

A Gland Seal Solution For Cleanrooms

Mucon Iris Diaphragm Valves – Not just for controlling powder!

The Mucon Iris Diaphragm Valve (IDV) has proved itself to be one of the most versatile flow control valves for dry bulk solids. When fitted with an elastomeric diaphragm, the valve is capable of closing around lumps of product, or even foreign bodies trapped during closure, whilst still providing an effective seal to smaller particles and dust. It is this unique feature that has enabled the IDV to be used for a variety of unusual valving applications. One of these applications is sealing around service tubes between clean rooms.

The Problem

Transfer of material from one condition to another e.g. between light and dark rooms or rooms with pressure differential.

When clean rooms operate at a slight over pressure, with one being at a higher pressure than the other, problems of pressure loss occur on a regular basis.

The Requirement

An effective, hygienic and reliable way of sealing around the tubes passing ‘through the wall’ separating one condition from another.

Temporary sealing of service pipe work or tubing e.g. CIP, Gas Pipes etc.

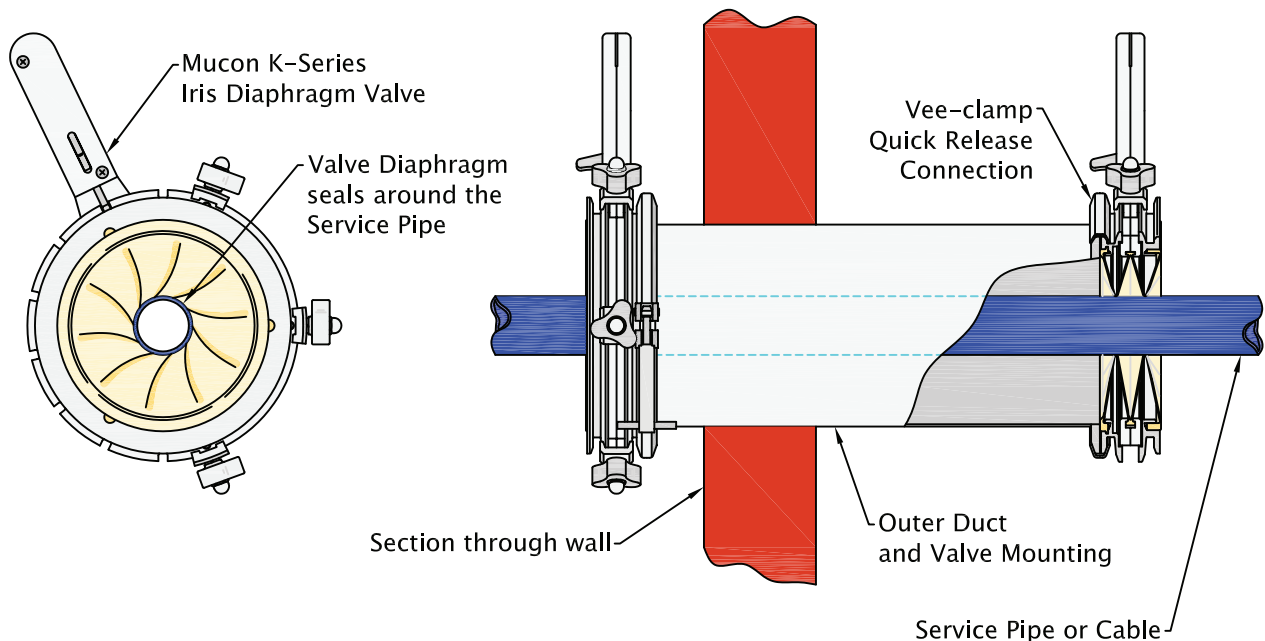


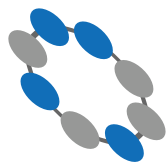
The Solution

Mucon high hygiene K-Series Iris Diaphragm Valve with quick disconnect flanges which brings the tubes together and closes tightly around them.

The material flows freely without pressure leakage or damage to the tubes.

The one piece moulded diaphragm also acts as the valve gaskets. It is easy to remove without tools.





PROCESSCOMPONENTS

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