mini CORI-FLOW™ MI-series MKII

Industrial Coriolis Mass Flow
Meters/Controllers for Liquids and Gases

Manual accessories

English

Bronkhorst®

Table of Contents

Document validity

This document contains original third-party information on components used with the mini CORI-FLOW MI Series MKII. The information is required for the correct use of the described components.

► Prior to work, check whether a new version of the component information is available on the manufacturer's website (» Tab. 1).

Component	Manufacturer	Website
Ventilation plug	Bimed	www.bimedteknik.com
Stopping plug M12	HUMMEL AG	www.hummel.com
Stopping plug M20	HUMMEL AG	www.hummel.com
Cable gland	HUMMEL AG	www.hummel.com
Sight glass	Otto Ganter GmbH & Co. KG	www.ganternorm.com

Tab. 1. Manufacturer's website

1 Ventilation/Breather plugs

Hazardous Applications

Ventilation plugs for Ex e applications

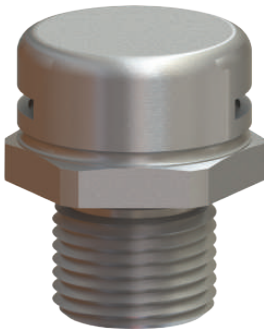
Ventilation Plugs

- Balances pressure differences between inside and outside of enclosure.
- Prevents damages, such as condensation due to pressure differences.
- Membrane properties: hydrophobic, oleophobic.

Technical Details				
Material	Body ,Cap	Stainless Steel 316L		
	Vent. Membrane	Acrylic copolymer on nylon-support		
	O-ring	NBR		
Ingress Protection Rating		IP 68* IP 66*		
Operating Temperature		Seal Material *NBR*		
Ex e/tb		-40°C to +100°C		
Equipment For		• Gas & Dust potentially explosive atmospheres.		
Suitable for use in		Group II Group III	Gas Group IIC Dust Group IIIC	ZONE1/ZONE2 ZONE21/ZONE 22
Equipment Marking		Ex II 2GD Ex eb IIC Ex tb IIIC Db		
Marking Example		BMD *BBVP… 0722 II 2GD Ex eb IIC GbEx tb IIIC Db IP 68 Ta-40°C to +100°C IMQ 13 ATEX 030X IECEx IMQ 14.0003X		
Type Protection		Ex eb ; Ex tb		
Thread Type		• Metric (M) ISO Pitch 1,5		
Remarks		• O-ring available in Metric outer threads. • * All Hydra plugs except UHBBVP-X01... have rating of IP66/IP68.		

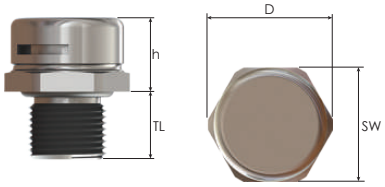
Approvals	Certificate Number	Standards
Ex	IMQ 13 ATEX 030X	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-31:2014
IECEx	IECEx IMQ 14.0003X	IEC 60079-0:2011 IEC 60079-7:2015 IEC 60079-31:2013
EAC	No TC RU C-TR.AA87.B.00941	ГОСТ 31610.0-2014 ГОСТ IEC 60079-1:2013 ГОСТ IEC 60079-31:2013

-For more information see our webpage.
*** The standard marking consists ATEX & IECEx only. Marking acc. to other standards on request.**

