HOW TO ELIMINATE

Dust Leakage & Excess Downtime With BFM® fitting

— 10 OCTOBER 2023 —



Meet Our Speakers



=

BFM® At a Glance

Made in NZ, Used The World Over



Just some of our Global Customers



F

AGENDA

U

The BFM[®] fitting 100% seal - cleaner, safer & more efficient



Case Studies

BFM® Product Range



Industries & Applications Q&A

The BFM® fitting 100% seal – cleaner, safer & more efficient

The Problem with Old-Style Connectors

=



- Short lifespan so frequent replacements
- Lengthy installation process
- Significant downtime to replace & clean up after
- Larger inventory due to variation in sizes



Unhygienic

- Poor sealing ability
- Product build-up between connector & pipe walls
- Frequent cleanups required



- Unsafe
- Dust leakage is a serious
 explosion risk
- Dust in plant atmosphere unhealthy for staff
- Clamps and tools required for fitment risk workers hands

01. The BFM® fitting 100% seal – cleaner, safer & more efficient



F

THE BFM® ADVANTAGE

What's so great about a BFM[®] fitting?







AFTER BFM® FITTING

BEFORE

BFM® GLOBAL LTD. | WEB: BFMfitting.com







AFTER BFM® FITTING

BEFORE



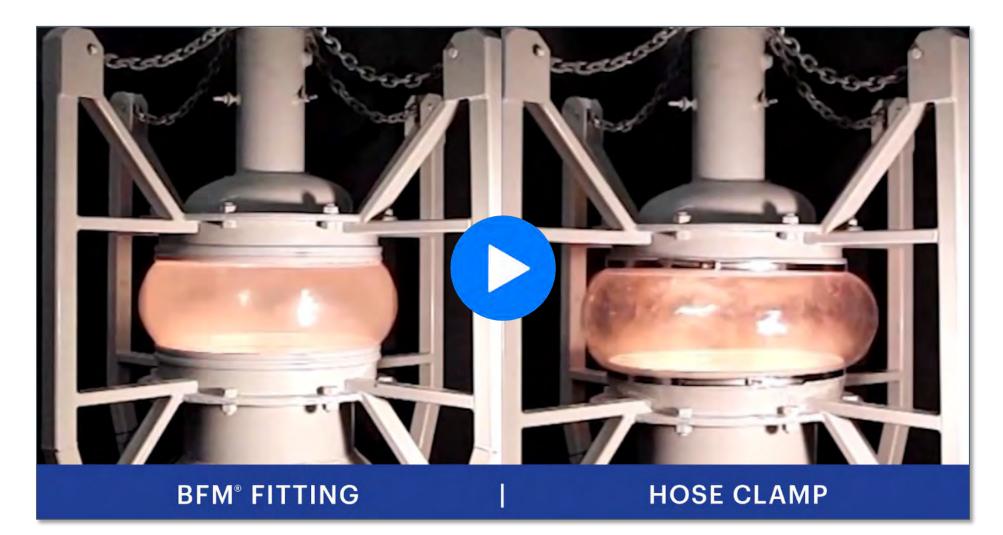






 Snap fit installation means no tools required for standard BFM[®] fitting connector installation & removal • For high-risk areas, **special tool-release options** are available for added staff security, with user friendly design





