Venting Surge Hopper

- Tapered and angled connector with built-in partition
- Ideal for use as an intermediary hopper above a rotary valve to prevent bridging of product and encourage flow
- Partition allows powder to flow in on one side of the partition and displaced air to flow up and out the other
- Gives visibility of product flow without having to open an inspection hatch
- Easy to remove for cleaning in between product runs
- Flexible/malleable connector walls mean any bridging that may occur is easily released without the need for banging/thumping devices.
- Can also be used in bulk bag loading to aid the release of air during bag filling
- Food Grade - compliant with FDA, USDA & EU regulations

Note: Needs to be installed in conjunction with a special BFM® Venting Surge Hopper Spigot on the lower end.

VIBRATION	OSCILLATION	COMPRESSION	DUST TIGHT	FOOD SAFETY	ATEX
✓	✗	✗	✓	✓ ✓ ✓	✓

PHYSICAL PROPERTIES:

(standard Seeflex 040E physical properties apply, including:)

Surface Finish	Gloss/Gloss
Hardness (Shore A)	90
Wall Thickness (+/- 10%)	0.9 mm / 1/32 inch
Tensile Strength (MPa)	40
Operating Temp Range	-25 to 110˚C -13 to 230˚F
Max. Surge Temp	120˚C / 248˚F
Low Temp Flexibility	Good
Max. Operating Pressure (for temp. to 90˚C / 195˚F)*	0.34 bar / 5.0 PSI
Air Permeability	0

AVAILABLE SIZES: *(In 50mm (2") increments)*

Diameter	
Ø1 Inlet (Wider) End:	Ø250mm – 1,000mm (Ø10" – 39½")
Ø2 Outlet (Smaller) End:	Ø200mm - 350mm (Ø8" - 14")
Length	*400mm - 1,000mm (16" to 39½")

(Size range is in mm, so inch conversions are approximate only.)

**Minimum length also varies depending on diameter differential - refer to 'Venting Surge Hopper - Minimum Lengths' table over the page*

COMPLIANCE:

Complies with the following regulations:
FDA 21 CFR 177.1680 & 177.2600, USDA, (EC) 1935/2004, 2023-2006 & 10/2011.

Manufactured from 3A 20-27 certified Seeflex Material and the BFM® cuff and spigot system is a 3A certified 63-04 sanitary fitting.

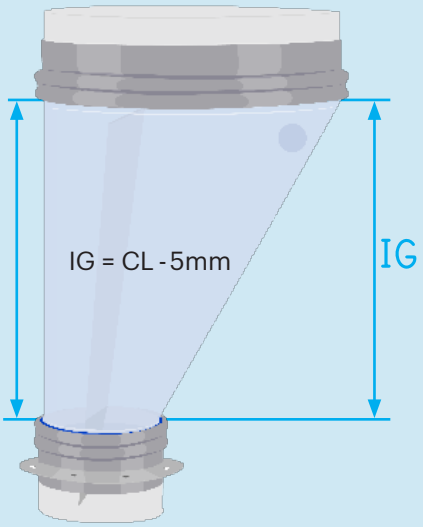
Atex Compliant

Venting Surge Hopper - Minimum Lengths

With tapered connectors, such as the Venting Surge Hopper, where one end of the connector is larger than another, there are minimum connector lengths that apply due to manufacturing constraints.

To check the minimum length requirement for a Venting Surge Hopper, simply select the diameter of the inlet (wider) end (Ø1) and outlet (smaller) end (Ø2) on the chart below (the blue numbers) and the corresponding black number gives the minimum connector length that applies.

IMPORTANT NOTES FOR SPIGOT INSTALLATION:



- *When welding spigots for the Vening Surge Hopper connector, it is important to ensure that the installation gap (IG) should be the connector length (CL) minus 5mm (13/64").*
- *As with all BFM® fitting installations, it is important to ensure that the spigots are installed parallel to each other.*

Ø1 \ Ø2	350	300	250	200	DIA
250	400				
300	400	400			
350	400	400	400		
400	400	400	400	400	
450	400	400	400	500	
500	400	400	400	500	
550	500	500	500	500	
600	500	500	500	650	
650	550	550	550	650	
700	650	650	650	750	
750	750	750	750	750	
800	800	800	800	800	
850	900	900	900	900	
900	1000	1000	1000	1000	
950	1100	1100	1050	1100	
1000	1150	1150	1150	1150	
	1150	1250	1250	1250	
	1250	1300	1350	1400	

OULET

INLET

Venting Surge Hopper Taper Table - Minimum Lengths