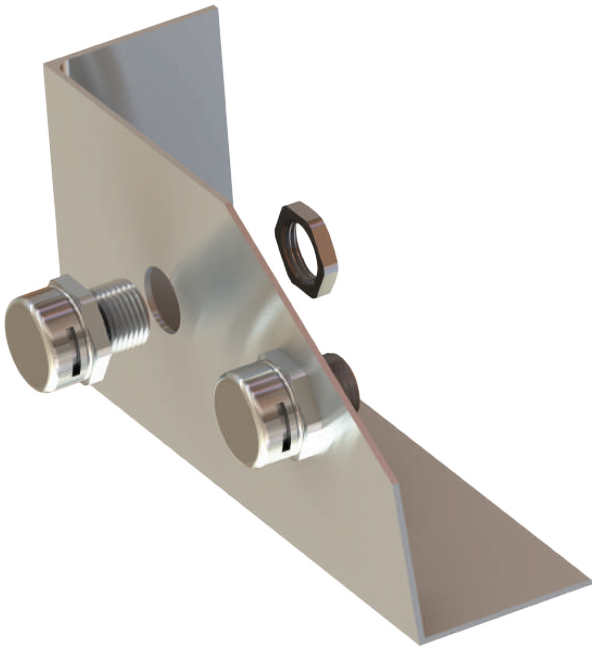


Hazardous Applications

HYDRA
Ventilation Plugs for Ex e applications



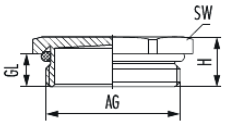
Thread Type **METRIC acc. to ISO 965-3**							
Outer Thread Size (Male)	**Average Air Flow ΔP=70 mBar / 1 psi** l/h	**Water Instrusion Pressure** bar	**Outer Thread Length** TL mm	**Spanner Width** SW mm	**Outer Ø** D mm	**Height** h mm	**Part Number**
M12x1,5	16	0,9	10,0	17	18,8	11,0	**SBBVP-X01L**
	25	0,5	10,0	17	18,8	11,0	**MBBVP-X01L**
	120	0,2	10,0	17	18,8	11,0	**HBBVP-X01L**
	300	0,1	10,0	17	18,8	11,0	**UHBBVP-X01L**



2 Blind/stopping plugs M12

V-Ms-Ex

Item number 1197120050



Technical data

Material	Nickel-plated brass
Material o-ring	NBR
Protection class	IP 68 – 10 bar, IP 69 K
Ex-protection level	II 1D Ex ta IIIC Da, II 2G Ex e IIC Gb
Temperature range	-20°C to +95°C
Tightening torque	4,5 Nm
Variant	Metric
External thread (AG)	M12 x 1,5
Thread length (GL)	6,5 mm
Height (H)	9,5 mm
Wrench size (SW)	14 mm

Dimensions and specifications may be changed without prior notice

www.hummel.com

V-Ms-Ex

Item number 1197120050

Commercial data

Packaging Unit	50
EAN code	4033878408469
Weight	0.00517 kg
ETIM 7	EC000032
eCl@ss 10.1	27-14-44-35
Customs tariff number	74122000

Note:

Dimensions and specifications may be changed without prior notice

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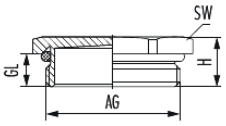
3 Blind/stopping plugs M20

smart & reliable connections

V-Ms-Ex

Item number 1197200050



Technical data

Material	Nickel-plated brass
Material o-ring	NBR
Protection class	IP 68 – 10 bar, IP 69 K
Ex-protection level	II 1D Ex ta IIIC Da, II 2G Ex e IIC Gb
Temperature range	-20°C to +95°C
Tightening torque	8 Nm
Variant	Metric
External thread (AG)	M20 x 1,5
Thread length (GL)	6 mm
Height (H)	9,5 mm
Wrench size (SW)	22 mm

Dimensions and specifications may be changed without prior notice

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V-Ms-Ex

Item number 1197200050

Commercial data

Packaging Unit	50
EAN code	4033878408506
Weight	0.01234 kg
ETIM 7	EC000032
eCl@ss 10.1	27-14-44-35
Customs tariff number	74122000

Note:

Dimensions and specifications may be changed without prior notice

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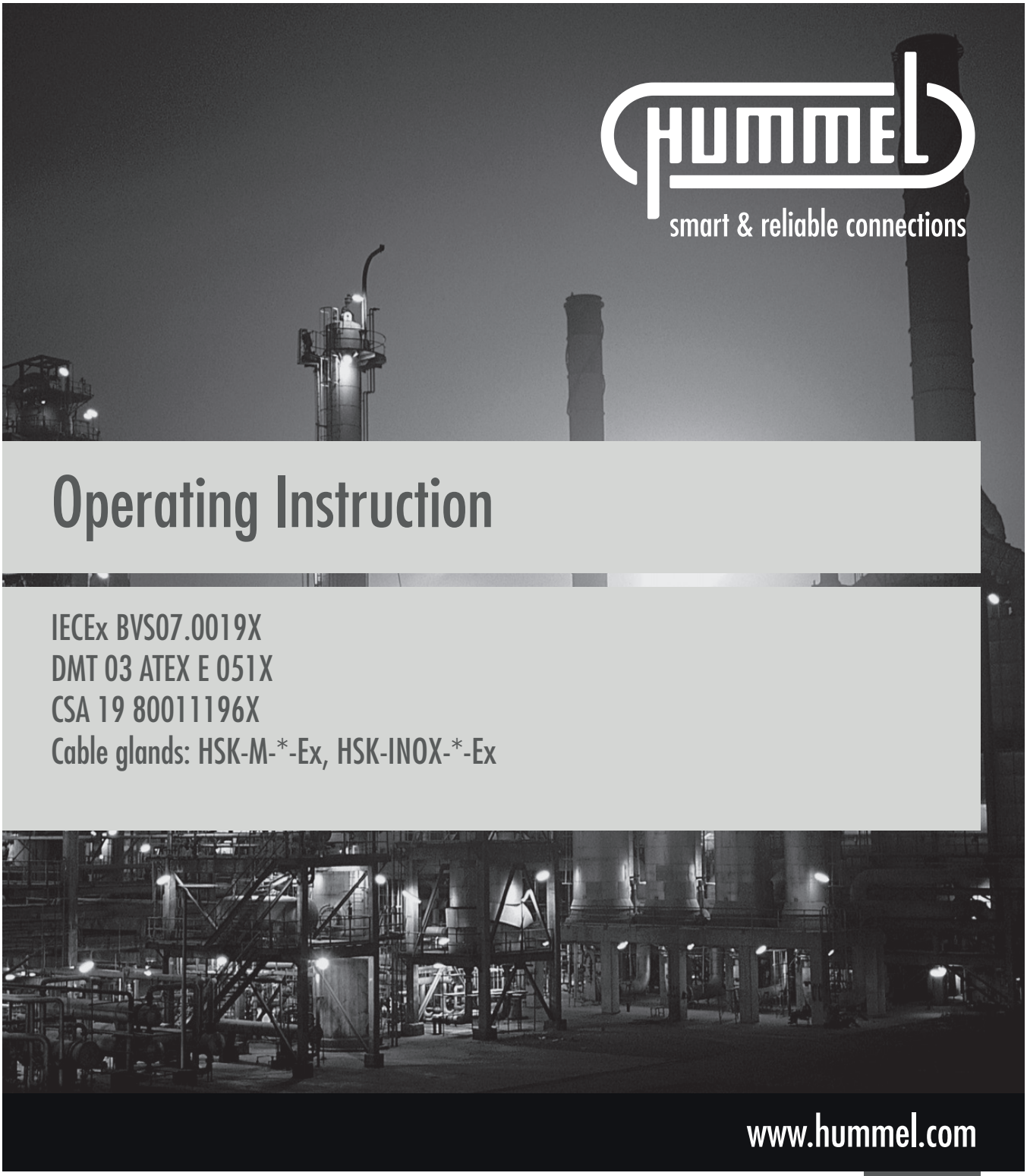

Operating Instruction

IECEx BVS07.0019X
DMT 03 ATEX E 051X
CSA 19 80011196X
Cable glands: HSK-M-*-Ex, HSK-INOX-*-Ex

www.hummel.com

ENGLISH

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79211 Denzlingen / Germany
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info@hummel.com

ATEX-E051X6-0721

ENGLISH

This documentation includes the following documents:
- Current Sales Catalog of HUMMEL AG
- Accident Prevention Regulations and related installation instructions / Electrotechnical Regulations (responsibility lies with installer)

Manufacturer	HUMMEL AG Lise-Meitner-Straße 2 79211 Denzlingen / Germany
Notified body	DEKRA Testing and Certification GmbH Dinnendahlstraße 9 44809 Bochum / Germany
ID number	0158
IECEx CoC	IECEx BVS07.0019X
Type-examination certificate	DMT 03 ATEX E 051X
CSA	CSA 19 80011196X
Scope	Cable glands: HSK-M-*-Ex, HSK-INOX-*-Ex
Reference standards	• DIN EN IEC 60079-0 : 2019 • DIN EN IEC 60079-7 / A1:2018 • DIN EN 60079-31 : 2014 • DIN EN 60529 : 2014
Temperature range	-20 °C – 95 °C (-4 °F – 203 °F)
Type / degree of protection	IP 68, up to 10 bar Type rating 4/4X/6