REGULATORY COMPLIANCE

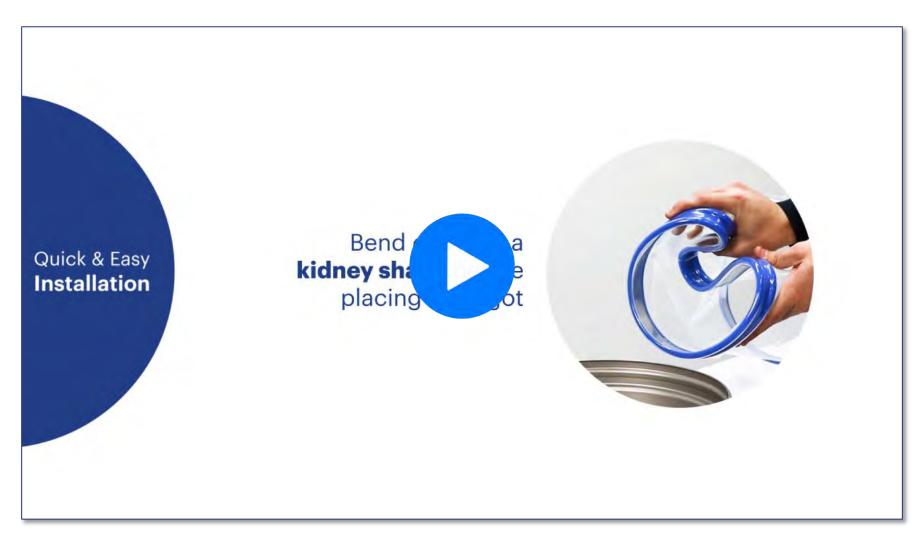




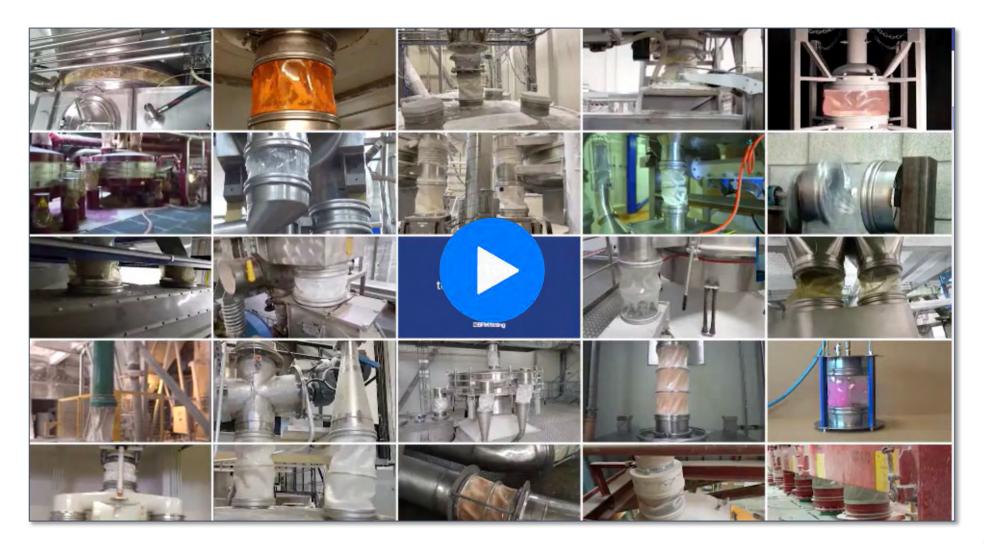


Ę













BFM® are lasting over **50x longer**

than our previous connectors

— Uk Plaster Manufacturer

Helps STREAMLINE YOUR INVENTORY



Ę



Significantly REDUCES DOWNTIME





Ţ

BFM® SPIGOTS RANGE





STANDARD SPIGOT

- Stainless Steel T304L and T316L , & C22 Hastelloy
- Ø100mm to 1,650mm in 50mm increments (incl a Ø125mm)

LIPPED SPIGOT

- Stainless Steel T304L only
- Ø100mm to 400mm in 50mm increments

BFM® SEEFLEX RANGE



SEEFLEX 040E

Temp Range:	
Surge Temp:	
Surface Resistivity:	
ATEX Compliant:	

Regulations:

- 25 to 110°C
120°C
10 ¹⁰ (Tested to ASTMD-257)
IBExU tested
• FDA 21 CFR 177.1680 & 177.2600 • USDA
• (EC) 1935/2004, 2023-2006 & 10/2011



SEEFLEX 020E

- 25 to 80°C

100°C

10¹⁰ (Tested to ASTMD-257)

