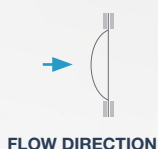


OPTI-GARD SOLO FERRULE

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	25 - 100mm
Burst Pressure	0.35 - 5.2 barg
Operating Ratio	95%
Performance Tolerance	+/- 3%
Manufacturing Range	0%

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

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TECHNICAL SPECIFICATIONS



Size range	25-100mm (1"-4")
Burst pressure range	0.35 barg to 5.2 barg (5 psig to 75 psig)
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

Vent-Tel (Sanitary)

Accessories

Tri-Clamps
Spacers

Sensors

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)

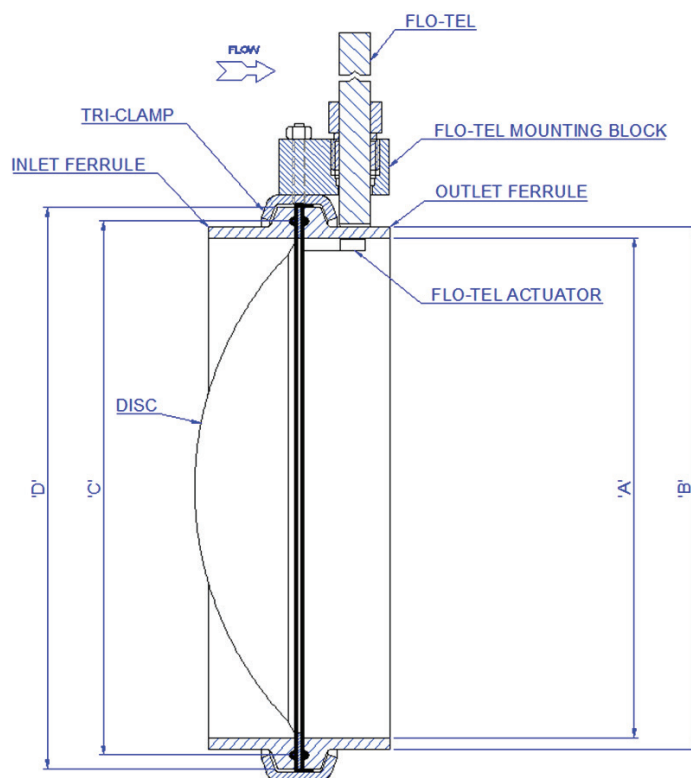
NOMINAL BORE		MNFA	
DN (mm)	inches	mm ²	Sq. Inch
25	1	340	0.53
40	1.5	882	1.37
50	2	1,677	2.59
65	2.5	2,725	4.22
80	3	5,716	8.85
100	4	7,255	11.24

Burst Tolerance*

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

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

*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