

# DECLARATION OF PERFORMANCE



according to Annex III of the regulation (EU) Nr. 305/2011

Reference number: H114

1. Product-types and catalogue numbers allowing the identification of the construction products:

Product-types	Catalogue numbers	Certificate from the notified body
H4 cast iron hydrant, break-away type	5095H4 and 5096H4	1085-CPD-0022
H4 stainless steel hydrant, rigid type	5140H4, 5140H4B, 5151H4 and 5151H4B	1085-CPD-0023
H4 cast iron hydrant, rigid type	5051H4 and 5053H4	1085-CPD-0023
H4 stainless steel hydrant, break-away type	5195H4, 5195H4B, 5196H4 and 5196H4B	1085-CPD-0023
H4 stainless steel hydrant, break-away type, with drop jacket	5185 and 5186	1085-CPD-0024

2. Intended uses of the construction products:

Fire fighting and water abstraction for the supply of water

3. Manufacturer: E. Hawle Armaturenwerke GmbH  
Wagrainer Straße 13, 4840 Vöcklabruck, Austria

4. System of assessment and verification of constancy of performance: System 1

5. ofi Technologie & Innovation GmbH, Nr. 1085, has performed the initial type-testing for the relevant characteristics of the products, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control under system 1 and it issued:

Certificate of Factory Production Control 1085-CPD-0022

Certificate of Factory Production Control 1085-CPD-0023

Certificate of Factory Production Control 1085-CPD-0024

6. Declared performance:

Essential characteristics	Performance	Harmonised technical specification
permissible operating pressure (PFA)	max. 16 bar (MPa 1,6)	EN 14384
highest allowed operating pressure (PMA)	max. 20 bar (MPa 2,0)	EN 14384
permissible test pressure (PEA)	max. 25 bar (MPa 2,5)	EN 14384
highest torque for closing of the hydrant (MOT)	max. 100 Nm	EN 14384
minimum mechanical strength against breakage during actuating (mST)	min. 300 Nm	EN 14384
flow coefficient for the different connection types (Kv-value)	1C (1x50 mm): 90 m <sup>3</sup> /h 2C (2x50 mm): 150 m <sup>3</sup> /h 1B (1x65 mm): 120 m <sup>3</sup> /h 2B (2x65 mm): 200 m <sup>3</sup> /h 1A (1x100 mm): 220 m <sup>3</sup> /h	EN 14384

The performance of the products identified in point 1 are in conformity with the declared performance in point 6. This declaration of performance is issued under the sole responsibility of the manufacturer.

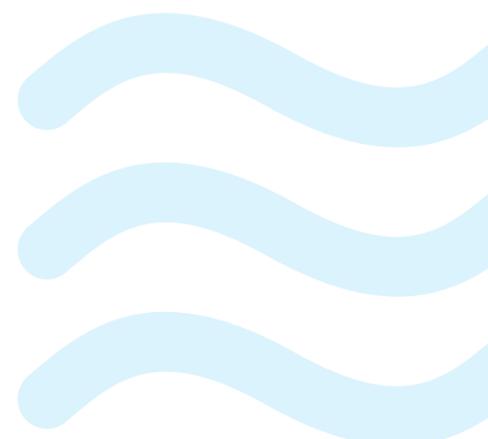
Signed for and on behalf of the manufacturer by:

Michael Bassani, Managing Director

Signature



Vöcklabruck, on 28.07.2014



# DECLARATION OF PERFORMANCE



according to Annex III of the regulation (EU) Nr. 305/2011

Reference number: K114

1. Product-types and catalogue numbers allowing the identification of the construction products:

Product-types	Catalogue numbers	Certificate from the notified body
Aboveground hydrant EURO 2000 RW0 rigid type and break-away type "KRAMMER" branded	KR250, KR260, KR265, KR266, KR270, KR275, KR276, KR277 and KR278	1085-CPD-0019
Aboveground hydrant DUO rigid type and break-away type "KRAMMER" branded	KR220 and KR230	