IBExU tested

FDA 21 CFR 177.1680 & 177.2600
USDA
(EC) 1935/2004, 2023-2006 & 10/2011



- 25 to 95°C

100°C

10⁸ (Tested to ASTMD-257)

IBExU tested

• (EC) 1935/2004, 2023-2006 & 10/2011

• FDA 21 CFR 177.1680 & 177.2600

• USDA



SEEFLEX 040AS SEEFLEX 060ES

- 25 to 120°C

140°C

10¹⁰ (Tested to ASTMD-257)

IBExU tested

FDA 21 CFR 177.1680 & 177.2600
USDA
(EC) 1935/2004, 2023-2006 & 10/2011

BFM® GLOBAL LTD. | WEB: BFMfitting.com

BFM® TEFLEX RANGE





TEFLEX NP BLACK



TEFLEX WOVEN

Temp Range:	- 40 to 260°C	
Surge Temp:	280°C	
Surface Resistivity:	Insulative	
ATEX Compliant:	IBExU tested	IBI
Regulations:	• FDA 21 CFR 177.1550, 178.3297.	• FDA 21 CFR • (EC) 1935/2

73 to 300°C	
316°C	
10 ⁶	
BExU tested	
FR 177.1550 & 178.3297 /2004 & 10/2011.	• FD/ • (EC

TEFLEX NP OPAQUE

- 73 to 300°C 316°C Insulative IBExU tested • FDA 21 CFR 177.1550 • (EC) 1935/2004 & 10/2011.

BFM® FLEXI RANGE







FLEXI-EARTHED

FLEXI CONNECTOR

FLEXI-LIGHT

Temp Range: - 20 to 85°C - 20 to 85°C - 20 to 85°C Surge Temp: 105°C 105°C 105°C **Compression Ratio:** 3:1 4:1 3:1 **ATEX Compliant:** IBExU tested IBExU tested IBExU tested • FDA 21 CFR 177.1680, 175.105 (adhesives) & 177.2600 • FDA 21 CFR 177.1680, 175.105 (adhesives) & 177.2600 • FDA 21 CFR 177.1680, 175.105 (adhesives) & 177.2600 **Regulations:** • (EC) 1935/2004, 2023-2006 & 10/2011 • (EC) 1935/2004, 2023-2006 & 10/2011 • (EC) 1935/2004, 2023-2006 & 10/2011 • USDA • USDA • USDA

BFM® BREATHABLE CONNECTORS





LM3 CONNECTOR

LM4 CONNECTOR

FM1 BREATHER BAG

Max. Operating Temp:	-70 to 94°C	- 40 to 130°C	- 20 to 130°C
Max. Surge Temp:	107°C	150°C	150°C
Surface Resistivity:	10 ⁸	10 ⁹	10 ⁸
ATEX Compliant:	IBExU tested	IBExU tested	N/A
Regulations:	• FDA 21 CFR 177.2800 • (EC) 1935/2004, 2023/2006 & 10/2011	• FDA 21 CFR 177.2800 • (EC) 1935/2004, 2023/2006 & 10/2011	• FDA 21 CFR 177.2800 • (EC) 1935/2004 & 10/2011

BFM® BLANKING CAPS & BINS



BLANKING CAP

Temp Range: Surge Temp: Surface Resistivity: **ATEX Compliant: Regulations:**

- 25 to 110°C
120°C
1010
IBExU tested
• FDA 21 CFR 177.1680 & 177.2600 • USDA

• (EC) 1935/2004, 2023-2006 & 10/2011



BLANKING BIN

- 25 to 110°C

120°C

10¹⁰

IBExU tested

• FDA 21 CFR 177.1680 & 177.2600

• USDA

• (EC) 1935/2004, 2023-2006 & 10/2011

BFM® BULK BAG LOADER





BFM® COVERS





KEVLAR COVER

ER

ATEX Compliant:

Regulations:

IBExU tested*

- FDA 21 CFR 177.1680 & 177.2600
- USDA
- (EC) 1935/2004, 2023-2006 & 10/2011

BLACK-OUT COVER

IBExU tested*

- FDA 21 CFR 177.1680 & 177.2600
- USDA
- (EC) 1935/2004, 2023-2006 & 10/2011

BFM® ADDITIONAL OPTIONS





BFM® NEW PRODUCTS

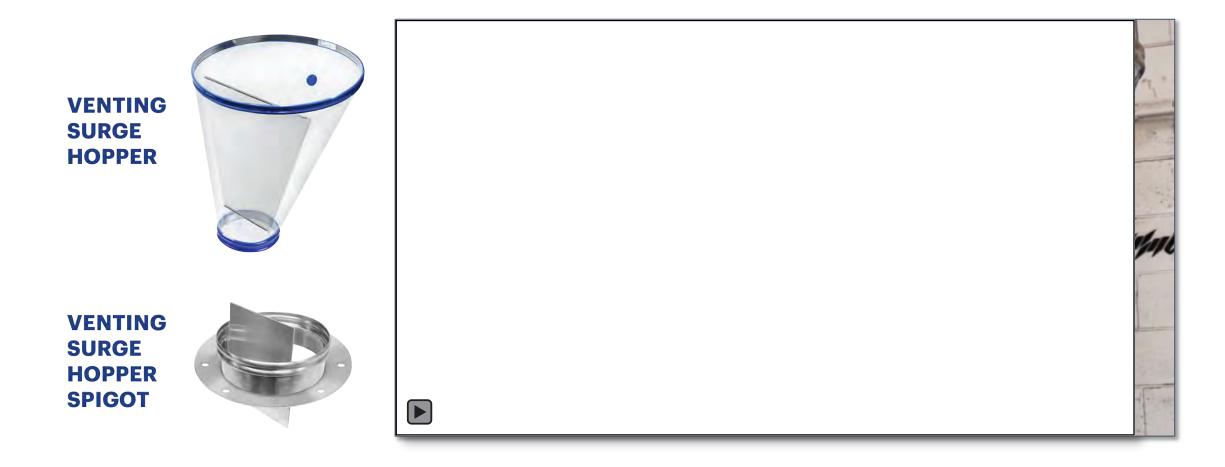


CORNER CONNECTOR 040E & 060ES