ENGLISH

Technical Data

Series	Connection Thread Metric	PG	NPT	Clamping Range [mm]	Torque [Nm] Dome Nut / Body / Lock Nut
	M 12 x 1,5	PG 7		2 – 5	4
	M 12 x 1,5	PG 7		3 – 6,5	4
	M 16 x 1,5	PG 9	NPT 3/8"	2 – 6	6
	M 16 x 1,5	PG 9	NPT 3/8"	4 – 8	6
	M 16 x 1,5	PG 11		3 – 7	5
	M 16 x 1,5	PG 11		5 – 10	5
	M 20 x 1,5	PG 13,5	NPT 1/2"	5 – 9	8
	M 20 x 1,5	PG 13,5	NPT 1/2"	6 – 12	8
		PG 13,5	NPT 1/2"	7-12	8
	M 20 x 1,5	PG 16		10 – 14	10
	M 20 x 1,5	PG 16		7 – 12	10
HSK-M-*-Ex, HSK-INOX-*-Ex	M 25 x 1,5	PG 21	NPT 3/4"	10 – 16	12
	M 25 x 1,5	PG 21	NPT 3/4"	13 – 18	12
	M 25 x 1,5	PG 21	NPT 3/4"	14 – 18	12
	M 25 x 1,5	PG 21		9 – 16	12
	M 32 x 1,5	PG 29	NPT 1"	13 – 20	15
	M 32 x 1,5	PG 29	NPT 1"	20 – 25	15
	M 40 x 1,5	PG 36		20 – 26	15
	M 40 x 1,5	PG 36		22 – 32	15
	M 40 x 1,5	PG 36		24 – 32	15
	M 50 x 1,5	PG 42		25 – 31	24
	M 50 x 1,5	PG 42		28 – 31	24
	M 50 x 1,5	PG 42		32 – 38	24
	M 63 x 1,5	PG 48		37 – 44	30
	M 63 x 1,5	PG 48		29 – 35	30
	M 63 x 1,5	PG 48		32 – 35	30
	M 16 x 1,5	PG 11		5 – 10	11
		PG 13,5		7 – 12	12
	M 20 x 1,5	PG 16		10 – 14	13
HSK-M-EMV-D-Ex	M 25 x 1,5	PG 21		13 – 18	15
	M 32 x 1,5	PG 29		18 – 25	17,5
	M 40 x 1,5	PG 36		24 – 32	25

Series	Connection Thread Metric	PG	NPT	Number holes x d / B x H	Torque [Nm] Dome Nut / Body / Lock Nut
	M 16 x 1,5	PG 9	NPT 3/8"		5
		PG 11			6
	M 20 x 1,5	PG 13,5	NPT 1/2"		8
HSK-M-Multi-Ex	M 20 x 1,5/16	PG 16		valide for	10
HSK-M-Flaka-Ex	M 25 x 1,5	PG 21	NPT 3/4"	all drilling	12
	M 32 x 1,5	PG 29	NPT 1"	patterns	15
	M 40 x 1,5	PG 36			15
	M 50 x 1,5	PG 42			24
	M 63 x 1,5	PG 48			30

The tightening torque specified in the table must be applied to the cable gland using a torque wrench.

Subject to dimensional and design modifications

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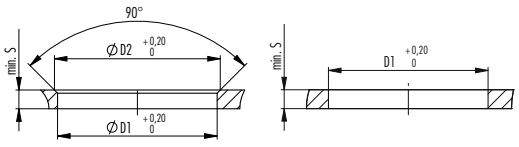
Installation conditions - general

Be sure to check the products for proper working order (integrity) before mounting them. Only qualified personnel (electricians) may carry out installations, using suitable tools. The products must be used as delivered, no modifications permitted. To prevent accidental loosening, use a lock nut or suitable safeguard adhesive. As the tightening torques depend on the cables used, it is the user's responsibility to determine the appropriate torque in each case. Both the gland screw and the cap nut must be properly tightened. Note that undertightening or overtightening the connecting thread or the cap nut may adversely affect the type of protection, the tightness and / or the strain relief.

