ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Type Examination Certificate

No. C5AUK 022629 0063 Rev. 00

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

Product: **Fittings (Gas)**
Pressure sensing devices

LGW ... A...

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.: C-D 1693-00/22

Valid until: 2032-08-11

Date, 2022-08-12

(Johannes Steiglechner)

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

TUV SUD BABT Unlimited,
Octagon House, Concorde Way, Segensworth North, Fareham, Hampshire, PO15 SRL

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Model(s):

**LGW 1,5 A1, LGW 1,5 A1H,
LGW 3 A1, LGW 3 A1H,
LGW 10 A1, LGW 10 A1H,
LGW 50 A1, LGW 50 A1H,
LGW 1,5 A2-7, LGW 3 A2-7,
LGW 6 A2-7, LGW 10 A2-7,
LGW 30 A2-7, LGW 3 A2,
LGW 3 A2, LGW 3 A2P,
LGW 3 A4, LGW 3 A4/2,
LGW 3 A2 SGN, LGW 3 A2 SGV,
LGW 10 A2, LGW 10 A2P,
LGW 10 A4, LGW 10 A4/2,
LGW 10 A2 SGN, LGW 10 A2 SGV,
LGW 10 A4 SGV, LGW 30 A2,
LGW 30 A2P, LGW 50 A2,
LGW 50 A2P, LGW 50 A4,
LGW 50 A4/2, LGW 50 A2 SGN,
LGW 50 A2 SGV, LGW 150 A2,
LGW 150 A2P, LGW 150 A4,
LGW 150 A4/2, LGW 150 A2 SGN,
LGW 150 A2 SGV, LGW 150 A4 SGV**

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Models

models	setting range	max. operating pressure	PSD-S (class S)
LGW 1,5 A1, LGW 1,5 A1H	0,2…1,5 mbar	10 kPa / 100 mbar	no
LGW 3 A1, LGW 3 A1H	0,4…3 mbar	10 kPa / 100 mbar	no
LGW 10 A1, LGW 10 A1H	1…10 mbar	10 kPa / 100 mbar	no
LGW 50 A1, LGW 50 A1H	2,5…50 mbar	10 kPa / 100 mbar	no
LGW 1,5 A2-7	20 - 150 Pa	10 kPa / 100 mbar	no
LGW 3 A2-7	20 - 300 Pa	10 kPa / 100 mbar	no
LGW 6 A2-7	30 - 600 Pa	10 kPa / 100 mbar	no
LGW 10 A2-7	100 - 1000 Pa	10 kPa / 100 mbar	no
LGW 30 A2-7	200 - 3000 Pa	10 kPa / 100 mbar	no
LGW 3 A2	0,2 - 2,8 mbar	50 kPa / 500 mbar	yes
LGW 3 A2, LGW 3 A2P, LGW 3 A4, LGW 3 A4/2	0,4 - 3 mbar	50 kPa / 500 mbar	yes
LGW 3 A2 SGN	0,4 - 3 mbar	50 kPa / 500 mbar	no
LGW 3 A2 SGV	1 - 3 mbar	50 kPa / 500 mbar	no
LGW 10 A2, LGW 10 A2P, LGW 10 A4, LGW 10 A4/2	1 - 10 mbar	50 kPa / 500 mbar	yes
LGW 10 A2 SGN, LGW 10 A2 SGV, LGW 10 A4 SGV	1 - 10 mbar	50 kPa / 500 mbar	no
LGW 30 A2, LGW 30 A2P	2 - 30 mbar	50 kPa / 500 mbar	yes
LGW 50 A2, LGW 50 A2P, LGW 50 A4, LGW 50 A4/2	2,5 - 50 mbar	50 kPa / 500 mbar	yes
LGW 50 A2 SGN, LGW 50 A2 SGV	2,5 - 50 mbar	50 kPa / 500 mbar	no
LGW 150 A2, LGW 150 A2P, LGW 150 A4, LGW 150 A4/2	30 - 150 mbar	50 kPa / 500 mbar	yes
LGW 150 A2 SGN, LGW 150 A2 SGV, LGW 150 A4 SGV	5 - 150 mbar	50 kPa / 500 mbar	no

Technical data / range of application

gas family	all gases of 1st, 2nd and 3rd gas family
class according to DIN EN 1854	see models
medium	fuel gases of 1st, 2nd and 3rd gas family (only overpressure connection of LGW ... A4...), air and combustion exhaust gases
max. operating pressure	see models
ambient temperature	-15°C to +70°C -15°C to 85°C (models LGW ... A1/A1H, LGW ... A2-7) 0°C to +70°C (models LGW ... SGV)
installation position	any, deviation of switching pressure is given in data sheets

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UKAS PRODUCT CERTIFICATION 0172

UK CA

TÜV SÜD BABT

Type Examination Certificate

No. C5AUK 022629 0063 Rev. 00

Electrical data:

rated current	AC eff. 10 A AC eff. 2,5 A (LGW 1,5 A1/A1H)
switching current	AC 250 V, 6 A at cos φ = 1,0 or 3 A at cos φ = 0,6 standard: DC 48 V, 1 A gilded contacts: DC 24 V, 20 mA LGW 1,5 A1/A1H: AC 250 V, 1,5 A at cos φ = 1,0 or 0,8 A at cos φ = 0,6 standard: DC 48 V, 1 A gilded contacts: DC 24 V, 20 mA
degree of protection	LGW ... A1: IP 00, IP 20, IP 42; LGW ... A1H: IP 42; LGW ... A2/A2-7/A2P, LGW ... A4: IP 54, IP 65; LGW ... A4/2, LGW … SGN/SGV: IP 65

Further details:

The models LGW ... A4 SGN and LGW ... A4 SGV are also suitable for particular gases according to the manufacturer's information with max. content of H_2S up to 1,0 Vol.% at the overpressure connection.

Tested according to: **DIN EN 1854:2010**
DIN EN 13611:2022

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