



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx IMQ 13.0006X Issue No: 1 Certificate history:  
Status: Current Page 1 of 4 Issue No. 1 (2014-09-09)  
Date of Issue: 2014-09-09 Issue No. 0 (2013-11-15)  
Applicant: Bimed Teknik Aletler San ve Tic. A.S.  
S.S Bakır ve Piriç Sanayi Sitesi Leylak Caddesi No:15 Beylikdüzü  
Istanbul  
Turkey  
Electrical Apparatus: Metal cable glands for circular cables series EBU...; EBM.....; EBM...;  
Optional accessory: EBS...; EBL...; EBLQ...; EBLN...; EBMS.....; NBU...  
Type of Protection: Ex d; Ex e; Ex tb  
Marking:  
Ex d IIC Gb  
Ex e IIC Gb  
Ex tb IIIC Db IP66/68

Approved for issue on behalf of the IECEx  
Certification Body:

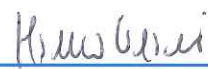
Mr. Mauro CASARI

Position:

IMQ ExCB Manager

Signature:  
(for printed version)

Date:

  
2014/12/06

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2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Istituto Italiano del Marchio di Qualità S.p.A  
Via Quintiliano 43  
20138 Milano,  
Italy





# IECEx Certificate of Conformity

Certificate No: IECEx IMQ 13.0006X

Issue No: 1

Date of Issue: 2014-09-09

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Manufacturer: **Bimed Teknik Aletler San ve Tic. A.S.**  
S.S Bakır ve Pırınç Sanayi Sitesi Leylak Caddesi No:15 Beylikdüzü  
İstanbul  
Turkey

Additional Manufacturing  
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

## STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

|                                           |                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------|
| <b>IEC 60079-0 : 2011</b><br>Edition:6.0  | Explosive atmospheres - Part 0: General requirements                                 |
| <b>IEC 60079-1 : 2007-04</b><br>Edition:6 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"    |
| <b>IEC 60079-31 : 2008</b><br>Edition:1   | Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t" |
| <b>IEC 60079-7 : 2006-07</b><br>Edition:4 | Explosive atmospheres - Part 7: Equipment protection by increased safety "e"         |

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

## TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

IT/IMQ/ExTR13.0006/01

Quality Assessment Report:

IT/CES/QAR12.0003/02

IT/CES/QAR12.0003/00

IT/CES/QAR12.0003/01





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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The cable glands series EBU...; EBM.....; EBMC...; EBS...; EBL...; EBLQ...; EBLN...; EBMS..... are suitable for inserting circular cables into Ex d enclosures having threaded entries and Ex e or Ex tb enclosures having either threaded or plane entries. The cable glands series NBU... are suitable for inserting circular cables into Ex e or Ex tb enclosures having either threaded or plane entries.

Cable glands are suitable for not-armoured cables, and are made of metal body (aluminium; stainless steel; brass). Sealing rings are made of silicon or neoprene (chloroprene) for all types, except for NBU... type in which sealing rings are made of silicone or EPDM rubber.

External o-ring made of: neoprene, silicone or EPDM rubber.

Flat washer made of: neoprene, silicone, EPDM rubber or fiber KLINGERSIL® C-4400 (-50÷130 °C use only).

To guarantee the IP 66/68 degree of protection the cable glands with cylindrical threads have a sealing edge machined for fitting an elastomeric gasket, while for all other threads the IP66/68 degree of protection is achieved with sealant put at least on two complete threads engaged of the threaded coupling.

Cable glands are suitable for electrical equipment either with type of protection Ex e, Ex d or type of protection Ex t (suitability for each models is shown in tables of narrative sections). Cable glands should be also used for intrinsically safe circuits Ex i. These cable glands shall have a light blue painted part.

### CONDITIONS OF CERTIFICATION: YES as shown below:

The cable glands are only suitable for fixed installations. Cables shall be effectively clamped to prevent pulling or twisting

The cable gland EBU 0XSM with the relevant cables shall be used where a protection against risk of mechanical damage is provided.

