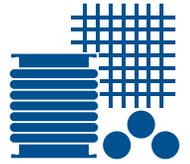


BFM® APPLICATIONS- NEGATIVE PRESSURE



BFM® fittings are often used in various applications where they are operating in negative vacuum situations. Typically these installations are in operations where the plants are drying or processing dry powdered type products and need the plant and equipment to be under a slight negative to keep the internal of the buildings clean from leaking dust out of machinery. The BFM® fitting works and seals perfectly in almost all negative pressure applications. In these types of applications the clear Seeflex 040E is often the media of choice as operators are able to see the product circulating through their plants.



BFM under negative pressure.



BFM under cyclone in a Dairy Factory

What negative vacuum can a BFM® fitting run at?

Although it has been proven that the BFM® fittings will run at a negative vacuum well in excess of our suggested 1000mm (40") w.g., it is recommended that you contact either BFM Global or one of our local distributors if you want to run in excess of the parameters. Other options to increase the vacuum levels a BFM will handle include using LM4, inserting 6mm stainless steel rings or using the TR (Tool Release) BFM connector.

BFM LM4 Connectors

BFM® connectors can be manufactured from LM4 which is a 100% pure woven polyester fabric. The woven fabric has been proven to allow air to bleed into the system, alleviating the pressure. We have numerous examples of this working, especially at the base of Silo's where bridging can occur causing a sporadic and extreme negative pressure situation.



BFM in LM4 under Silo



BFM with SS Ring

BFM Seeflex 040 connectors with Support Rings

On the longer BFM® connectors stainless steel rings can be manufactured into the connector to help hold the connector in shape.



BFM Flexi-Connector

BFM Flexi-Connectors

There are BFM® flexi-connectors available in 200mm and 300mm diameter. The BFM® flexi has a stainless steel spiral wire wrapped in urethane. These connectors are commonly used on two applications. 1. Light vacuum applications. 2. Where it is critical that the connector is held open while it moves up or down and as the product flows through the connector.

BFM TR Connectors

BFM manufactures a range of connectors where the cuff has a stronger seal in the spigot. These connectors require a tool to release them from the spigot. Ask a representative for more info.