Surface roughness:	max. Rz 16
Perpendicularity:	The sealing surface of the cable gland must always be mounted at right angle to the housing surface.
Earthtag:	The installation of earthtags is only permitted on the sealing surface between the housing and the cable gland. The user has to ensure the tightness with regard to IP and explosion protection.
Housing material:	If an EMC connection of the device / cable gland is provided, the housing material must consist of conductive material. If this conductive material is coated with a non-conductive material, a special EMC lock nut must be used. There are no further restrictions of the housing material.
Sealing method:	The sealing at the cable is done by the sealing insert. Sealing at the housing is done by an O-ring.

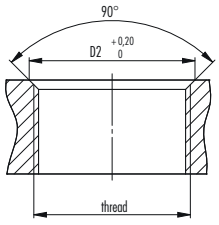
Installation conditions - through hole

The cable gland must be fixed with a lock nut



Installation conditions - thread

For all thread sizes the thread tolerance is 6g



Subject to dimensional and design modifications

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Thread	D1	D2	S
M6x1	6	7,3	2,5
M8x1,25	8	9	2,5
M10x1,5	10	10,4	2,5
M12x1,5	12	13	2,5
M16x1,5	16	17	2,5
M20x1,5	20	21	2,5
M25x1,5	25	26	2,5
M32x1,5	32	33	2,5
M40x1,5	40	41	2,5
M50x1,5	50	51	2,5
M63x1,5	63	64	2,5
M75x1,5	75	76	2,5
M80x2	80	81	4
M90x2	90	91	5
M100x2	100	101,3	5
M110x2	110	111	5

Thread	D1	D2	S
Pg7	12,7	13,2	2,5
Pg9	15,4	15,9	2,5
Pg11	18,8	19,3	2,5
Pg13,5	20,7	21,2	2,5
Pg16	22,8	23,3	2,5
Pg21	28,6	29,1	3
Pg29	37,4	38,4	3
Pg36	47,5	48,5	3
Pg42	54,5	55,5	3
Pg48	59,8	60,8	3

Thread	D1	D2	S
NPT 3/8"	17,3	18	4
NPT 1/2"	21,1	22	5
NPT 3/4"	26,7	27,5	4
NPT 1"	34,3	35	4
NPT 1 1/4"	41,9	42,5	5
NPT 1 1/2"	48,8	49,5	5
NPT 2"	61,1	62,0	5
NPT 2 1/2"	74,0	76,5	6
NPT 3"	89,8	92,5	6

D1: through hole
D2: countersink

If the cable gland is used in a way that deviates from the specified installation conditions, the user must ensure the safety of the system.

Special conditions

Cable glands with cap nut but without a strain-relief device are suitable only for use with permanently installed cables. The installer is responsible for providing appropriate strain relief.

Marking

The products and / or their smallest packaging units are marked as specified below. Products marked otherwise may not be used under this type-examination certificate. Non-compliance shall void the manufacturer's liability.

- Manufacturer's name and address
- DMT 03 ATEX E 051X
- IECEx BVS07.0019X
- Ⓔx II 2G Ex eb IIC Gb / II 1D Ex ta IIIC Da
- Type and connecting thread size
- CE-mark incl. ID number of notified body (only on packaging)
- -20 °C – +95 °C
- Clamping range (only on packaging)
- CSA 19.80011196X (only on packaging)

Safety

The products may only be used within the specified temperature range. The manufacturer shall not be liable for damage caused by use in non-specified fields of application. Only qualified personnel may carry out work in hazardous areas. All relevant regulations must be observed in this case!

Subject to dimensional and design modifications

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Resistance / Endurance

The products consist of:

Body of gland:	nickel-plated brass or stainless steel
Clamping insert:	polyamide or metal-plated polyamide
Gasket and O-ring:	NBR (nitrile-butadiene rubber)
Multiple sealing insert:	TPE (thermoplastic elastomer)
Flat-cable sealing insert:	TPE (thermoplastic elastomer)

The materials used are suitable for „industrial environments“, i.e. exhibit good to very good resistance against mineral oils in the temperature range cited. Applications over and above these must be discussed with the manufacturer.

