

Aluminium die-cast coupling

Hs-Umformtechnik developed the aluminium die-cast coupling type DVK 6. This coupling is ideal wherever a gas-tight connection of tubes, pipe bends and branch pipes is needed. The coupling DVK 6 stands for a quick, safe and economic installation. There are no additional welding works needed, it

is easily to be dismantled and all connecting pieces and tubes can be reused. The coupling can be used both for pressure and vacuum conveying, offering besides its technical advantages an easy installation while being vacuum-proof until 0.6 bar and pressure-resistant until 6 bar. At present this aluminium die-cast coupling is available in lengths of 100 mm (vacuum) and 150 mm (pressure). Available are diameters from 38 to 65 mm. The coupling DVK 6 consists of the aluminium body, material AlMgSi 0.5 F22, a dented gasket, a grounding strip for continuous electrical conductivity, corrugated-head screws and galvanized nuts.

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With high protection

Negele Messtechnik offers their mag meter FMA. The complete housing is made of stainless steel to even exceed the high hygienic standards in the food and pharma industry. Another advantage of the stainless steel look in combination with the compact dimensions is that the meter fits excellent in every plant or machine. The high protection type (IP 69K) as well as the possibility to configure the meter without opening the housing (by magnet pen) guarantees a maximum safety against permeating humidity. The mag meter is available in the diameters DN3 to DN100. Especially for the pharmaceutical industry Negele offers special versions which fulfil all requirements of that market. These version are delivered in stainless steel 1.4435 (316L) with 3.1.B material certificates and optionally with certificate for the surface roughness. Negele offers different forms of the electrodes, e.g. front-flush and pointed electrodes. With that wide range it's possible to get the ideal mag meter for nearly all applications in food and pharma.

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Storing combustible liquids in clean rooms

Düperthal's Classic pure M safety cabinet does not only meet the statutory requirement of storing hazardous substances in workrooms, but can also be set up as equipment in clean rooms of class 5 in accordance with ISO 14644-1. This class corresponds to the American standard M 3.5=100 in accordance with US Fed. Std. 209e. The German technical

control board TOV North Cert has determined and confirmed the clean room suitability following VDI 2083.

The cabinet with class type 90 (= fire resistance 90 minutes) ensures that the user has enough time to safely leave the workroom in case of fire and creates the best pre-requisites for fire fighters to quickly extinguish the fire. During everyday

operation, the door of the Classic pure M may even remain open. The integrated fixing device, which is available as standard, is equipped with a thermal release, automatically closing the door at a room temperature of 50°C or higher.

In addition to a high operating comfort, the Classic pure M offers the proven safety of Düperthal products. Apart

from the type examination carried out by the Institute for Material Testing iBMB Braunschweig, the independent TOV Product Service in Eschborn confirmed the cabinet's compliance with DIN EN 14470-1. For device and product safety, the Classic line received the GS marking.

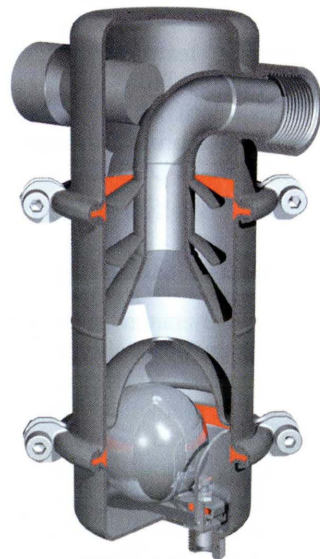
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Centrifugal separator

The principle of centrifugal separation is used to remove drops or droplets from flowing gases, to dry gases and collect condensate. Mankenberg have employed this proven principle in the AS 2 separator. Under operating pressure this separator achieves liquid separation rates of up to 99% without requiring any energy input. The use of stainless steel (type 316L) ensures resistance against corrosion. Given the range of possible surface finishes of the material from the standard 3.2 µm down to 0.8 µm, individual process requirements can be accommodated. Separators are available for PN 16 and in sizes DN 25 and DN 40.



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Combustible gas detection

The Compur Statox 501 IRLC consists of an EExe (enhanced safety) terminal box and a sensor with integrated electronics. This sensor operates at the same supply voltage as a catalytic sensor. Its output signal is also identical to the signal of a catalytic sensor. All the advantages of an infrared gas detector are now available for nearly the

same price as a catalytic sensor and existing gas detection systems can now be upgraded without replacing the existing hardware.

Of course the miniaturised chip inside the sensor cannot provide the same powerful electronics and software package as a high-end instrument, but however the Compur Statox 501 IRLC features the most important advantages of an infrared system.

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