QUICK ACCESS PORT OPTION

BFM® VENTING SURGE HOPPER



BFM® WEIGHING BELLOWS



WEIGHING BELLOWS

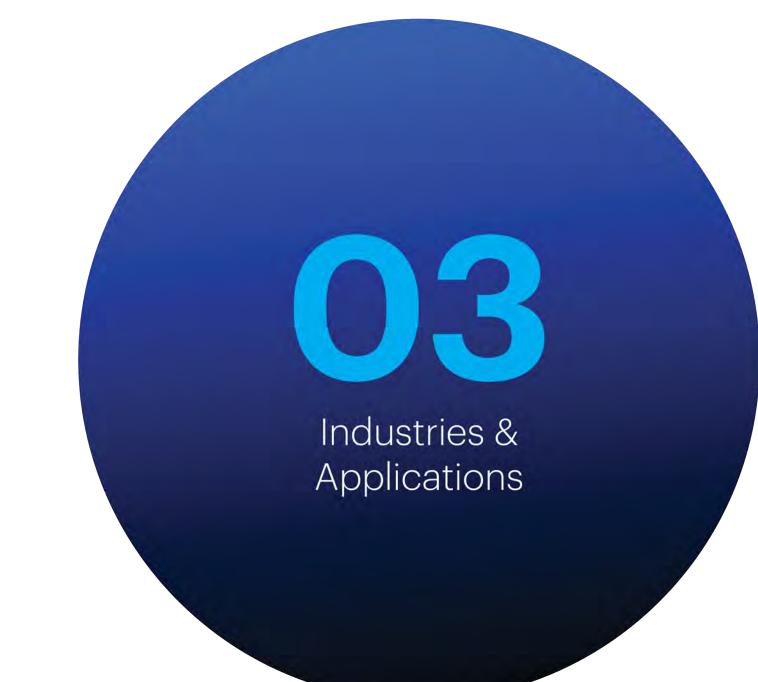


BFM® WEIGHING BELLOWS



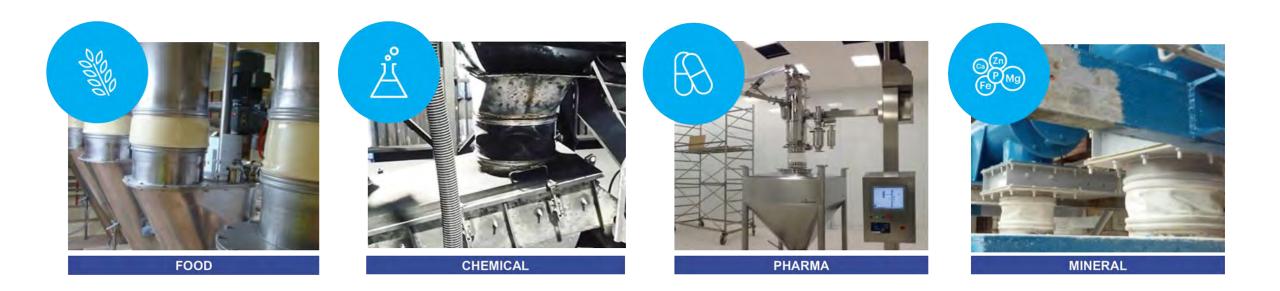
WEIGHING BELLOWS





Ţ

INDUSTRIES

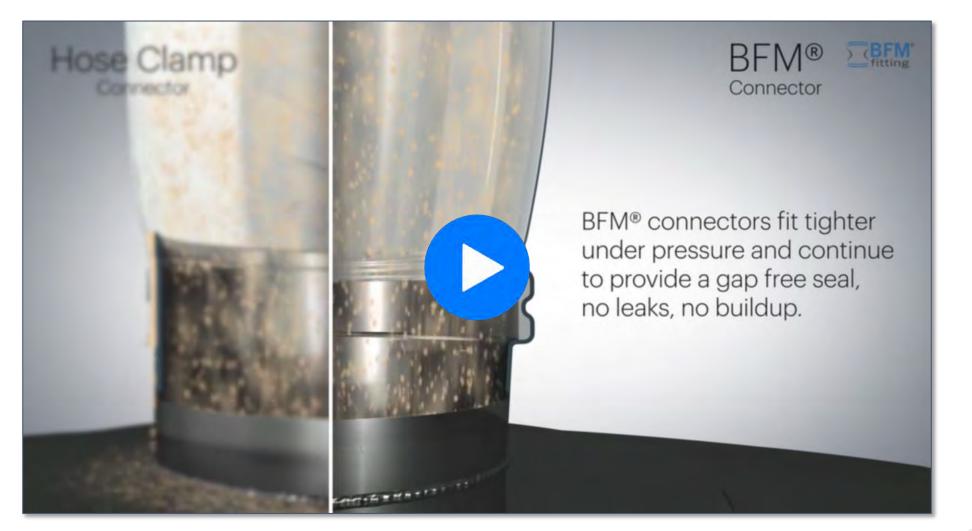


APPLICATIONS / OPERATING CONDITIONS

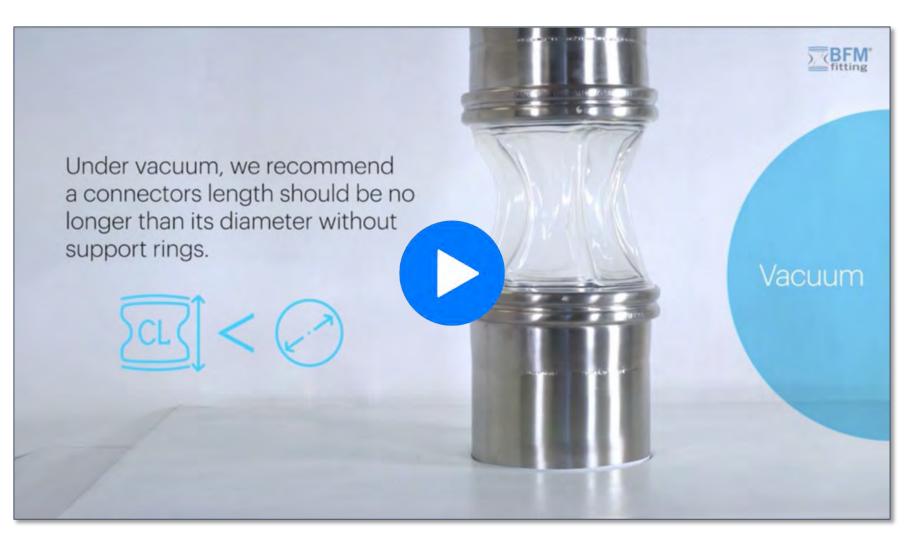
