# BFM® Australia

Official Distributor of BFM® fittings

# The new industry standard for flexible connectors

Food Chemical Pharma Mineral



# BFM® fitting system

The BFM® fitting system comprises two spigots (or flanges) that are welded to your pipes, and a snap-fit, BLUEBAND™ 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:



**Diameter Ø (mm):** 100 125 150 — in 50mm (2") increments from 150mm — 1650

**Length (mm):** 80 100 — in 50mm (2") increments from 100mm — 6000

*(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.

3A® EC1935/2004 FDA USDA Ex

# BFM® fitting product range

## 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:** $10^{10}$ Ω
- **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:** $10^{10}$ Ω
- **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:** $10^{8}$ Ω
  (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:** $10^{10}$ Ω
- **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 3/16") 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 (39½")

### 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:** $10^{6}$ Ω
- **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")

# BFM® fitting product range

## 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 ($cm^3/cm^2$/sec@125Pa) 25 ($ft^3/ft^2$/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 ($cm^3/cm^2$/sec@125Pa) 0.8 ($ft^3/ft^2$/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 ($cm^3/cm^2$/sec@125Pa) 0.5 ($ft^3/ft^2$/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 ($cm^3/cm^2$/sec at 125Pa) 33 ($ft^3/ft^2$/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

## BFM® Australia

BFM® Australia is part of BFM® Global Ltd (New Zealand), the manufacturer of BFM® fitting flexible connections and a global leader in the industry.

We are the official distributor of BFM® fitting in Australia and work with companies across the country to make their plants cleaner, safer, and more efficient.

SCAN ME


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