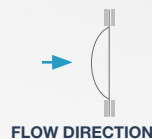


OPTI-GARD SOLO FERRULE

SANITARY REVERSE ACTING, LOW PRESSURE RUPTURE DISC

*Innovative solution for low pressure
aseptic and hygienic applications*



**FDA
USP Class VI
3A STANDARD
ASME BPE**

Meets bioprocessing
requirements

The unique and patented geometry of the Opti-Gard Ferrule SoLo provides the highest performance characteristics available where low burst pressures are required within a sanitary environment.

Designed for installation between industry-standard sanitary fittings, the disc features a smooth metal surface that meets ASME BPE requirements. The gasket complies with FDA, USP Class VI and 3A Standard requirements to ensure compatibility with CIP/SIP processes.

Opti-Gard Ferrule SoLo is the only rupture disc solution to combine NovAseptic fittings with the non-invasive burst detector, Flo-Tel. This ensures instantaneous notification of disc burst without direct contact to the process.

Size	1" - 4"
Burst Pressure	5 - 75 psig
Operating Ratio	95%
Performance Tolerance	+/- 3%
Manufacturing Range	0%

**Let us help you with all
your pressure relief questions.**

US office | Broken Arrow
+1 (918) 258 5626 | info@osecoelfab.com

UK office | North Shields
+44 (0)191 293 1234 | uksales@osecoelfab.com

osecoelfab.com



TECHNICAL SPECIFICATIONS



Size range	1"-4" (25-100mm)
Burst pressure range	5 psig to 75 psig (0.35 barg to 5.2 barg)
Suitable for CIP/SIP processes	Yes. Suitable for temperatures up to 392°F (200°C)
Standard materials	316 Stainless Steel as standard. Others available on request.
Max. Operating Ratio	95% of minimum burst pressure (92% of nominal burst pressure)
Performance Tolerance	+/-3%
Manufacturing Range	0%
Fragmentation	Non-fragmenting design
Vacuum Service	Available on request and depending on application. Please consult factory.
Fluid compatibility	Gas service, liquid service, vapour service, two-phase service
Torque requirements	Not torque sensitive
Surface Finish	Up to 0.4 Ra or better
Design Standards	Manufactured to ASME XIII or ISO 4126-2:2019 standards

Certifications

Meets FDA requirements
Meets ASME BPE requirements
Meets USP Class VI requirements
CE
PED
SIL

Related Products

Rupture Discs

Pure-Gard
Opti-Gard Ferrule
PRO-S

Sensors

Vent-Tel (Sanitary)

Accessories

Tri-Clamps
Spacers

Burst Pressure Ranges

Opti-Gard SoLo Ferrule Min/Max Burst Pressure @ 15-30°C (59-86°F)



SIZE		MATERIAL	MIN barg (psig)	MAX barg (psig)
DN (mm)	inches			
25	1	316 Stainless Steel	1.4 (20)	5.2 (75)
40	1.5	316 Stainless Steel	1 (14)	3.45 (50)
50	2	316 Stainless Steel	0.7 (10)	2.75 (40)
65	2.5	316 Stainless Steel	0.5 (7)	1.75 (25)
80	3	316 Stainless Steel	0.5 (7)	1.75 (25)
100	4	316 Stainless Steel	0.35 (5)	1.4 (20)

Free Flow Area / Minimum Net Flow Area (MNFA)

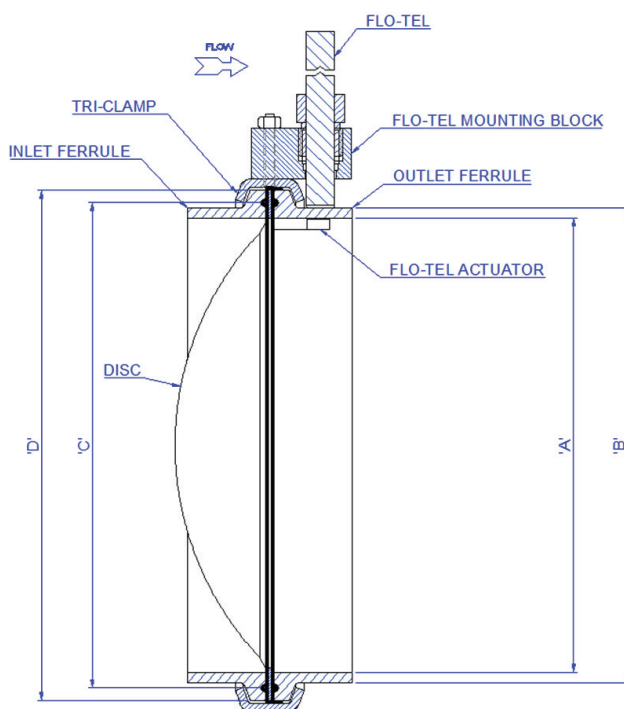
NOMINAL BORE		MNFA	
DN (mm)	inches	mm ²	Sq. Inch
25	1	340	0.53
40	1.5	882	1.37
50	2	1,677	2.59
65	2.5	2,725	4.22
80	3	5,716	8.85
100	4	7,255	11.24

Burst Tolerance*

+/- 1 psig ≤ 14 psig
 +/- 2 psig > 14 – ≤ 65 psig
 +/- 3% > 65 psig

+/- 0.07 barg ≤ 0.97 barg
 +/- 0.14 barg > 0.97 – ≤ 4.48
 +/- 3% barg > 4.48 barg

*Minimum tolerance on gas-and-liquid applications is +/- 0.14 barg (2 psig)



SIZE		Ferrule bore ID 'A' (mm)	Ferrule bore OD 'B' (mm)	Gasket pip 'C' (mm)	Ferrule face OD 'D' (mm)
DN (mm)	inches				
25	1	22.6	25.6	43.5	50.5
40	1.5	35.6	38.6	43.5	50.5
50	2	48.6	51.6	56.5	64
65	2.5	60.3	64.1	70.5	77.5
80	3	72.9	76.7	83.5	91
100	4	97.6	102.5	110	119