BFM® & MOVEMENT



BFM® & PRESSURE



BFM® & VACUUM





Ę



BFM® & METAL DETECTORS



METAL DETECTOR UNDER SILO



FROM A BIN DISCHARGE TO INTERMEDIARY HOPPER

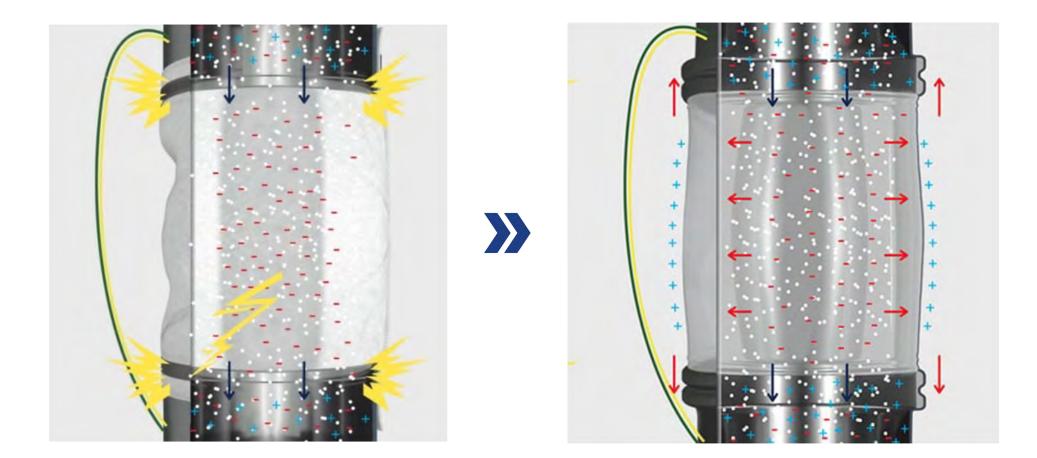
BFM® & METAL DETECTORS

EASY ACCESS FOR METAL DETECTOR TESTING



QUICK ACCESS PORT OPTION





— Aren't earthing cables enough?

- No!



