



The new industry standard for flexible connectors



Food



Chemical



Pharma



Mineral

BEFORE

AFTER



BFM® fitting system

The BFM® fitting system comprises two spigots (or flanges) that are welded to your pipes, and a snap-fit, blue band™ flexible connector that seats on the inside of the shaped portion of the two spigots, holding it securely in place.

Our Seeflex range, made from clear, ether-based polyurethane, are the most widely used BFM® fitting connectors across many industries, but we have a broad range of materials for almost every process application.

To ensure consistent fit, and better inventory control, BFM® fitting products are manufactured in standard nominal metric (mm) diameters and lengths:



(Certain materials and larger diameter connectors have size/length restrictions).

Old Style

CLAMPED
SLEEVES



New Industry Standard

BFM®
INTEGRATED
SYSTEM



Benefits You'll See With BFM® fitting:

Improves Hygiene

There's no product build-up and easy flush-through for cleaning provides a much more hygienic connection solution than clamped products where crevices can breed bacteria.

Quicker Changeovers

The snap-fit design means BFM® fitting connectors have the fastest changeover in the market - they can be replaced in less than 30 seconds.

Explosion Resistant

The snap-fit internally seated cuff and spigot design seals tighter under pressure and the Seeflex range of connectors have been explosion tested in excess of 60kPa (0.6 bar, 8.7 psi).

Reduces Downtime

Faster changeovers, longer-lasting materials and less dust leakage mean there is significantly less lost production time for connector replacements and clean-ups with BFM® fittings.

More Durable

The materials and design of the BFM® fitting connector system are extremely long-wearing and durable so they don't need to be replaced as often as other connectors.

No Product Loss

The 100% seal and the durable nature of the connectors mean no valuable product escapes during normal production and there's no spillage due to connectors tearing.

Streamlines Inventory

Consistent, exact sizing simplifies and streamlines inventory control, improves supply chain sustainability and ensures a perfect fit in the right position every time.

Better Health & Safety

No tools required for installing standard BFM® connectors, plus less dust in the plant atmosphere provides a healthier and safer environment for staff.

Regulatory Compliant

BFM® fitting products have been independently tested and conform with the leading internationally recognized health and safety legislation.



Non-Permeable Connectors

Seeflex 040E

Strong, most resilient multi-purpose connector



- **Temp. Range:**
-25°C to 110°C (-13°F to 230°F)
Surges to 120°C (248°F)
- **Surface Resistivity:** $10^{10} \Omega$
- **Max. Operating Pressure:**
0.34 bar / 5.0 PSI
- **Compliant with:**
EC, FDA, USDA & 3A, ATEX

Seeflex 020E

Lightweight & flexible, ideal for weighscale applications



- **Temp. Range:**
-25°C to 80°C (-13°F to 176°F)
Surges to 100°C (212°F)
- **Surface Resistivity:** $10^{10} \Omega$
- **Max. Operating Pressure:**
0.10 bar / 1.5 PSI
- **Compliant with:**
EC, FDA, USDA & 3A, ATEX

Seeflex 040AS

Designed to dissipate static, ideal for potentially explosive areas



- **Temp. Range:**
-25°C to 95°C (-13°F to 203°F)
Surges to 100°C (212°F)
- **Surface Resistivity:** $10^8 \Omega$
(very good at dissipating static)
- **Max. Operating Pressure:**
0.24 bar / 3.5 PSI
- **Compliant with:**
EC, FDA, USDA & 3A, ATEX

Seeflex 060ES

Superior strength for over-pressure situations



- **Temp. Range:**
-25°C to 120°C (-13°F to 248°F)
Surges to 140°C (284°F)
- **Surface Resistivity:** $10^{10} \Omega$
- **Used for continuous pressure situations:**
Up to 1.7 bar / 24 PSI
- **Compliant with:**
EC, FDA, USDA & 3A, ATEX

Blanking Caps

As sight-glasses/viewing ports & sealing during changeovers



- Used to prevent contamination during clean down or change-over, also as sight-glasses/inspection ports
- **Available Diameters:**
Ø100mm (4") to Ø1,650mm (65")
in 50mm (2") increments
- **All blanking caps are:**
30mm (1 3/8") in length
- Made from Seeflex 040E

Blanking Bins

Ideal for sifter overs, transparent for monitoring fill level & reject consistency



- Can be lined with plastic bags for easy disposal of reject product
- **Available Diameters:**
Ø100mm (4") to Ø1,650mm (65")
in 50mm (2") increments
- **Available Lengths:**
80mm (3"), 100mm (4") then in 50mm (2") increments up to 1,000mm (39 1/2")

Flexi (Seeflex + Wire Coil)

Ideal for bag feeders & filling heads



- **Temp. Range:**
-20°C to 85°C (-4°F to 185°F)
Surges to: 105°C (221°F)
- **Approx compression ratio:**
3:1 (wire coil section)
- **Available in:**
Flexi-Light (more flexible coil)
Flexi-Earthed (with built-in terminal lugs for grounding)
- **Compliant with:**
EC, FDA, USDA & 3A, ATEX