Maintenance

At the specified maintenance intervals it is recommended to check the compression fittings and tighten as necessary.

Prior to use

Before putting the installation into service, check it for compliance with these installation instructions as well as local and international standards (incl. application-specific ones).

Installation instructions (only for glands with multi-hole inserts)

The cable diameter may be up to 20 % (but no more than 1 mm) smaller than the bore diameter. As a rule, all openings must be closed.

Installation instructions (only for glands with flat-cable inserts)

The clamping range of the cable used may not deviate from the manufacturer-specified minimum values by more than 1 mm in length and 1 mm in width. The geometries of the cable and the insert hole must be compatible (semicircular or straight at the sides). When using flat-cable inserts with unilateral slits, it is permitted to remove the insert from the gland and reinstall it with the cable fitted.

Should you have further questions, please contact the manufacturer.

ENGLISH

EU Declaration of Conformity
issued under the sole responsibility of the manufacturer
Complying the EU Directive 2014/34/EU, Attachment X

Types	Cable glands: HSK-M-*-Ex, HSK-INOX-*-Ex
Certified in Type Examination certificates	DMT 03 ATEX E 051X
Issued by notified body	DEKRA Testing and Certification GmbH Dinnendahlstraße 9 44809 Bochum / Germany
ID number	0158
Following standards are applied	
DIN EN IEC 60079-0 : 2019	Electrical apparatus for potentially explosive atmospheres – General requirements
DIN EN IEC 60079-7 / A1:2018	Electrical apparatus for potentially explosive atmospheres – Increased safety „e“
DIN EN 60079-31 : 2014	Electrical apparatus for use in the presence of combustible dust, Electrical apparatus protected by enclosures – Construction and testing
DIN EN 60529 : 2014	Degrees of protection provided by enclosures (IP-Code)

We declare that the above articles were developed and manufactured in the responsibility of HUMMEL AG.

Michael Nörr
HUMMEL AG / CEO

Denzlingen, July 2021

5 Sight glass

EN Translation of the original operating instruction

About this documentation

This documentation is intended for designers and planners of systems and machines as well as persons entrusted with the installation, commissioning and maintenance of the product.

The sight glass GN 743.6 is referred to below as the “product”.

Your safety

This section describes basic safety requirements and important information about the safe installation of the product.

- ▸ Read the operating instructions and information carefully.
- ▸ Follow the safety instructions and warnings in this document.
- ▸ Only use the product if it is undamaged and in good working order.
- ▸ Keep the documentation nearby at the location of use.
- ▸ Retain the documentation for the entire service life of the product.
- ▸ Also observe the current statutory regulations and other binding rules for accident prevention and environmental protection.

Safety symbols

⚠ DANGER	DANGER indicates dangers that lead directly to **death or severe injuries**.
⚠ WARNING	WARNING indicates dangers that could lead to **death or severe injuries**.
⚠ CAUTION	CAUTION indicates dangers that could lead to **injuries.**
IMPORTANT	IMPORTANT indicates dangers that could lead to **property damage.**

Symbols	Meaning
⚠	Warning about a source of danger
-	Lists
▸	Instruction

Safety and hazard information

⚠ Improper installation, modifications or incorrect operation can cause injuries and property damage.

- Sight glasses of the series GN 743.6 must be protected against sudden stresses, temperature drops and abrupt pressure loads. Observe the declaration of conformity.
- Temperature range, depending on specification, from –20°C to 250°C.
- Make certain that you and others are not within the danger area.
- Carry out a visual inspection before every use.

Proper use

- The product is intended for installation in containers used in machine construction. It allows you to check the oil level of a machine or gearbox or other fluid levels.
- The product may only be operated in accordance with the technical specifications.

Foreseeable misuse

- Any use that deviates from the intended use is considered misuse.
- The product may not come into direct contact with food!
- Solvents and aggressive substances that can be expected to damage glass, aluminum, Viton or stainless steel 1.4310 may not be used.

User qualifications

The product may only be used by authorized and trained persons and in accordance with the corresponding national regulations when used outside of Germany.

Storage

- ▸ Store the product only in the original packaging in a dry and protected environment.

