



CERTIFICATE

valid until: 09.08.2032

Type examination (Module B) - production type

Certificate No.: C-IS-TAF-MUC-23-11-2652066-27093328

Name and address of manufacturer: Karl Dungs GmbH & Co. KG
Karl-Dungs-Platz 1
73660 Urbach (GERMANY)

We herewith certify that the production type mentioned below meets the requirements of the Pressure Equipment (Safety) Regulations 2016 as amended.

Certification based on report No.: P-IS-TAF-MUC-C-D 1696-01/23
dated 2023-11-23

Scope of certification:
pressure sensing devices
type GW ... A..., GW ... A...,
NB ... A..., ÜB ... A...
as safety accessory

Manufacturing plant: Karl Dungs GmbH & Co. KG
Karl-Dungs-Platz 1
73660 Urbach (GERMANY)

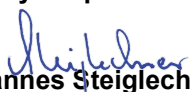
2023-11-24
(Date of issue)

Verification of Certificate by TÜV SÜD App Verify

Approved Body 0168
TUV SUD BABT Unlimited
Octagon House, Concorde Way
Fareham, Hampshire, PO15 5RL
United Kingdom

Document ID: 2652066Y04e32

TUV SUD BABT Unlimited
Approved Body for pressure equipment


Johannes Steiglechner
Name of certifier

IS-AN-PE-Q@tuvsud.com





Details of manufacturer:

Karl Dungs GmbH & Co. KG, Karl-Dungs-Platz 1, 73660 Urbach (GERMANY)



Notes on the certificate

The right to use the symbol depicted in the certificate only applies to the product named in the certificate.

All necessary operating and safety instructions according to Schedule 2, Paragraph 21 and 22. have to be supplied with each product. For transportation purposes, the approved body may allow the holder of the certificate to disassemble the products marked with the symbol in such a way as is usual for product assembly in an installation.

The holder of the certificate is obliged to monitor the fabrication of the products marked with the symbol in order to ensure that production is carried out in accordance with the examination specifications. The holder of the certificate is particularly obliged to carry out monitoring examinations which are laid down in the examination specifications or required by the certification body.

If this certificate expires or is declared invalid it has to be returned to the certification body immediately.

A certificate can be declared invalid or withdrawn by the approved body, if any flaws appear after the examination which were not detectable or not found during the examination, or if the symbol is used for the purpose of misleading or in any other way illicit advertising, or due to facts which were not clearly detectable at the time of certification, further use of the symbol is not justifiable.

The holder of the certificate is obliged to report any damage to or incurred by certified products to the approved body.

The holder of the certificate is only allowed to pass on examination reports and certificates by using the full text and by stating the date of issue. Publication of excerpts or duplication of the documents requires prior consent by the certification body.

With the certificate holder's consent, the certification body reserves the right to publish a list of certified products for the purpose of consumer information.



Page 3 of the certificate C-IS-TAF-MUC-23-11-2652066-27093328

Replaces certificate dated:
C-IS-TAF-MUC-22-08-2652066-12075804 dated 2022-08-10

Basis of examination:
Pressure Equipment Safety Regulations, UKSI 2016:1105 (as amended by UKSI 2019:696)
DIN EN 1854:2010-10,
EN 1854 :2022,
DIN 3398-3:1982-11,
DIN EN 13611:2022-01

Annex 1

for the certificate C-IS-TAF-MUC-23-11-2652066-27093328

The certificate is valid for the following models:

