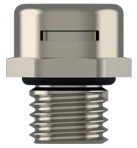
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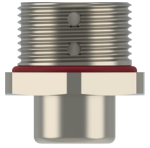
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SAFETY , MAINTENANCE & MOUNTING INSTRUCTIONS

IMQ 13 ATEX 030X
IECEx IMQ 14.0003X



VENTILATION PLUG
TYPE *BBVP



DRAIN PLUG
TYPE BDRVY



DRAIN PLUG
TYPE BMDRP

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1 MARKINGS & APPLICABLE CODES
2 MOUNTING INSTRUCTION for DRAIN PLUG TYPE BDRVY
3 MOUNTING INSTRUCTION for DRAIN PLUG TYPE BMDRP
4 MOUNTING INSTRUCTION for VENT PLUG
5 SAFETY INSTRUCTION
6 DRAIN AND VENTILATION PLUG SIZE TABLE
7 SAFETY INSTRUCTION (IP PROTECTION)
8 EU DECLARATION OF CONFORMITY

1 MARKINGS & APPLICABLE CODES

MARKINGS

BMD BDRV**Y..**	CE 0722 Ex	II2GD Ex eb IIC Gb Ex tb IIIC Db IP66 IMQ 13 ATEX 030X IECEx IMQ 14.0003X
BMD *BBVP..	CE 0722 Ex	II2GD Ex eb IIC Gb Ex tb IIIC Db IP66/68 IMQ 13 ATEX 030X IECEx IMQ 14.0003X
BMD BMDRP..	CE 0722 Ex	II2GD Ex eb IIC Gb Ex tb IIIC Db IP64/66 IMQ 13 ATEX 030X IECEx IMQ 14.0003X

APPLICABLE STANDARDS

EN IEC 60079-0:2018 + A11:2024
IEC 60079-0:2017
EN 60079-7:2015
EN IEC 60079-7:2015 + A1:2018
IEC 60079-7:2017
EN 60079-31:2014
IEC 60079-31:2022
EN IEC 60079-31:2024
EN 60529:1991+ A1:2000+A2:2013
IEC 60529:2013 (Ed. 2.2)
DIRECTIVE 2014/34/EU ATEX

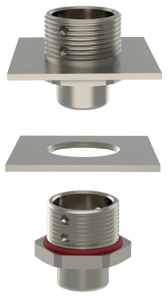
Ventilation Plug:
UL 60079-0 (7th Ed.)
UL 60079-7 (5th Ed.)
UL 60079-31 (2nd Ed.)
CSA C22.2 No.60079-0 (4th Ed.)
CSA C22.2 No.60079-7 (2th Ed.)
CSA C22.2 No.60079-31 (2th Ed.)

Drain Plugs:
UL 508A (3rd Ed.)
UL 50E (TYPE 4X)
CSA C22.2 No.14 (13th Ed.)

OPERATION TEMPERATURES

For Drain Plug: -60°C to +85°C For Vent Plug: -40°C to +100°C

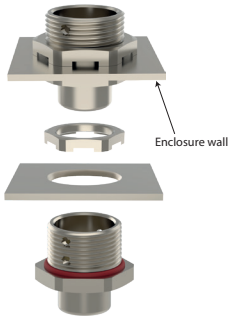
2 MOUNTING INSTRUCTION for DRAIN PLUG TYPE BDRVY



Mount the Drain Plug to the appropriate opening on the enclosure.

Use locknut to tighten if the enclosure is non threaded.

NOTE: Drain plug is a device intended for use to evacuate the water generated because of condensation inside the enclosure. Due to the fact that water is accumulated in bottom part of the enclosure, “drain plug” is assembled in the lowest part of the enclosure. Only downwards installation ensures the IPX6.



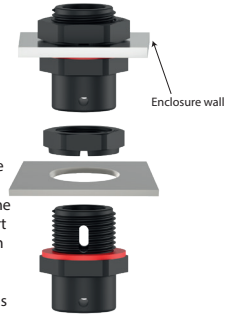
3 MOUNTING INSTRUCTION for DRAIN PLUG TYPE BMDRP



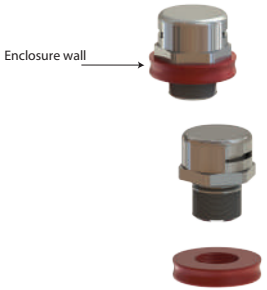
Mount the Drain Plug to the appropriate opening on the enclosure.

Use locknut to tighten if the enclosure is non threaded.

NOTE: Drain plug is a device intended for use to evacuate the water generated because of condensation inside the enclosure. Due to the fact that water is accumulated in bottom part of the enclosure, “drain plug” is assembled in the lowest part of the enclosure. Only downwards installation ensures the IPX6.When installed laterally, they function as breathers only and provide IPX4 protection.



4 MOUNTING INSTRUCTION for VENTILATION PLUG



Mount the Ventilation Plug to the appropriate opening on the enclosure.

Use locknut to tighten if the enclosure is non threaded.