The coupling of the cable glands to the enclosure and torque values of cap clamping shall be made as indicated by the manufacturer in the documents annexed to this certificate in order to respect the type of protection of the electrical apparatus on which cable glands are mounted.

The cable gland installation shall be done according to safety manufacturer instructions to maintain degree of protection.

The cable gland installation shall be done in such a way that the temperature at the mounting point will remain within the service temperature ranges declared in this Certificate.





# IECEx Certificate of Conformity

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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

### Variation 1:

S standard updating to IEC 60079-0:2011, 6<sup>th</sup> Edition

Adding of mode of protection Ex d for: EBU...; EBM...; EBM...; EBS...; EBL...; EBLQ...; EBLN...

Limitation of temperature range with silicone sealing ring if these cable glands types are in execution Ex d.

Adding new model EBU01S. included as execution Ex d, Ex e and Ex tb.

Adding new type EBMS... derived from already mentioned cable glands types: differences have no effects on protection mode.

Adding new type NBU... in execution Ex e and Ex tb.

Adding KLINGERSIL® C-4400 as material used for additional gasket between cable gland and enclosure.

### Annex:

[IECEx IMQ 13.0006X issue No. 1 Annex.pdf](#)



Annex to: IECEx IMQ 13.0006X issue No. 1  
 Applicant: Bimed Teknik Aletler San ve Tic. A.S.  
 Apparatus: EBU...; EBM.....; EBMC...; EBS...; EBLs...;  
 EBLQ...; EBLN...; EBMS.....; NBU...



## General description

The cable glands series EBU...; EBM.....; EBMC...; EBS...; EBLs...; EBLQ...; EBLN...; EBMS..... are suitable for inserting circular cables into Ex d enclosures having threaded entries and Ex e or Ex tb enclosures having either threaded or plane entries.

The cable glands series NBU... are suitable for inserting circular cables into Ex e or Ex tb enclosures having either threaded or plane entries.

Cable glands are suitable for not-armoured cables, and are made of metal body (aluminium; stainless steel; brass). Sealing rings are made of silicon or neoprene (chloroprene) for all types, except for NBU... type in which sealing rings are made of silicone or EPDM rubber.

To guarantee the IP 66/68 degree of protection the cable glands with cylindrical threads have a sealing edge machined for fitting an elastomeric gasket, while for all other threads the IP66/68 degree of protection is achieved with sealant put at least on two complete threads engaged of the threaded coupling.

Cable glands are suitable for electrical equipment either with type of protection Ex e, Ex d or type of protection Ex t, suitability for each model is shown in following tables. Cable glands should be also used for intrinsically safe circuits Ex i. These cable glands shall have a light blue painted part.

Rated ambient temperature range (°C):

| Serie:    | Ex e – Ex tb execution                                                                                                                                                                                                             | Ex d execution                                                               |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| EBU...    | neoprene sealing ring: -40°C ÷ +80°C<br>silicone sealing ring: -60°C ÷ +100°C<br><br><i>Note: models EBU 01S.. has always temperature range of -40°C ÷ +80°C (neoprene sealing ring) and -60°C ÷ +80°C (silicone sealing ring)</i> | neoprene sealing ring: -40°C ÷ +80°C<br>silicone sealing ring: -60°C ÷ +80°C |
| EBM.....  |                                                                                                                                                                                                                                    |                                                                              |
| EBMC...   |                                                                                                                                                                                                                                    |                                                                              |
| EBS...    |                                                                                                                                                                                                                                    |                                                                              |
| EBLS...   |                                                                                                                                                                                                                                    |                                                                              |
| EBLQ...   |                                                                                                                                                                                                                                    |                                                                              |
| EBLN...   |                                                                                                                                                                                                                                    |                                                                              |
| EBMS..... |                                                                                                                                                                                                                                    |                                                                              |
| NBU...    | EPDM sealing ring: -40°C ÷ +80°C<br>silicone sealing ring: -60°C ÷ +80°C                                                                                                                                                           | Not possible                                                                 |

## Conditions of use

- The cable glands are only suitable for fixed installations. Cables shall be effectively clamped to prevent pulling or twisting
- The cable gland EBU 0XSM with the relevant cables shall be used where a protection against risk of mechanical damage is provided.
- The coupling of the cable glands to the enclosure and torque values of cap clamping shall be made as indicated by the manufacturer in the documents annexed to this certificate in order to respect the type of protection of the electrical apparatus on which cable glands are mounted.

