



VDHA

HAZARDOUS AREA CLOGGING INDICATOR



Description

The VDHA is designed to meet the requirements of hazardous areas around the world. This indicator has been approved for use in ATEX, IECEx, CSA, TRCU and UL zones by a notified body.

The VDHA's function is to inform the user when a filter element needs replacing due to the increased differential pressure measured across the filter element. This will trigger a signal and an operator can then make the system safe and change the element.

The VDHA is available in 3 standard pressure ranges, 450, 700 and 1035 Bar. This means that there will always be a suitable indicator available regardless of the pressure of the filter housing.

The indicator has a 316 stainless steel junction box that can be rotated 360 degrees to aid wiring of the unit. With the use of a suitably rated cable gland the indicator has an IP rating of both IP66 and IP67 as well as having a dual temperature rating of T4 & T6.

The VDHA indicators are fully compatible with the Hydac range of filters including both stainless steel and carbon steel filters.

Specifications:

Type of Indication:	Electronic Switch
Permitt. Operating Pressure:	450,700 & 1035 Bar
Permitt. Operating Temperature:	-20 °C +100°C T4
Indication Range:	2 or 5 Bar ▲P
Thread:	G1/2 or M20
Switching Type:	N/C or N/O
Protection Class:	66 & 67
Electrical Connection:	M20 X 1.5 cable gland

Product Certification

Exd

II 2 GD Exd IIC T6 / T4

Exd IIC T6 Gb

Exd IIC T4 Gb

Exd IIC T85°C Db

Exd IIC T135°C Db

Exi

II 1 GD Exia IIC T6/T4 Ga

Exia IIC T6 Ga

Exia IIC T4 Ga

Exia IIC T85°C IP66/67 Da Exia IIC T135°C Db

UL/CSA

Class I Div 1 Groups A, B, C, & D

Class II Div 1 Groups E, F, & G

TR CU

As per ATEX/IECEx Exd & Exia



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VDHA

HAZARDOUS AREA CLOGGING INDICATOR

Model Code Breakdown

VDHA - 450 - C - 5 - Exd - X - V

HAZARDOUS AREA CLOGGING INDICATOR
ELECTRICAL CLOGGING INDICATOR

MAX PRESSURE RATING

450 BAR = 450
700 BAR = 700
1035 BAR = 1035

INDICATOR TYPE

ELECTRICAL = C

DIFFERENTIAL PRESSURE INDICATION SETTING

2 BAR = 2
5 BAR = 5
X BAR = X

PROTECTION LEVEL

IECEx-Exd, ATEX-Exd (ZONE 1 & 2) UL/CSA CLASS 1 DIV1 = Exd
IECEx Exia, ATEX Exia (ZONES 0,1 & 2) = Exi

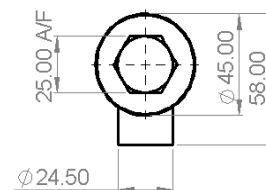
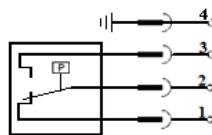
REVISION STATUS

LATEST REVISION = X

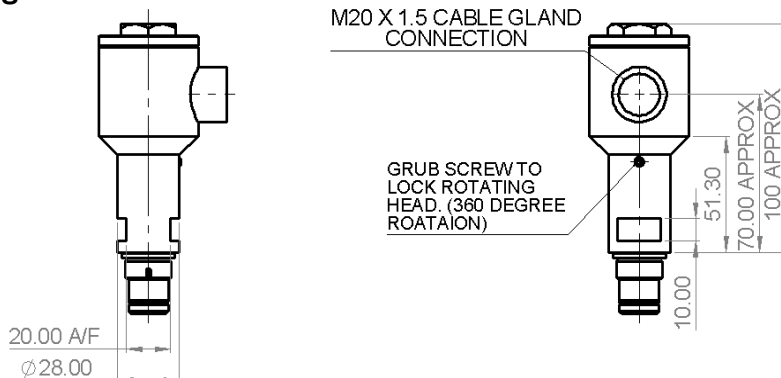
SEALING POLYMER

VITON/EQUIVALENT = V
NITRILE /EQUIVALENT = N
EPDM(ETHYLENE PROPYLENE DIENE MONOMER)= E
KALREZ/EQUIVALENT = K

Circuit



Dimensions



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GENERIC ASSEMBLY DRAWINGS OF EACH PRESSURE RANGE AVAILABLE ON REQUEST
450 Bar - 3972672 700 Bar - 3972672 1035 Bar - 3972515