High Risk Area Solution:

Double Layer Connectors



BFM® & CLEAN IN PLACE (CIP)



BFM® & CLEAN IN PLACE (CIP)



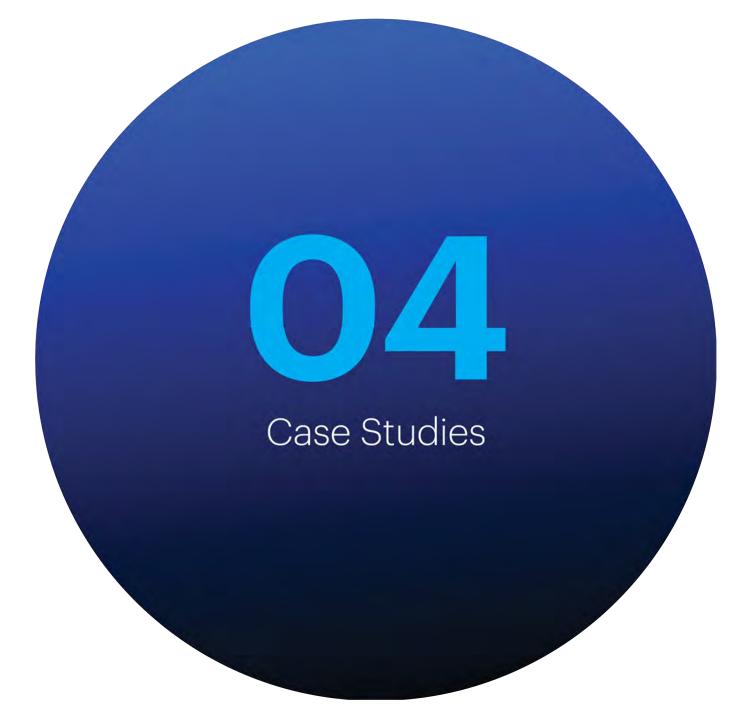
BFM® & CLEAN IN PLACE (CIP)



Replaces expensive tundish type drainage systems









HEAVY LEAKAGE SOLVED On Sifter With Large Throw





BEFORE

AFTER BFM® FITTING

Read full Case Study here.







BEFORE



AFTER BFM® FITTING

Read full Case Study here.





BEFORE

AFTER BFM® FITTING

Read full Case Study here.

EASY CLEAN-ROOM HYGIENE & LESS DOWNTIME For Ingredient Manufacturer



BEFORE



AFTER BFM® FITTING

Read full Case Study here.



BFM® GLOBAL LTD. | WEB: BFMfitting.com

GETTING THE PERFECT FIT



Identify the connection type

- Static Inline
 Static Offset
 - Vibrating
 Oscillating



Measure total space available

• Measure the maximum space available to fit the spigots and connector



Measure diameter on all connections

• Measure total space and diameters on all machines.

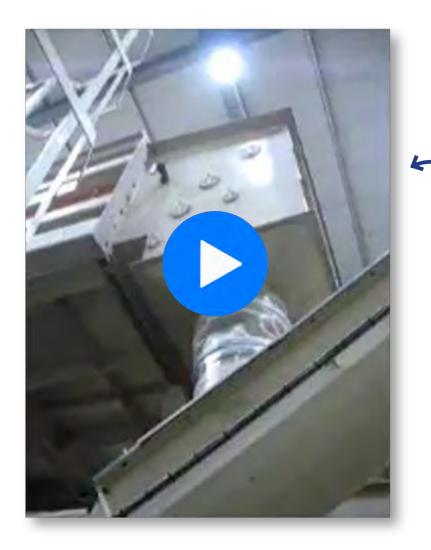
Note: BFM[®] spigot diameters are measured on the inside diameter (ID) except for the 100mm / 4" spigots which are measured on outside diameter (OD).