2. Intended uses of the construction products:

Fire fighting and water abstraction for the supply of water

3. Manufacturer: E. Hawle Armaturenwerke GmbH  
Wagrainer Straße 13, 4840 Vöcklabruck, Austria

4. System of assessment and verification of constancy of performance: System 1

5. ofi Technologie & Innovation GmbH, Nr. 1085, has performed the initial type-testing for the relevant characteristics of the products, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control under system 1 and it issued:

Certificate of Factory Production Control 1085-CPD-0019

6. Declared performance:

Essential characteristics	Performance	Harmonised technical specification
permissible operating pressure (PFA)	max. 16 bar (MPa 1,6)	EN 14384
highest allowed operating pressure (PMA)	max. 20 bar (MPa 2,0)	
permissible test pressure (PEA)	max. 25 bar (MPa 2,5)	
highest torque for closing of the hydrant	max. 125 Nm	
minimum mechanical strength against breakage during actuating (mST)	min. 250 Nm	
minimum flow coefficient for the different connection types ( $K_v$ -value)	1C (1x50 mm): 40 m <sup>3</sup> /h 2C (2x50 mm): 60 m <sup>3</sup> /h 1B (1x65 mm): 80 m <sup>3</sup> /h 2B (2x65 mm): 140 m <sup>3</sup> /h 1A (1x100 mm): 160 m <sup>3</sup> /h	

The performance of the products identified in point 1 are in conformity with the declared performance in point 6. This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Michael Bassani, Managing Director

Signature



Vöcklabruck, on 06.10.2015



# DECLARATION OF PERFORMANCE



according to Annex III of the regulation (EU) Nr. 305/2011

Reference number: K215

1. Product-types and catalogue numbers allowing the identification of the construction products:

Product-types	Catalogue numbers	Certificate from the notified body
Underground hydrant EURO 2000 RW0 type "KRAMMER" branded	KR269	1085-CPR-0020
Underground hydrant DUO type "KRAMMER" branded	KR240	
Underground hydrant Ttpe Monoblock MB1 "KRAMMER" branded	KR244	
Underground hydrant type BS 750 "KRAMMER" branded	5031	
Underground hydrant type DUO GOST "KRAMMER" branded	5035	

2. Intended uses of the construction products:

Fire fighting and water abstraction for the supply of water

3. Manufacturer: E. Hawle Armaturenwerke GmbH  
Wagrainer Straße 13, 4840 Vöcklabruck, Austria

4. System of assessment and verification of constancy of performance: System 1

5. ofi Technologie & Innovation GmbH, Nr. 1085, has performed the initial type-testing for the relevant characteristics of the products, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control under system 1 and it issued:

Certificate of Factory Production Control 1085-CPR-0020

6. Declared performance:

The performance of the products identified in point 1 are in conformity with the declared performance in point 6. This declaration of performance is issued under the sole responsibility of the manufacturer.

Essential characteristics	Performance	Harmonised technical specification
permissible operating pressure (PFA)	max. 16 bar (MPa 1,6)	EN 14339
highest allowed operating pressure (PMA)	max. 20 bar (MPa 2,0)	
permissible test pressure (PEA)	max. 25 bar (MPa 2,5)	
highest torque for closing of the hydrant (MOT)	DN 80: max. 105 Nm DN 100: max. 130 Nm	
minimum mechanical strength against breakage during actuating (mST)	DN 80: min. 210 Nm DN 100: min. 260 Nm	
minimum flow coefficient for the different connection types (K <sub>v</sub> -value)	DN 80: 60 m <sup>3</sup> /h DN 100: 75 m <sup>3</sup> /h	

Signed for and on behalf of the manufacturer by:

Michael Bassani, Managing Director

Signature

Vöcklabruck, on 06.10.2015