IMQ S.p.A.  
 Via Quintiliano, 43  
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Annex to: IECEx IMQ 13.0006X issue No. 1  
 Applicant: Bimed Teknik Aletler San ve Tic. A.S.  
 Apparatus: EBU...; EBM.....; EBMC...; EBS...; EBLs...;  
 EBLQ...; EBLN...; EBMS.....; NBU...



- The cable gland installation shall be done according to safety manufacturer instructions to maintain degree of protection.
- The cable gland installation shall be done in such a way that the temperature at the mounting point will remain within the service temperature ranges declared in this certificate.

## Design options

Body made of materials: stainless steel or brass or aluminium alloy.

Sealing rings made of: neoprene or silicone for all series, except for NBU... in which sealing rings are made of EPDM rubber or silicone.

External o-ring made of: neoprene, silicone or EPDM rubber.

Flat washer made of: neoprene, silicone, EPDM rubber or fiber KLINGERSIL® C-4400 (-50÷130 °C use only).

### Key code:

|      |     |     |     |                                                      |
|------|-----|-----|-----|------------------------------------------------------|
| EBU  | (1) | (2) | (3) | (1): size, according to related table                |
| EBMC | (1) | (2) | (3) | (2): thread type: "N" – NPT ANSI ASME B1.20.1        |
| EBS  | (1) | (2) | (3) | "M" – Metric ISO pitch 1,5 (ISO 965/1 and ISO 965/3) |
| EBLS | (1) | (2) | (3) | "P" – PG DIN 40430 (Ex e only)                       |
| EBLQ | (1) | (2) | (3) | "C" – GAS UNI ISO 228/1                              |
| EBLN | (1) | (2) | (3) | "S" – N.P.S.M.                                       |
| NBU  | (1) | (2) | (3) | "G" – GAS UNI ISO 7/1                                |
|      |     |     |     | (3): body material: "B" – brass                      |
|      |     |     |     | "X" – stainless steel                                |
|      |     |     |     | "A" – aluminium                                      |

|      |     |     |     |     |     |                                                      |
|------|-----|-----|-----|-----|-----|------------------------------------------------------|
| EBM  | (1) | (2) | (3) | (4) | (5) | (1): male size, according to related table           |
|      |     |     |     |     |     | (2): male thread type: "N" – NPT ANSI ASME B1.20.1   |
|      |     |     |     |     |     | "M" – Metric ISO pitch 1,5 (EN 60423)                |
|      |     |     |     |     |     | (3): female size, according to related table         |
| EBMS | (1) | (2) | (3) | (4) | (5) | (4): female thread type: "N" – NPT ANSI ASME B1.20.1 |
|      |     |     |     |     |     | "M" – Metric ISO pitch 1,5 (EN 60423)                |
|      |     |     |     |     |     | (3): body material: "B" – brass                      |
|      |     |     |     |     |     | "X" – stainless steel                                |
|      |     |     |     |     |     | "A" – aluminium                                      |



Annex to: IECEx IMQ 13.0006X issue No. 1  
Applicant: Bimed Teknik Aletler San ve Tic. A.S.  
Apparatus: EBU...; EBM.....; EBMC...; EBS...; EBLs...;  
EBLQ...; EBLN...; EBMS.....; NBU...