5 SAFETY INSTRUCTION

*Qualified personel in compliance with the national laws shall carry out the maintanence in accordance with EN/IEC 60079-17 and installation in accordance with EN/IEC 60079-14.
*Changes to products are not allowed.
*Only Bimed spare parts must be used.
*Everyday and extraordinary maintenance operations must be carried out only by qualified personel after approval from expert technicians.
*The maintenance operations must be carried out only after the engine has been cut off from mains or from the related electrical appliance.
*The following instructions must be strictly followed in order to get a correct installation.
*The national safety rules and accident prevention regulations, must be strictly respected.

Non Threaded Enclosure Applications

*Recommended hole diameters for non threaded enclosure applications in relation with the used thread types are shown below.

Metric Threads	
Thread	Hole Diameter (min. - max. mm)
M12x1.5	Ø12,0-12,2
M20x1.5	Ø20,0-20,2
M25x1.5	Ø25,0-25,2

6 SIZE TABLE of DRAIN and VENTILATION PLUGS

Drain Plug Type BDRVY

Thread Type M ETRIC acc. to ISO 965-3

Outer Thread Size	Part Number	Body Tightening Torque [Nm]
M20x1.5	BDRVY-1M	2,0
M25x1.5	BDRVY-2M	4,0

Thread Type NPT acc. NPT acc. To ANSI ASME B1.20.1

Outer Thread Size	Part Number	Body Tightening Torque [Nm]
NPT 1/2"	BDRVY-1N	2,0
NPT 3/4"	BDRVY-2N	4,0

Drain Plug Type BMDRP

Thread Type METRIC acc. to ISO 965-3

Outer Thread Size	Part Number	Body Tightening Torque [Nm]
M20x1.5	BMDRP-X2S	2,0
M25x1.5	BMDRP-X3S	2,5

Ventilation Plugs

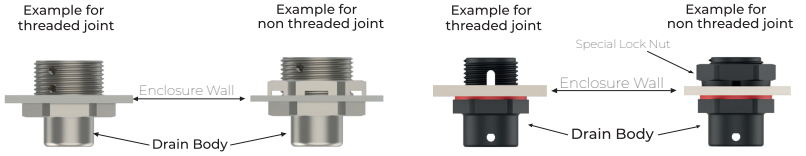
Thread Type M ETRIC acc. to ISO 965-3

Outer Thread Size (Male)	Average Air Flow ΔP=70 mBar / 1 psi l/h	Water Instrusion Pressure bar	Part Number	Body Tightening Torque [Nm]
M12x1,5	16	0,9	SBBVP-X01	0,5
	16	0,9	SBBVP-X01L	
	25	0,5	MBBVP-X01	
	25	0,5	MBBVP-X01L	
	120	0,2	HBBVP-X01	
	120	0,2	HBBVP-X01L	
	300	0,1	UHBBVP-X01	
	300	0,1	UHBBVP-X01L	

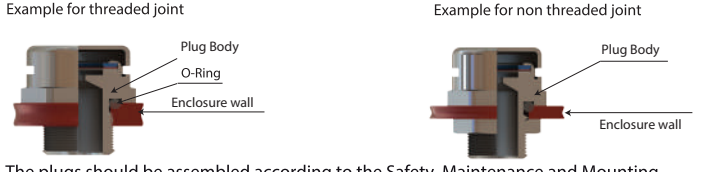
* NPT and PG thread are also available.

7 SAFETY INSTRUCTION (IP PROTECTION)

FOR DRAIN PLUG TYPE BDRVY & BMDRP



FOR VENTILATION PLUGS



- The plugs should be assembled according to the Safety, Maintenance and Mounting Instruction in order to guarantee the specified IP ratings.

*For Ex e applications with threaded enclosures it is recommended to engage 3 full threads, otherwise it is recommended to use locknut.

8 EU DECLARATION OF CONFORMITY

EU DECLARATION OF CONFORMITY

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Bimed Teknik Aletler San. ve Tic. A.Ş.
Özar Sanayi Bölgesi, Deliklikaya Mh. Yüzbaşı Mehmet Hilmi Cd. No.28/1 Arnavutköy – İstanbul-TÜRKİYE Tel. +90 212 8757376 Fax. +90 212 8750823

declares that the products designed to be placed on the market for use in the explosive atmospheres described below are in conformity with the listed EU Directive and harmonized standards.

Drain Plug Type;	BDRVY BMDRP
Ventilation Plug Type:	*BBVP
Certificate Number;	IMQ 13 ATEX 030X
Protection Type ;	II 2 GD; Ex eb IIC Gb ; Ex tb IIIC Db
EU Directive;	DIRECTIVE 2014/34/EU ATEX
The harmonized standards applied;	EN IEC 60079-0:2018 + A11:2024 EN 60079-7:2015 EN IEC 60079-7:2015 + A1:2018 EN 60079-31:2014 EN IEC 60079-31:2024 EN 60529:1991+ A1:2000+A2:2013

Notified body CESI 0722

Istanbul, 17.02.2026

General Manager
Yakup Gülnihal

bimed TEKNİK ALETLER SANAYİ VE TİCARET A.Ş.

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