FLOW CORRECTION METHODS

Extend the life of your flexible connectors by redirecting product flow.

Some powders can be highly aggressive when flowing through flexible connectors, causing excessive wear and tear

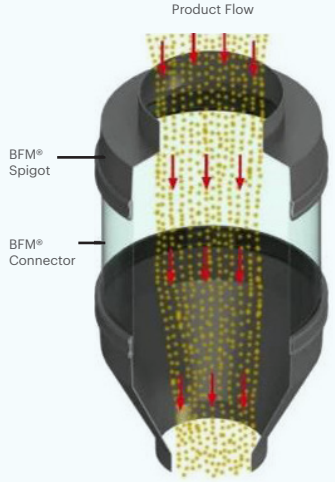
- We recommend using 'flow correction' methods like flow correction rings to redirect product flow and minimize wall contact.
- BFM® fitting system offers various options for integrating flow correction during installation, including selecting larger diameter connectors, using tapered connectors, or installing flow correction rings during spigot/pipe setup.

There are four standard methods of achieving flow correction with a BFM® fitting system

The ideal solution for flow correction depends on a number of factors, including connector length and diameter, the product being transported, flow rate and production/cleaning cycles.

Method 1

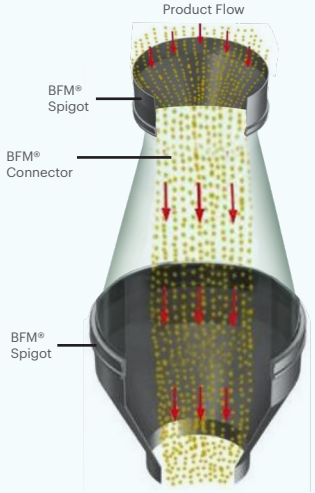
Use a larger diameter BFM® spigot vs pipe at both top and bottom:



- Increase diameter of BFM® spigot at inlet larger than in-feed pipe diameter.
- Ensure product falls through without touching connector sides.
- Ideal for **low-velocity** or **gravity-fed** product flows.

Method 2

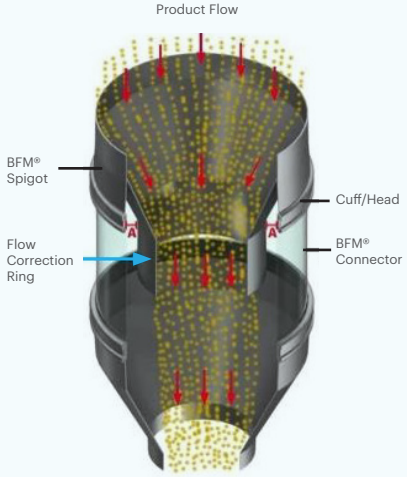
Use a Tapered connector with smaller diameter spigot at the top:



- Reduce the diameter of BFM® spigot at the inlet and increase the outlet diameter.
- Connect the outlet spigot to the pipe with a tapered steel transition.
- Ideal for **low-velocity** or **gravity-fed** product flows.

Method 3

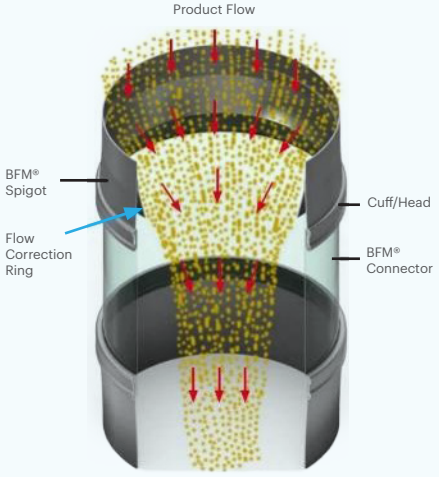
Use a flow ring that extends down inside the connector:



- Install a flow-correction ring that extends down past the connector cuff.
- Ensure the gap ('A' above) between flow correction ring & spigot cuff edge allows for easy connector replacement (ideally a **minimum of 75mm on each side**).
- Suitable for **low-velocity, high velocity** or **gravity-fed** product flows.

Method 4

Use a flow ring that finishes before spigot cuff/head:



- Install a flow-correction ring inside the inlet BFM® spigot to direct powder flow inward away from connector walls.
- Suitable for any diameter spigot and does not affect connector replacement.
- Ideal for **low velocity, high-velocity** or **gravity-fed** flow applications.