

# MANUALLY OPEN/CLOSE DEVICE

## VDF Series

Series VDF are draining or breathing devices with manual opening and closing operation. The device allow the fluid passage (draining function) or the air passage (breathing function) from the internal to the external of an explosion proof enclosure.

### Features

**Material used:** stainless steel AISI 316L

**Operating temperature:** -60°C up to 60°C

**NPT thread:** 3/8" or to 1/2"

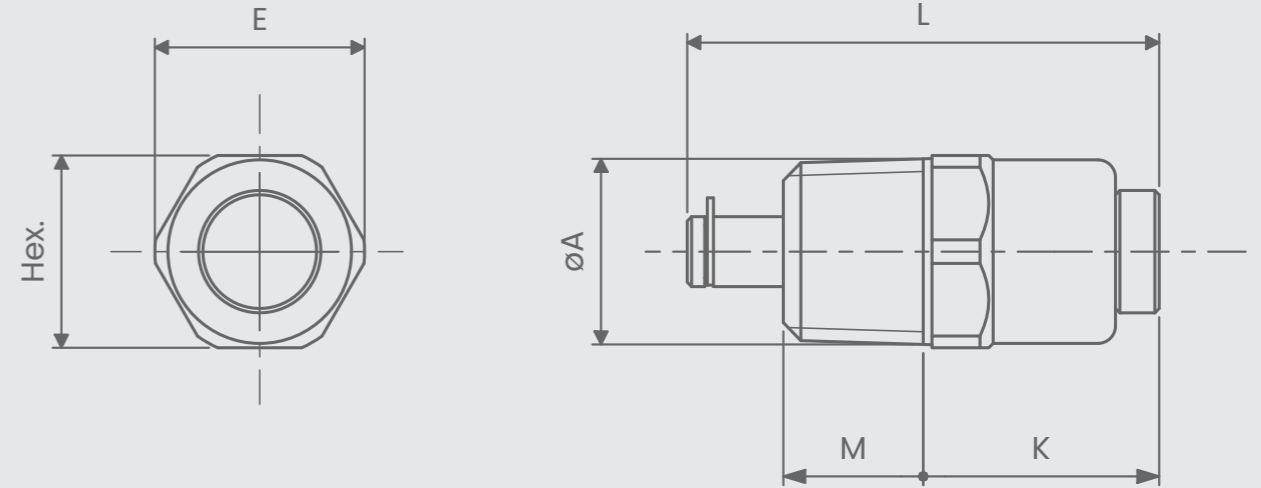
**ISO 262 thread:** M16x1.5 or M20x1.5

**Degree of protection:** IP66



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## VDF Series



### ATEX & IECEx Equipment Data

<b>Gas</b>	Group II Zone 1	Ex d I Mb Ex d II (*) Gb Ex e IIC Gb
<b>Dust</b>	Group II Zone 21	Ex tb IIIC Db IP66

### ATEX Certificate

INERIS 14 ATEX 9014U

### IECEx Certificate

IECEx INE 14.0045U

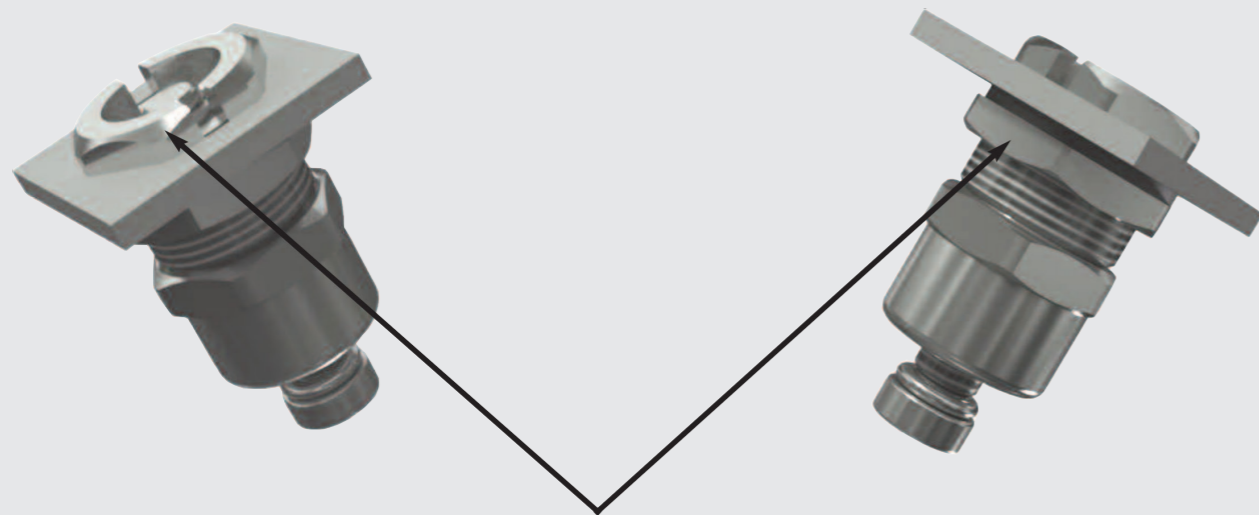
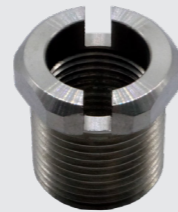
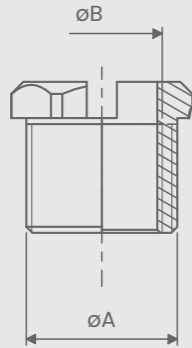
Code	ØA	M	K	Hex.	E	L
<b>VDF38S</b>	3/8" NPT	12	27	17	19	55
<b>VDF1S</b>	1/2" NPT	16	23	22	24	55
<b>VDF16S</b>	M16x1.5	12	27	22	24	55
<b>VDF20S</b>	M20x1.5	16	23	27	30	55

(\*) - **IIB + H2** when installed on Ex d enclosure with maximum intrnal volume of 160,6 dm<sup>3</sup>  
 - **IIC** when installed on enclosure with maximum internal volume of 62.9 dm<sup>3</sup>

**THREADING ADAPTOR SERIES VD04**

Adaptor Male-female required for installation of draining valves on Ex e enclosures with reduced thickness. See figure below.

Dimension $\phi A$ [ISO]	Code	Dimension $\phi B$ [ISO]	Code	Dimension $\phi B$ [NPT]
M20x1.5	<b>VD0416S</b>	M16x1.5	<b>VD0438S</b>	3/8"
M25x1.5	<b>VD0420S</b>	M20x1.5	<b>VD041S</b>	1/2"



**LOCKNUT SERIES DL**

Useful in order to avoid the loosening of bulkheads and for the installation on Ex e enclosures with reduced thickness

Code	ISO Dimensions
<b>DL12S</b>	M12x1.5
<b>DL16S</b>	M16x1.5
<b>DL20S</b>	M20x1.5
<b>DL25S</b>	M25x1.5



**GASKET SERIES SW**

Useful to ensure the IP protection of enclosures on which the bulkheads are installed

Code	ISO Dimensions
<b>SW12T</b>	M12x1.5
<b>SW16T</b>	M16x1.5
<b>SW20T</b>	M20x1.5
<b>SW25T</b>	M25x1.5