## Cable gland sizes:

| EBU ...   |                       |                                       |                                    |                                 |              |               |
|-----------|-----------------------|---------------------------------------|------------------------------------|---------------------------------|--------------|---------------|
| Model     | Min-max cable<br>Ø mm | Torque value [Nm]                     |                                    |                                 | Suitable for |               |
|           |                       | S1+S2+S3<br>triple<br>sealing<br>ring | S1+S2<br>double<br>sealing<br>ring | S1<br>single<br>sealing<br>ring | Ex d         | Ex e<br>Ex tb |
| EBU 0XS.. | 2-4                   | -                                     | -                                  | 3,5                             | no           | yes           |
| EBU 0S..  | 4-8                   | 20                                    | 18                                 | -                               | no           | yes           |
| EBU01S..  | 3-9                   | -                                     | 25                                 | 18                              | yes          | yes           |
| EBU 01..  | 4-12                  | 20                                    | 18                                 | 15                              | yes          | yes           |
| EBU 1..   | 4-12                  | 20                                    | 18                                 | 15                              | yes          | yes           |
| EBU 12..  | 10-16                 | 24                                    | 22                                 | 18                              | yes          | yes           |
| EBU 2..   | 10-18                 | 25                                    | 22                                 | 18                              | yes          | yes           |
| EBU 23..  | 14-20                 | 26                                    | 22                                 | -                               | yes          | yes           |
| EBU 3..   | 14-24                 | 28                                    | 23                                 | 20                              | yes          | yes           |
| EBU 34..  | 22-28                 | 45                                    | 40                                 | 35                              | yes          | yes           |
| EBU 4..   | 22-32                 | 56                                    | 50                                 | 45                              | yes          | yes           |
| EBU 45..  | 26-34                 | 57                                    | 55                                 | 52                              | yes          | yes           |
| EBU 5..   | 26-35                 | 57                                    | 55                                 | 52                              | yes          | yes           |
| EBU 56..  | 35-44                 | 190                                   | 155                                | 140                             | yes          | yes           |
| EBU 6..   | 35-45                 | 190                                   | 155                                | 140                             | yes          | yes           |
| EBU 67..  | 46-56                 | 160                                   | 145                                | 135                             | yes          | yes           |
| EBU 7..   | 46-62                 | 185                                   | 175                                | 150                             | yes          | yes           |
| EBU 78..  | 60-70                 | 123                                   | 118                                | 107                             | yes          | yes           |
| EBU 8..   | 60-70                 | 123                                   | 118                                | 107                             | yes          | yes           |
| EBU 810.. | 75-85                 | 135                                   | 130                                | 125                             | yes          | yes           |
| EBU 10..  | 75-85                 | 135                                   | 130                                | 125                             | yes          | yes           |
| EBU 11..  | 85-95                 | 180                                   | 175                                | 170                             | yes          | yes           |

