

Explosion-safe Bulkhead Connector AR-081

For gasses and liquids



Features

- ATEX certified
- Method of protection against ignition Ex d
- For the passage of gasses and liquids
- Minimal pressure losses
- Holds hardly any moisture and dries quickly
- Modern industrial design
- Easy to clean
- Stainless steel AISI 316



II 2 G EEx d IIC



Description

The Artidor bulkhead connector was designed as a flame arrester for fitting in the wall of an explosion-safe flameproof Ex d housing. The bulkhead connector ensures the unobstructed passage of gasses and liquids without affecting the explosion-safe nature of the housing.

In the event of an explosion in the flameproof housing, the bulkhead connector prevents the flames and hot gases from being emitted; the hot gas is cooled by the bulkhead connector to such an extent that it is no longer capable of igniting the potentially explosive atmosphere.

The bulkhead connection can be used as a coupling for pipes for gasses and liquids such as coolants, refrigerants, hydraulic fluids and pneumatics. Thanks to its special design, the pressure loss in the bulkhead connector is very low and it holds no moisture. Therefore the bulkhead connector is extremely suitable for use in sampling pipes in gas analysis equipment.

Flameproof housings are not usually designed to withstand an explosion arising at a pressure higher than 110% of the atmospheric pressure. A simple way to prevent pressure build up is the use of the bulkhead connector as a breather.



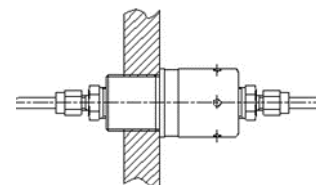
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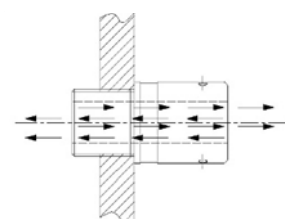
Technical data

Explosion safety:	II 2 G EEx d IIC
Applicable EU directives:	2014/34/EU (ATEX 114)
Applied standards:	EN 50014:1997, EN 50018:2000
EU Type Examination Certificate:	KEMA 01ATEX2136 U component certificate
Temperature class:	Dependent on the volume of the applied flameproof enclosure
Material:	Stainless steel AISI 316
Ingress Protection level:	IP65 according to EN 60529
Mounting thread:	M32 x 1,5
Connections:	3/8" NPT (2x)
Free transmission area:	28 mm ²
Transmission ratio:	10 liter / minute at 28 mBar pressure differential (gas)
Ambient temperature:	-20 °C to +40 °C
Dimensions:	Ø 39 x 75 mm
Weight:	510 gram



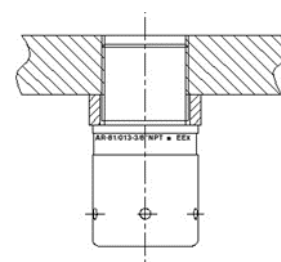
Transit of tubing

For the installation of tubing in an Ex d housing



Breather

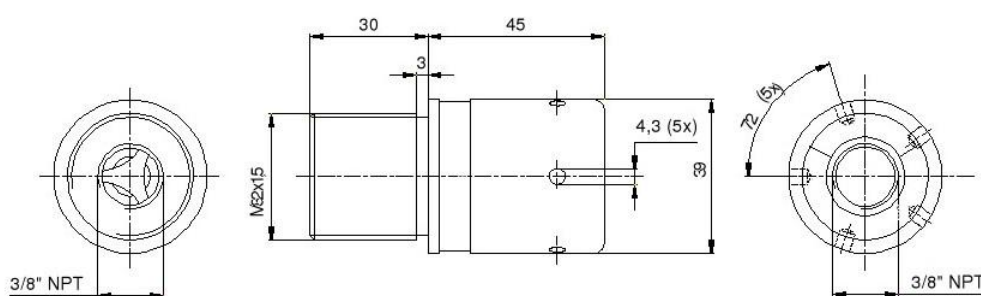
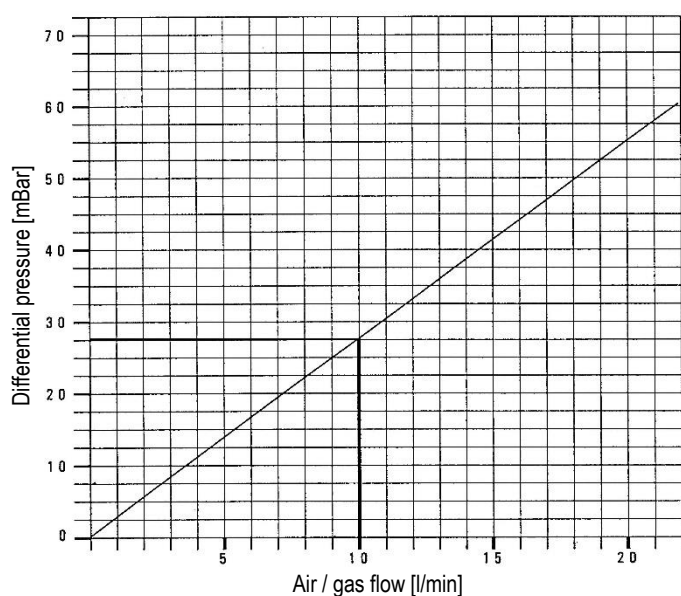
As an open connection between the in- and outside of an Ex d housing



Drain

To drain condensate water from an Ex d enclosure.

Pressure - Flow characteristics



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Ordering code

Type number	Product	
AR-081/013	Bulkhead Connector	
GE-081/000	Hook spanner	Tool to mount the bulkhead connector in a flameproof housing