

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cable Gland

with type designation(s)

BM, BI, BM-EN, BS, BSR, BSP, BPF, BPFR, BMSP, BISP, BNSP, BSSP, BSRP, BFSP, BFSR, BMVG, BSVG, BMOS

Issued to

Bimed Teknik Aletler San. Tic. A.S.
ISTANBUL, Turkey

is found to comply with

Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards

Application :

Cable glands & cable gland's accessories for non-hazardous areas. Manufacturer's installation description shall be followed.

This Certificate is valid until **2019-06-30**.

Issued at **Høvik** on **2015-03-10**

DNV GL local station: **Istanbul**

for **DNV GL**

Approval Engineer: **Marta Alonso Pontes**

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Marit Laumann
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Certificate No: **E-14046**
 File No: **828.90**
 Job Id: **262.1-018821-1**

Product description

Classification according to EN 62444

Standard series :

Type designation	BM, BI, BM-EN, BS, BSR, BSP, BPF, BPFR
6.1 Material	Non-metallic (Polyamide)
6.2 Mechanical properties	Non-armoured cable anchorage, type A
6.3 Electrical properties	N/A
6.4 Resistance to external influences:	
6.4.1 IP class	IP68 (5 bar, 30min)/ IP66
6.4.2 Temperature range (if different than -20°C to +65°C)	-20°C to +100°C
6.5 Sealing system	Single- orifice
Seal Material	Chloroprene rubber
Gland sizes	Metric thread size: M12 – M63 (BM, BI) Euro Metric thread size: M12 – M63 (BM-EN) Pg thread size: Pg7 – Pg48 (BS, BSR) NPT thread size: 3/8" – 1" (BSP) G(R) thread size: G1/4" – G1 1/2" (BPF, BPFR)

Cable protection series:

Type designation	BMSP, BISP, BNSP, BSSP, BSRP, BFSP, BFSR
6.1 Material	Non-metallic (Polyamide)
6.2 Mechanical properties	Non-armoured cable anchorage, type A
6.3 Electrical properties	N/A
6.4 Resistance to external influences:	
6.4.1 IP class	IP68 (5 bar, 30min)/ IP66
6.4.2 Temperature range (if different than -20°C to +65°C)	-20°C to +100°C
6.5 Sealing system	Single- orifice
Seal Material	Chloroprene rubber
Gland sizes	Metric thread size: M12 – M25 (BMSP, BISP) Pg thread size: Pg7 – Pg21 (BSSP, BSRP) NPT thread size: 3/8" – 3/4" (BNSP) G(R) thread size: G3/8" – G3/4" (BFSP, BFSR)

Ventilation glands:

Type designation	BMVG, BSVG
6.1 Material	Non-metallic (Polyamide)
6.2 Mechanical properties	Non-armoured cable anchorage, type A
6.3 Electrical properties	N/A
6.4 Resistance to external influences:	
6.4.1 IP class	IP67/IP66
6.4.2 Temperature range (if different than -20°C to +65°C)	-20°C to +100°C
6.5 Sealing system	Single- orifice
Seal Material	Chloroprene rubber
Gland sizes	Metric thread size: M12 – M20 (BMVG) Pg thread size: Pg7 – Pg13,5 (BSVG)

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Push and tighten glands:

Type designation	BMOS
6.1 Material	Non-metallic (Polyamide)
6.2 Mechanical properties	Non-armoured cable anchorage, type A
6.3 Electrical properties	N/A
6.4 Resistance to external influences:	
6.4.1 IP class	IP68 (5 bar,30min)/ IP66
6.4.2 Temperature range (if different than -20°C to +65°C)	-20°C to +100°C
6.5 Sealing system	Single- orifice
Seal Material	Chloroprene rubber
Gland sizes	Metric thread size: M16, M20

Application/Limitation

For use in non-hazardous areas. The manufacturer's installation description to be followed.

Type Approval documentation

[Documentation linked to App. Letter with Ref. MCANO381/PONT/262.1-018821-J-20 dated 09.02.2015](#)

Tests carried out

Type tests in accordance with EN 62444.

Marking of product

BMD – Type designation

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the periodical assessment are:

- Inspection of factory samples, selected at random from the production line (where practicable)
- Results from routine tests (RT) to be checked (if not available tests according to RT to be carried out)
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and type approval certificate

Periodical assessment shall be performed at least every second year.

END OF CERTIFICATE