



**Gas welding equipment**  
**Certificate N°: BAM/ZBA/002/08**

Bundesanstalt für  
 Materialforschung  
 und -prüfung

**5<sup>th</sup> Revised Version**

Hereby it is confirmed by the BAM Certification Body that the

**Safety devices and quick-action couplings**

12200 Berlin, Germany  
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**with the designations and terms of application listed in the annex to this certificate**

of the certificate holder

**Messer Cutting Systems GmbH**  
**Otto-Hahn-Straße 2-4**  
**64823 Groß-Umstadt**  
**Germany**

meet the requirements of those paragraphs named in the annex to this certificate of the standards

**ISO 5175-1:2017**      **"Gas welding equipment - Safety devices - Part 1: Devices incorporating a flame (flashback) arrestor"**

**DIN EN 561:2002**      **"Gas welding equipment - Quick-action couplings with shut-off valves for welding, cutting and allied processes"**

**additionally in compliance with the requirements of the standard operating procedure**

**BAM-StAA-SE-016**      **BAM-Standardarbeitsanweisung "Prüfung der Beständigkeit von nichtmetallischen Materialien" vom 14.11.2017**

The contract No. **BAM-ZBA-0018-2007-Messer CGW** forms the basis for this certification. The terms and conditions for monitoring of the products are also stipulated in this contract.

The products certified by BAM may be labelled with the BAM certification mark „BAM Geprüft und überwacht“and/or “BAM Certified and under surveillance“ together with the certificate number.

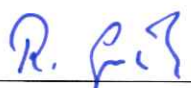
**The certificate is valid until 31<sup>st</sup> August, 2028.**

for Bundesanstalt für Materialforschung und -prüfung (BAM)  
 Unter den Eichen 87,12205 Berlin, **2018-09-01**

  
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Dr. R. Schmidt  
 BAM Certification Body



  
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Dr. R. Grätz  
 Assessor

Distribution list:    1<sup>st</sup> Certificate holder                          2<sup>nd</sup> BAM Certification Body

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**Annex: Products of Company Messer Cutting Systems GmbH within the scope of Certificate N° BAM/ZBA/002/08, 5<sup>th</sup> Revised Version**

**1 Safety devices according to ISO 5175-1:2017, paragraphs 5 to 9**

The safety devices listed below comply with the requirements of ISO 5175-1:2017, paragraphs 5 to 9 for the respective gases and maximum working overpressures.

Furthermore the safety devices listed below comply with the requirements of the BAM Standard Operating Procedure BAM-StAA-SE-016 "Prüfung der Beständigkeit von nichtmetallischen Materialien" of 14.11.2017

**Construction series "100"**

Type	Ident.- N°	max. connectable inner tube/hose diameter in mm	flammable gases				hydrogen	compressed air	oxygen	
			acetylene	propane	methane	0.35			with stainless steel filter	without filter
DGN	02	10	0.15	0.50	0.50	0.35	2.50	2.50	2.50	
DCNDK	04	10	0.15	0.50	0.50	0.35	-	2.00	2.00	
DEMAX 5N	45	25	0.15	0.50	0.50	0.30	2.50	2.50	2.50	
DS 1000	67	10	0.15	0.50	0.50	0.35	1.50	1.50	1.50	



Construction series "200"

Type	Ident.- N°	max. connectable inner tube/hose diameter in mm	max. operating overpressure ( MPa )					oxygen		
			flammable gases					compressed air	with stainless steel filter	without filter
			acetylene	propane	methane	hydrogen				
GT	113	10	0.15	0.40	0.40	0.40	2.00	2.00	2.00	
GG	114	10	0.15	0.40	0.40	0.40	2.50	2.50	2.50	
TT	115	10	0.15	0.40	0.40	0.40	2.00	2.00	2.00	
DKST	118	10	0.15	0.40	0.40	0.40	-	2.00	2.00	
DKSC	119	10	0.15	0.40	0.40	0.40	-	2.00	2.00	
GG-A	120	10	0.15	0.40	0.40	0.40	2.00	-	2.00	
IGG	121	10	0.15	0.40	0.40	0.40	2.00	2.00	2.00	





Construction series "300"

Type	Ident.- N°	max. connectable inner tube/hose diameter in mm	max. operating overpressure ( MPa )						
			flammable gases			hydrogen	compressed air	oxygen	
			acetylene	propane	methane			with stainless steel filter	without filter
DC91UA	07	10	0.15	0.50	0.50	0.40	2.50	2.50	2.50
DC91N	06	10	0.15	0.50	0.50	0.40	2.50	2.50	2.50
DS2000	49	10	0.15	0.50	0.50	0.40	1.50	1.50	1.50
SIMAX 3N	98	25	-	0.50	0.50	-	2.50	2.50	-
SIMAX 5N	98	25	-	0.50	0.50	-	2.50	2.50	-
SIMAX 8N	98	25	-	0.50	0.50	-	2.50	2.50	-



**2. Construction series "400" Quick-action couplings according to DIN EN 561:2002, paragraphs 6 to 10, except paragraphs 6.4 and 6.5**

The quick-action couplings with shut-off valves listed in the following meet the requirements of DIN EN 561:2002, paragraphs 6 to 10, except paragraphs 6.4 and 6.5 (not tested) for the respective gases and maximum operating overpressures.

Type	Ident.-N°	max. connectable inner tube/hose diameter in mm	max. operating overpressure ( MPa )		
			flammable gases	acetylene	oxygen
DKT-F	122	10	2.0	0.15	
DKT-O	123	10			2.0
DKG-F	125	10	2.0	0.15	
DKG-O	126	10			2.0
DKD-F	127	10	2.0	0.15	
DKD-O	128	10			2.0



2018-09-01

Date

*R. N. G.*

Signature (BAM Certification Body)