| EBM .....; EBMS ..... |              |                       |                                       |                                    |                                 |              |               |
|-----------------------|--------------|-----------------------|---------------------------------------|------------------------------------|---------------------------------|--------------|---------------|
| Model                 |              | Min-max cable<br>Ø mm | Torque value [Nm]                     |                                    |                                 | Suitable for |               |
|                       |              |                       | S1+S2+S3<br>triple<br>sealing<br>ring | S1+S2<br>double<br>sealing<br>ring | S1<br>single<br>sealing<br>ring | Ex d         | Ex e<br>Ex tb |
| EBM 0S.0S..           | -            | 4-8                   | 20                                    | 18                                 | -                               | no           | yes           |
| EBM 0S.01..           | -            | 4-8                   | 20                                    | 18                                 | -                               | no           | yes           |
| EBM 01.0S..           | -            | 4-8                   | 20                                    | 18                                 | -                               | yes          | yes           |
| EBM 01.01..           | EBMS 01.01.. | 4-12                  | 20                                    | 18                                 | 15                              | yes          | yes           |
| EBM 01.12..           | EBMS 01.12.. | 4-12                  | 20                                    | 18                                 | 15                              | yes          | yes           |
| EBM 12.01..           | EBMS 12.01.. | 4-12                  | 24                                    | 22                                 | 18                              | yes          | yes           |
| EBM 1.1..             | EBMS 1.1..   | 4-12                  | 20                                    | 18                                 | 15                              | yes          | yes           |
| EBM 12.12..           | EBMS 12.12.. | 10-16                 | 24                                    | 22                                 | 18                              | yes          | yes           |
| EBM 12.23..           | EBMS 12.23.. | 10-16                 | 24                                    | 22                                 | 18                              | yes          | yes           |
| EBM 23.12..           | EBMS 23.12.. | 10-16                 | 26                                    | 22                                 | 18                              | yes          | yes           |
| EBM 2.2..             | EBMS 2.2..   | 10-18                 | 25                                    | 22                                 | 18                              | yes          | yes           |
| EBM 23.23..           | EBMS 23.23.. | 14-20                 | 26                                    | 22                                 | -                               | yes          | yes           |
| EBM 23.34..           | EBMS 23.34.. | 14-20                 | 26                                    | 22                                 | -                               | yes          | yes           |
| EBM 34.23..           | EBMS 34.23.. | 14-20                 | 45                                    | 40                                 | -                               | yes          | yes           |
| EBM 3.3..             | EBMS 3.3..   | 14-24                 | 28                                    | 23                                 | 20                              | yes          | yes           |
| EBM 34.34..           | EBMS 34.34.. | 22-28                 | 45                                    | 40                                 | 35                              | yes          | yes           |
| EBM 34.45..           | EBMS 34.45.. | 22-28                 | 45                                    | 40                                 | 35                              | yes          | yes           |
| EBM 45.34..           | EBMS 45.34.. | 22-28                 | 57                                    | 55                                 | 52                              | yes          | yes           |
| EBM 4.4..             | EBMS 4.4..   | 22-32                 | 56                                    | 50                                 | 45                              | yes          | yes           |
| EBM 45.45..           | EBMS 45.45.. | 26-34                 | 57                                    | 55                                 | 52                              | yes          | yes           |
| EBM 45.56..           | EBMS 45.56.. | 26-34                 | 57                                    | 55                                 | 52                              | yes          | yes           |
| EBM 56.45..           | EBMS 56.45.. | 26-34                 | 130                                   | 125                                | 120                             | yes          | yes           |



Annex to: IECEx IMQ 13.0006X issue No. 1  
Applicant: Bimed Teknik Aletler San ve Tic. A.S.  
Apparatus: EBU...; EBM.....; EBMC...; EBS...; EBL...;  
EBLQ...; EBLN...; EBMS.....; NBU...



| EBM .....; EBMS ..... |                |                       |                                       |                                    |                                 |              |               |
|-----------------------|----------------|-----------------------|---------------------------------------|------------------------------------|---------------------------------|--------------|---------------|
| Model                 |                | Min-max cable<br>Ø mm | Torque value [Nm]                     |                                    |                                 | Suitable for |               |
|                       |                |                       | S1+S2+S3<br>triple<br>sealing<br>ring | S1+S2<br>double<br>sealing<br>ring | S1<br>single<br>sealing<br>ring | Ex d         | Ex e<br>Ex tb |
| EBM 5.5..             | EBMS 5.5..     | 26-35                 | 57                                    | 55                                 | 52                              | yes          | yes           |
| EBM 5.45..            | EBMS 5.45..    | 26-34                 | 57                                    | 55                                 | 52                              | yes          | yes           |
| EBM 56.56..           | EBMS 56.56..   | 35-44                 | 190                                   | 155                                | 140                             | yes          | yes           |
| EBM 56.67..           | EBMS 56.67..   | 35-44                 | 190                                   | 155                                | 140                             | yes          | yes           |
| EBM 67.56..           | EBMS 67.56..   | 35-44                 | 160                                   | 145                                | 135                             | yes          | yes           |
| EBM 6.6..             | EBMS 6.6..     | 35-45                 | 190                                   | 155                                | 140                             | yes          | yes           |
| EBM 67.67..           | EBMS 67.67..   | 46-56                 | 160                                   | 145                                | 135                             | yes          | yes           |
| EBM 67.78..           | EBMS 67.78..   | 46-56                 | 160                                   | 145                                | 135                             | yes          | yes           |
| EBM 78.67..           | EBMS 78.67..   | 46-56                 | 123                                   | 118                                | 135                             | yes          | yes           |
| EBM 7.7..             | EBMS 7.7..     | 46-62                 | 185                                   | 175                                | 150                             | yes          | yes           |
| EBM 78.78..           | EBMS 78.78..   | 60-70                 | 123                                   | 118                                | -                               | yes          | yes           |
| EBM 78.810..          | EBMS 78.810..  | 60-70                 | 123                                   | 118                                | -                               | yes          | yes           |
| EBM 810.78..          | EBMS 810.78..  | 60-70                 | 135                                   | 130                                | -                               | yes          | yes           |
| EBM 8.8..             | EBMS 8.8..     | 60-75                 | 123                                   | 118                                | 107                             | yes          | yes           |
| EBM 810.810..         | EBMS 810.810.. | 75-82                 | 135                                   | 130                                | 125                             | yes          | yes           |
| EBM 810.10..          | EBMS 810.10..  | 75-82                 | 135                                   | 130                                | 125                             | yes          | yes           |
| EBM 11.810..          | EBMS 11.810..  | 75-82                 | 180                                   | 175                                | 170                             | yes          | yes           |
| EBM 10.10..           | EBMS 10.10..   | 75-85                 | 135                                   | 130                                | 125                             | yes          | yes           |
| EBM 10.810..          | EBMS 10.810..  | 75-82                 | 135                                   | 130                                | 125                             | yes          | yes           |
| EBM 10.11..           | EBMS 10.11..   | 75-85                 | 135                                   | 130                                | 125                             | yes          | yes           |
| EBM 11.10..           | EBMS 11.10..   | 75-85                 | 180                                   | 175                                | 170                             | yes          | yes           |
| EBM 11.11..           | EBMS 11.11..   | 85-95                 | 180                                   | 175                                | 170                             | yes          | yes           |