Environmental conditions

The product may not be brought into contact with aggressive chemicals, acids or their vapors. These are potentially harmful to the product and could cause damage.

Product description

Sight glasses GN 743.6 are suitable for use in an environment at risk to explosions. They comply with the European explosion protection directive (ATEX) 2014/34/EU.

The sight glass is available in sizes 11, 14 and 18. The size refers to the visible diameter of the tempered safety glass.

The high-stability, scratch-proof glass pane is sealed with an O-ring on the periphery of the pane. Leak tightness is therefore not affected by axial pressures.
The sealing ring is embedded in a radial groove and cannot drop out, nor can it be pressed out when tightening torque is applied. Sight glasses can also be used in pressurized tanks. Test results are available to verify the pressure resistance.

Marking

This designation can be found on the front side of the sight glass:
CE Otto Ganter J17 GN 743.6-14-G1/2

The markings have been applied radially on the sight glass:
⟨Ex⟩ II 2 G Ex h IIC TX Gb LU 17 ATEX 0168 U
⟨Ex⟩ II 2 D Ex h IIIC X °C Db LU 17 ATEX 0168 U

The sight glass is classified and marked as follows based on the test results:

⟨Ex⟩ II 2 G	Ex h IIC T4 Gb	for -20°C ≤ Ta ≤ + 130°C or
⟨Ex⟩ II 2 G	Ex h IIC T3 Gb	for -20°C ≤ Ta ≤ + 150°C or
⟨Ex⟩ II 2 D	Ex h IIC 125°C Db	for -20°C ≤ Ta ≤ + 120°C or
⟨Ex⟩ II 2 D	Ex h IIC 150°C Db	for -20°C ≤ Ta ≤ + 145°C or

Example - explanation of terms for marking according to the ATEX product directive 2014/34/EU

Front side

CE Otto Ganter J17 GN 743.6-14-G1/2
- CE declaration of conformity
- Otto Ganter → Manufacturer
- J17 → Year of manufacturing 2017
- GN 743.6-14-G1/2 → Article number

Radial 1

⟨Ex⟩ II 2 G Ex h IIC TX Gb LU 17 ATEX 0168 U

2014/34/EU Marking as per directive
- ⟨Ex⟩ → Explosion protection marking
- II → Group II, devices for use in locations with explosive gas atmospheres, except mining sites with a risk of firedamp and/or explosive dust
- 2 → Category (devices for Zone 1 and Zone 2)
- G → Explosive atmosphere due to gases, vapors or smoke

Marking according to the standard EN ISO 80079-36
- Ex h → Marking for non-electrical devices
- IIC → Explosion group (all gases)
- TX → Temperature class
- Gb → Equipment protection level (EPL). Device with “high” protection level for use in explosive zones in which there is no risk of fire in case of predictable errors/ malfunction or normal operation. (Zone 1)
- LU 17 ATEX 0168 U → Certification number (U component)

Radial 2
⟨Ex⟩ II 2 D Ex h IIIC X °C Db LU 17 ATEX 0168 U

2014/34/EU Marking as per directive
- ⟨Ex⟩ → Explosion protection marking
- II → Group II, devices for use in locations with explosive gas atmospheres, except mining sites with a risk of firedamp and/or explosive dust
- 2 → Category (devices for Zone 21 and Zone 22)
- D → Explosive atmosphere due to dust

Marking according to the standard EN ISO 80079-36
- Ex h → Marking for non-electrical devices
- IIIC → Devices of Group III are intended for use in areas in which explosive dust atmospheres might exist, except mining sites with a risk of firedamp
- X °C → Surface temperature
- Db → Equipment protection level (EPL). Device with “high” protection level for use in flammable dust atmospheres in which there is no risk of fire in case of pre-dictable errors/malfunction or normal operation. (Zone 21)
- LU 17 ATEX 0168 U → Certification number (U component)

Specification

Housing	Sight glass
- Aluminum AlMg1SiSn - Surface precision turned	- Tempered safety glass

Seals	Circlip
- FPM elastomer (Viton®)	- Stainless steel, non-rusting, 1.4310

Installation and commissioning

The product may only be used by authorized and trained persons and in accordance with the corresponding national regulations when used outside of Germany.

Before commissioning, always read and observe the safety instructions. Failure to heed these instructions can result in dangers to people or damage to the product.

