 MBC 120-WND 120-S20 or -S22,
 MBC 120-WND 120-S40 or -S42,
 MBC 120-WND 150,
 MBC 120-WND 150-S00 or -S02,
 MBC 120-WND 150-S20 or -S22,
 MBC 120-WND 150-S40 or -S42,
 MBC-120-N-S00 or -S02



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Models

Series MBC-120:

nominal size	type designation	alternative type designation
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-S00 or -S02	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-S20 or -S22	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-S40 or -S42	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-D	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-D-S20 or -S22	W-MF-057-D-S20 or -S22
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-D-S40 or -S42	W-MF -057-D-S40 or -S42
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-DLE	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-DLE-S20 or -S22	W-MF -057-DLE-S20 or -S22
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-DLE-S40 or -S42	W-MF -057-DLE-S40 or -S42
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-ND-90-S00 or -S02	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-ND-120-S00 or -S02	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-NP-S00 or -S02	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-NDP-S00 or -S02	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-ZRD	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-WND 90	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-WND 90-S00 or -S02	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-WND 90-S20 or -S22	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-WND 90-S40 or -S42	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-WND 120	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-WND 120-S00 or -S02	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-WND 120-S20 or -S22	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-WND 120-S40 or -S42	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-WND 150	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-WND 150-S00 or -S02	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-WND 150-S20 or -S22	
Rp 1/2; Rp 3/4; Rp 1; (DN20)	MBC 120-WND 150-S40 or -S42	
Rp 3/8; Rp 1/2; (DN15)	MBC-120-N-S00 or -S02	



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Series MBC-65:

nominal size	type designation	alternative type designation
Rp 3/8; Rp 1/2; (DN15)	MBC-65	W-MF 55 D01
Rp 3/8; Rp 1/2; (DN15)	MBC-65-S00 or -S02	W-MF 55-S00 or -S02
Rp 3/8; Rp 1/2; (DN15)	MBC-65-S20 or -S22	W-MF 55-S20 or -S22
Rp 3/8; Rp 1/2; (DN15)	MBC-65-S40 or -S42	W-MF 55-S40 or -S42
Rp 3/8; Rp 1/2; (DN15)	MBC-65-D	W-MF 55-D
Rp 3/8; Rp 1/2; (DN15)	MBC-65-D-S20 or -S22	W-MF 55-D-S20 or -S22
Rp 3/8; Rp 1/2; (DN15)	MBC-65-D-S40 or -S42	W-MF 55-D-S40 or -S42
Rp 3/8; Rp 1/2; (DN15)	MBC-65-DLE	W-MF 55-DLE
Rp 3/8; Rp 1/2; (DN15)	MBC-65-DLE-S20 or -S22	W-MF 55-DLE-S20 or -S22
Rp 3/8; Rp 1/2; (DN15)	MBC-65-DLE-S40 or -S42	W-MF 55-DLE-S40 or -S42
Rp 3/8; Rp 1/2; (DN15)	MBC-65-ND-S00 or -S02	W-MF 55-ND-S00 or -S02
Rp 3/8; Rp 1/2; (DN15)	MBC-65-ND-S02 (290326)	
Rp 3/8; Rp 1/2; (DN15)	MBC-65-NP-S00 or -S02	W-MF 55-NP-S00 or -S02
Rp 3/8; Rp 1/2; (DN15)	MBC-65-NDP-S00 or -S02	W-MF 55-NDP-S00 or -S02
Rp 3/8; Rp 1/2; (DN15)	MBC-65-ZRD	W-MF 55-ZRD
Rp 3/8; Rp 1/2; (DN15)	MBC-65-N-S00 or -S02	W-MF 55-N-S00 or -S02

The different functions of the models are defined by the following type code:

- ...-D-... pressure regulator (class C), quick opening, with adjustable main flow restrictor
- ...-DLE-... pressure regulator (class C), slow opening (starting gas flow and opening speed adjustable), with adjustable main flow restrictor
- ...-P-... pilot gas connection
- ...-N-... zero pressure regulator (class A)
- ...-WND-... WhirlWind version with zero pressure regulator (class A)
- ...-ZRD no pressure regulator, 1st valve quick opening, flow adjustable flame, 2nd valve releases the flow of the 2nd stage, main flow adjustable (FLOX®)



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The activation of the valves and the outlet pressure ranges are marked as follows:

S..2:	separate actuated valves
S..0:	valves actuated together
S2..:	outlet pressure range 3 mbar to 15 mbar resp. 0,3 kPa to 1,5 kPa
S4..:	outlet pressure range 4 mbar to 37 mbar resp. 0,4 kPa to 3,7 kPa
S0..:	outlet pressure range 0 ±0,2 mbar / 0 ±0,02 kPa (zero pressure regulator „N“)

Technical data / range of application

gas family	all gases of 1 st , 2 nd and 3 rd gas family
valve class according to DIN EN 161	A
regulator class according to DIN EN 88-1	C (models -, -D, -DLE) A (models -N..., -WND)
group according to DIN EN 13611	2
max. operating pressure	Series MBC-65: 200 mbar / 20 kPa (models -, -D, -DLE, -ZRD) 65 mbar / 6,5 kPa (models -N...) Series MBC-120: 360 mbar / 36 kPa (models -, -D, -DLE) 200 mbar / 20 kPa (models -ZRD) 100 mbar / 10 kPa (models -N..., -WND)
ambient temperature	-15°C to +60°C (gases of 3 rd gas family: 0°C to +60°C)
installation position	actuator in vertical to horizontal position
electrical data	AC 230 V, Ac 110 V, or DC 24 V, IP54

Tested according to: DIN EN 126:2012
DIN EN 161:2013
DIN EN 88-1:2016
DIN EN 13611:2022