BFM fitting

GETTING THE PERFECT FIT



TIPS FOR MEASURING MOVEMENT



Measuring with a laser pointer

INSTALLING SPIGOTS



INSTALLATION GAP (IG) CALCULATOR



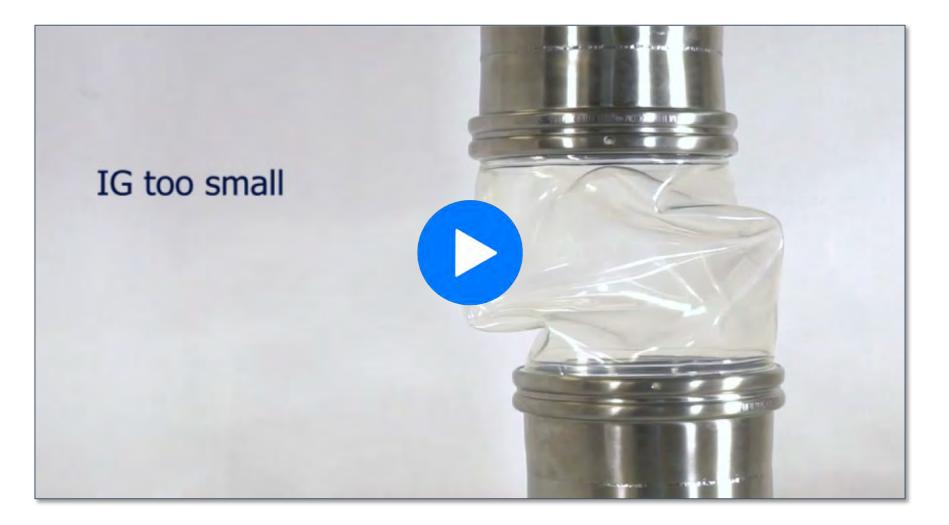
BFM fitting

Ę

Installation Don'ts: DON'T INSTALL WITH IG THAT'S TOO BIG



Installation Don'ts: DON'T INSTALL WITH IG THAT'S TOO SMALL



Installation Don'ts: ENSURE BOTH CUFFS ARE INSIDE THE SPIGOT RIDGES



SPIGOT ADAPTATION



SQUARE TO ROUND



FLUSH-MOUNTED



BLANKING BIN LID

SPIGOT ADAPTATION



CONTAINER LOADING/LID

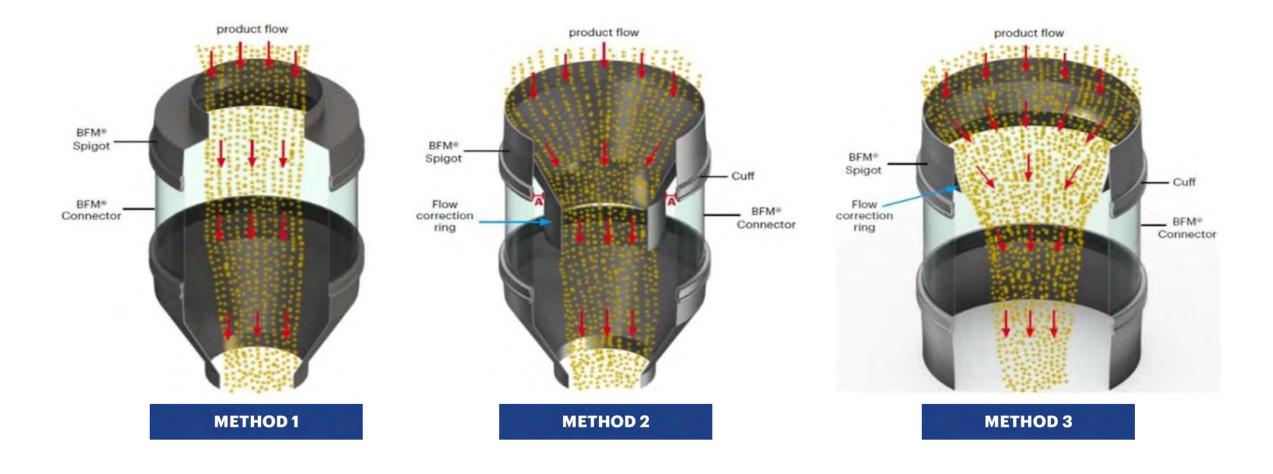


MATCON IBC LOADING



TWIN DISCHARGE TO BUTTERFLY VALVES

BFM® & FLOW CORRECTION



BFM® & FLOW CORRECTION





Thanks for Attending



BFMfitting.com