models	setting range	max. operating pressure	PSD-S (class S)
GW 3 A2, GW 3 A4, GW 3 A4/2, GGW 3 A4, GGW 3 A4/2, GGW 3 A4/2 X	0,4...3 mbar	50 kPa / 500 mbar	yes
GGW 3 A4-U, GGW 3 A4-U/2, GGW 3 A4-U/2 X	-0,4...0,3 mbar	50 kPa / 500 mbar	yes
GW 3 A5, GW 3 A5/1, GW 3 A6, GW 3 A6/1	0,7...3 mbar	50 kPa / 500 mbar	yes
GW 3 A5, GW 3 A6	0,9...3 mbar	50 kPa / 500 mbar	yes
GW 10 A2, GW 10 A4, GW 10 A4/2, GGW 10 A4, GGW 10 A4/2, GGW 10 A4/2 X	1...10 mbar	50 kPa / 500 mbar	yes
GW 10 A2 SGV	1...10 mbar	50 kPa / 500 mbar	no
GW 10 A3	1...10 mbar	15 kPa / 150 mbar	no
GGW 10 A4-U, GGW 10 A4-U/2, GGW 10 A4-U/2 X	-1...-10 mbar	50 kPa / 500 mbar	yes
GW 10 A5, GW 10 A5/1, GW 10 A6, GW 10 A6/1	2...10 mbar	50 kPa / 500 mbar	yes
GW 50 A2, GW 50 A4, GW 50 A4/2, GGW 50 A4, GGW 50 A4/2, GGW 50 A4/2 X	2,5...50 mbar	50 kPa / 500 mbar	yes
GW 50 A3	2,5...50 mbar	15 kPa / 150 mbar	no
NB 50 A2, NB 50 A4, ÜB 50 A2, ÜB 50 A4	2,5...50 mbar	50 kPa / 500 mbar	no
GGW 50 A4-U, GGW 50 A4-U/2, GGW 50 A4-U/2 X	-2,5...-50 mbar	50 kPa / 500 mbar	yes
GW 50 A2, GW 50 A4, GW 50 A5, GW 50 A5/1, GW 50 A6, GW 50 A6/1	5...50 mbar	50 kPa / 500 mbar	yes
GW 100 A3	20...100 mbar	15 kPa / 150 mbar	no
GW 150 A2, GW 150 A4, GW 150 A4/2, GGW 150 A4, GGW 150 A4/2, GGW 150 A4/2 X	30...150 mbar	50 kPa / 500 mbar	yes
NB 150 A2, NB 150 A4, ÜB 150 A2, ÜB 150 A4	30...150 mbar	50 kPa / 500 mbar	no
GGW 150 A4-U, GGW 150 A4-U/2, GGW 150 A4-U/2 X	-30...-150 mbar	50 kPa / 500 mbar	yes
GW 150 A2, GW 150 A4, GW 150 A5, GW 150 A5/1, GW 150 A6, GW 150 A6/1	5...150 mbar	50 kPa / 500 mbar	yes
GW 150 A2 SGV	5...150 mbar	50 kPa / 500 mbar	no
GW 500 A2, GW 500 A4, GW 500 A4/2	100...500 mbar	60 kPa / 600 mbar	yes
GW 500 A5, GW 500 A5/1, GW 500 A6, GW 500 A6/1	100...500 mbar	100 kPa / 1000 mbar	yes
NB 500 A2, NB 500 A4, ÜB 500 A2, ÜB 500 A4	50...500 mbar	60 kPa / 600 mbar	no
GW 500 A4 HP, GW 500 A4/2 HP, GW 500 A4/2 HP SGS, GW 500 A4/2 HP X	0,1...0,5 bar	200 kPa / 2 bar	no
GW 500 A4 HP, GW 500 A4/2 HP, GW 500 A4/2 HP SGS, GW 500 A4/2 HP X	0,15...0,5 bar	500 kPa / 5 bar	no
GW 2000 A4 HP, GW 2000 A4/2 HP, GW 2000 A4/2 HP SGS, GW 2000 A4/2 HP X	0,4...2 bar	500 kPa / 5 bar	no
GW 6000 A4 HP, GW 6000 A4/2 HP, GW 6000 A4/2 HP SGS, GW 6000 A4/2 HP X	1...6 bar	800 kPa / 8 bar	no

Annex 2

for the certificate C-IS-TAF-MUC-23-11-2652066-27093328

Further technical data:

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

Electrical data:

rated current	AC eff. 10 A AC eff. 6 A (GW 3 A5/A6)
switching current	AC 250 V, 6 A at $\cos \varphi = 1,0$ or 3 A at $\cos \varphi = 0,6$ standard: DC 48 V, 1 A gilded contacts: DC 24 V, 20 mA GW 3 A5/A6: AC 250 V, 4 A at $\cos \varphi = 1,0$ or 2 A at $\cos \varphi = 0,6$ standard: DC 48 V, 1 A gilded contacts: DC 24 V, 20 mA
degree of protection	GW ... A3: IP 00, IP 20, IP 42; GW ... A2/A5/A6, NB/ÜB ... A...: IP 42; GW ... A4, GGW ... A4: IP 54, IP 65; GW ... SGS, GW ... SGV: IP 65

If necessary, possible hazards resulting from external fire or from traffic, wind and earthquake loading shall be examined separately depending on the installation situation of the pressure equipment.