| EBMC ...  |                       |                                       |                                    |                                 |              |               |
|-----------|-----------------------|---------------------------------------|------------------------------------|---------------------------------|--------------|---------------|
| Model     | Min-max cable<br>Ø mm | Torque value [Nm]                     |                                    |                                 | Suitable for |               |
|           |                       | S1+S2+S3<br>triple<br>sealing<br>ring | S1+S2<br>double<br>sealing<br>ring | S1<br>single<br>sealing<br>ring | Ex d         | Ex e<br>Ex tb |
| EBMC 0S.. | 4-8                   | 20                                    | 18                                 | -                               | no           | yes           |
| EBMC 01.. | 4-12                  | 20                                    | 18                                 | 15                              | yes          | yes           |
| EBMC 1..  | 4-12                  | 20                                    | 18                                 | 15                              | yes          | yes           |
| EBMC 12.. | 10-16                 | 24                                    | 22                                 | 18                              | yes          | yes           |
| EBMC 2..  | 10-18                 | 25                                    | 22                                 | 18                              | yes          | yes           |
| EBMC 23.. | 14-20                 | 26                                    | 22                                 | -                               | yes          | yes           |
| EBMC 3..  | 14-24                 | 28                                    | 23                                 | 20                              | yes          | yes           |
| EBMC 34.. | 22-28                 | 45                                    | 40                                 | 35                              | yes          | yes           |
| EBMC 4..  | 22-32                 | 56                                    | 50                                 | 45                              | yes          | yes           |
| EBMC 45.. | 26-34                 | 57                                    | 55                                 | 52                              | yes          | yes           |
| EBMC 5..  | 26-35                 | 57                                    | 55                                 | 52                              | yes          | yes           |
| EBMC 56.. | 35-44                 | 190                                   | 155                                | 140                             | yes          | yes           |
| EBMC 6..  | 35-45                 | 190                                   | 155                                | 140                             | yes          | yes           |
| EBMC 7..  | 46-59                 | 185                                   | 175                                | 150                             | yes          | yes           |

| EBS ...    |                       |                                       |                                    |                                 |              |               |
|------------|-----------------------|---------------------------------------|------------------------------------|---------------------------------|--------------|---------------|
| Model      | Min-max cable<br>Ø mm | Torque value [Nm]                     |                                    |                                 | Suitable for |               |
|            |                       | S1+S2+S3<br>triple<br>sealing<br>ring | S1+S2<br>double<br>sealing<br>ring | S1<br>single<br>sealing<br>ring | Ex d         | Ex e<br>Ex tb |
| EBS 01.-S. | 4-8                   | -                                     | 25                                 | 18                              | yes          | yes           |
| EBS 01..   | 4-8                   | -                                     | 18                                 | 15                              | yes          | yes           |
| EBS 1..    | 4-12                  | 20                                    | 18                                 | 15                              | yes          | yes           |
| EBS 2..    | 10-18                 | 25                                    | 22                                 | 18                              | yes          | yes           |