Operating pressure

⚠ DANGER

Injuries and property damage due to overpressure or underpressure

Failure to observe the operating pressure can lead to personal injuries and property damage!

- ▸ The operating pressure may not exceed the values in the following table!
- ▸ Avoid underpressure.
- ▸ Before commissioning, ensure that the proper use is observed with regard to application conditions (pressure, temperature, liquids and gases, category, temperature class).

The following values apply at standard ambient temperature and pressure (SATP: 25°C and external pressure of 1000 hPa).

Size d_1	11	14	18
Operating pressure pmax [bar]	25	25	18

Check the temperature specifications

Depending on the specification, the sight glass GN 743.6 can be used in a temperature range from -20°C to +250°C.

Installing the sight glass

- Visually inspect the product for damage (flat gasket, glass, housing and position of the circlip)!
- The product may not be brought into contact with aggressive chemicals, acids or their vapors.
- Ensure that the seal is seated on a flat, cleanly machined surface and is perpendicular to the threaded hole!
- Use an appropriate tool (open-end wrench, box-end wrench)!
- Note that the sight glass has right-hand thread.
- Observe the recommended tightening torque!

Size d_1	11	14	18
Recommended tightening torque $M_{rec.}$ [Nm]	25	25	18

Maintenance and cleaning

- Regularly perform the following inspections:
  - Visual inspection for possible damage (flat gasket, glass, housing and position of the circlip)
  - Inspect the sight glass for significant soiling
  - Check the tightening torque
- Do not use aggressive media for cleaning that could damage the sight glass.
- Include a check of proper sealing in the regular inspection of the overall machine/plant. In the event of a leak, the sight glass must be replaced! Observe the instructions in the section "Disassembly".

Disassembly

⚠ DANGER

Injuries and property damage due to overpressure or underpressure

Failure to observe the operating pressure can lead to personal injuries and property damage!

- The operating pressure may not exceed the values in the following table!
- Avoid underpressure.

- Observe the regulations for the overall system!
- The system must be depressurized, and the liquid must be prevented from escaping.
- The sight glass has right-hand thread.
- Use an appropriate tool (open-end wrench, box-end wrench)!

Disposal

- Dispose of the product safely and in an environmentally sound way.
- Observe the national regulations, laws and rules.

EC declaration of conformity

In accordance with Directive 2014/34/EU and the implementing statutory regulations, we declare as manufacturer:

Otto Ganter GmbH & Co.KG
Triberger Str. 3
78120 Furtwangen, Germany

that the explosion-protected product described in the operating instructions:

Sight glass of type series GN 743.6

satisfies the fundamental safety and health requirements according to Annex II of the directive indicated below

Applicable directives:

- 2014/34/EU: 2014-02-26

The following harmonized standards have been applied

- DIN EN ISO 80079-36: 2016-12

Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic method and requirement

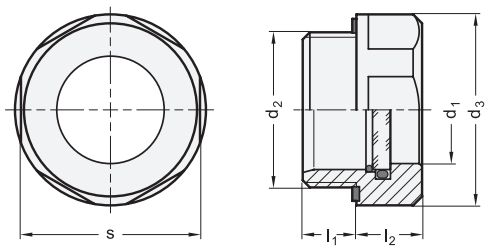
EU declaration of conformity

- LU 17 ATEX 0168 U

Person authorized to compile the conformity documentation:
Otto Ganter GmbH & Co. KG

Furtwangen, 4 May 2021
Stefan Ganter, Managing Director

Technische Daten / Technical data / Caractéristiques techniques



d_1	d_2	d_3	l_1	l_2	s
11	G 3/8	22	8	8	20
11	M 16x1,5	22	8	8	20
14	G 1/2	26	8,5	9	23
14	M 20x1,5	26	8,5	9	23
18	G 3/4	32	9	11	30
18	M 26x1,5	32	9	11	30
18	M 27x1,5	32	9	11	30
18	M 27x2	32	9	11	30

Ganter Norm®

Schauglas GN 743.6
Sight glass GN 743.6
Voyant GN 743.6

(DE) Originalbetriebsanleitung

(EN) Operating instruction

(FR) Traduction du mode d'emploi

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Service

Contact

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