Teflex NP Black

PTFE film for temperature extremes & harsh chemicals



- **Temp. Range:**
-73°C to 300°C (-99°F to 572°F)
Surges to 316°C (600°F)
- **Surface Resistivity:** $10^6 \Omega$
- **Max. Operating Pressure:**
0.34 bar / 5.0 PSI
- **Compliant with:**
EC, FDA & USDA, ATEX

Teflex NP Opaque

PTFE film, semi-transparent to view product flow



- **Temp. Range:**
-73°C to 300°C (-99°F to 572°F)
Surges to 316°C (600°F)
- **Insulative material**
- **Max. Operating Pressure:**
0.34 bar / 5.0 PSI
- **Compliant with:**
EC, FDA & USDA

Bulk Bag Loader

Inflatable loading head for hygienic operation



- **Inflates in seconds and seals tight** on the neck of bulk bag, eliminating product leaks
- **Much safer for workers hands** as there are no pinch points
- Can be used on bulk bags with or without plastic liners
- **Material complies with:**
EC, FDA & USDA, ATEX

Corner Connector

Replaces expensive steel tun-dishes in CIP



- **Available in:**
Seeflex 040E and 060ES material
- Redirects CIP wash fluid to a drain to keep equipment and product dry
- Can be used to connect equipment on different levels when there is limited space

Weighing Bellows

Prevents force transfer on weigh-scales



- Fast & easy snap fit, no manual adjustment required, made from durable Seeflex 040E.
- **Available Diameters:**
Ø100mm (4"), Ø150mm (6"), Ø200mm (8")
- **Standard Height** of 80mm (3")

Woven Connectors

LM3

100% woven polypropylene-breathable, suitable for low temperatures

- **Temp. Range:**
-70°C to 94°C
(-94°F to 201°F)
- **Surge Temp:**
107°C (225°F)
- **Air Permeability:**
13 (cm³/cm²/sec@125Pa)
25 (ft³/ft²/min@0.5" wg)
- **Compliant with:**
EC, FDA, ATEX



LM4

100% woven Polyester-suitable for higher temperatures

- **Temp. Range:**
-55°C to 130°C
(-48°F to 266°F)
- **Surge Temp:**
150°C (302°F)
- **Air Permeability:**
0.4 (cm³/cm²/sec@125Pa)
0.8 (ft³/ft²/min@0.5" wg)
- **Compliant with:**
EC, FDA, ATEX



Teflex Woven

Tightly woven pure PTFE-high temperature & chemical resistant

- **Temp. Range:**
-40°C to 260°C
(-40°F to 500°F)
- **Surge Temp:**
280°C (536°F)
- **Air Permeability:**
0.3 (cm³/cm²/sec@125Pa)
0.5 (ft³/ft²/min@0.5" wg)
- **Compliant with:**
FDA, ATEX



FM1 Breather Bag

Polyester needle felt for venting hoppers & other contained vessels

- **Temp. Range:**
-20°C to 130°C
(-4°F to 266°F)
- **Surge Temp:**
150°C (302°F)
- **Air Permeability:**
17 (cm³/cm²/sec at 125Pa)
33 (ft³/ft²/min at 0.5 inch wg)
- **Compliant with:**
EC, FDA



BFM® Product Options

Rings

Support / anti-collapse rings to keep connector walls open

- Ideal for negative pressure, longer lengths or compression
- Available in stainless steel to Ø500mm (20") or plastic to Ø1,000mm (39½")
- Can be added to Seeflex 040E, 040AS, LM3, LM4, Blanking Bin, Teflex woven & Teflex NP (SS)



Tool Release (TR)

Safety option to reduce risk of staff putting hands near dangerous moving parts

- Much firmer 'snap-bands' make TR connectors virtually impossible to release manually
- Specialist rounded-end or 'Smiley Faced' BFM® Tool Release Tool used to release connector
- Any BFM® fitting connector can be supplied as a TR option (≤Ø650mm)



TR Lock-Out Safety System

Adds an extra level of safety to the TR option

- A lock-out 'tube' is welded over the TR hole & a padlock inserted
- Blocks access to the TR hole so padlock must be removed
- Key to padlock held securely to control access



Quick Access Port

Makes metal detector testing or product sampling easy

- A polyurethane thread port hole & screw-in plug inserted in a Seeflex 040E or 060ES connector wall
- Allows easy access for metal detector test ball drops or product sampling without interrupting product flow or removing connector



In addition to the above range, BFM® has a variety of other products, including:



Wash Sleeve

Identifiable for exclusive CIP use



Tapered Connector

As hoppers or for flow correction



Kevlar Cover

Prevents fire in the event of explosion



Black-Out Cover

Used for light-sensitive processes



Venting Surge Hopper

Flexible alternative to steel surge / vent hoppers

Your Local BFM® Distributor is:

ProSpare

Make it better.

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