Annex to: IECEx IMQ 13.0006X issue No. 1  
 Applicant: Bimed Teknik Aletler San ve Tic. A.S.  
 Apparatus: EBU...; EBM.....; EBMC...; EBS...; EBLs...;  
 EBLQ...; EBLN...; EBMS.....; NBU...



| EBS ... |       |    |    |    |     |     |
|---------|-------|----|----|----|-----|-----|
| EBS 3.. | 14-24 | 25 | 20 | 18 | yes | yes |
| EBS 4.. | 22-32 | 56 | 50 | 45 | yes | yes |
| EBS 5.. | 26-35 | 57 | 55 | 52 | yes | yes |

| EBLN ...; EBLs ...; EBLQ ... |           |           |                       |                                       |                                    |                                 |              |               |
|------------------------------|-----------|-----------|-----------------------|---------------------------------------|------------------------------------|---------------------------------|--------------|---------------|
| Model                        |           |           | Min-max cable<br>Ø mm | Torque value [Nm]                     |                                    |                                 | Suitable for |               |
|                              |           |           |                       | S1+S2+S3<br>triple<br>sealing<br>ring | S1+S2<br>double<br>sealing<br>ring | S1<br>single<br>sealing<br>ring | Ex d         | Ex e<br>Ex tb |
| EBLN 02..                    | EBLS 02.. | EBLQ 02.. | 4-8                   | 20                                    | 18                                 | -                               | no           | yes           |
| EBLN 01..                    | EBLS 01.. | EBLQ 01.. | 4-12                  | 20                                    | 18                                 | 15                              | yes          | yes           |
| EBLN 1..                     | EBLS 1..  | EBLQ 1..  | 4-12                  | 20                                    | 18                                 | 15                              | yes          | yes           |
| EBLN 2..                     | EBLS 2..  | EBLQ 2..  | 10-18                 | 25                                    | 22                                 | 18                              | yes          | yes           |
| EBLN 3..                     | EBLS 3..  | EBLQ 3..  | 14-24                 | 28                                    | 23                                 | 20                              | yes          | yes           |
| EBLN 4..                     | EBLS 4..  | EBLQ 4..  | 22-32                 | 56                                    | 50                                 | 45                              | yes          | yes           |
| EBLN 5..                     | EBLS 5..  | EBLQ 5..  | 26-35                 | 57                                    | 55                                 | 52                              | yes          | yes           |

| NBU ...   |                       |                                    |                                 |              |               |
|-----------|-----------------------|------------------------------------|---------------------------------|--------------|---------------|
| Model     | Min-max cable<br>Ø mm | Torque value [Nm]                  |                                 | Suitable for |               |
|           |                       | S1+S2<br>double<br>sealing<br>ring | S1<br>single<br>sealing<br>ring | Ex d         | Ex e<br>Ex tb |
| NBU 0XS.. | 4-7                   | -                                  | 4                               | no           | yes           |
| NBU 01S.. | 5-8                   | -                                  | 8                               | no           | yes           |
| NBU 1..   | 8-14                  | 10                                 | 10                              | no           | yes           |
| NBU 2..   | 10-16                 | 12                                 | 12                              | no           | yes           |
| NBU 3..   | 16-21                 | 13                                 | 13                              | no           | yes           |
| NBU 4..   | 18-27                 | 25                                 | 25                              | no           | yes           |
| NBU 5..   | 26-35                 | 33                                 | 33                              | no           | yes           |
| NBU 6..   | 32-49                 | 45                                 | 35                              | no           | yes           |

