

THREADED

THREADED RUPTURE DISC HOLDER

Burst Pressure

50 - 15,000

A threaded inlet/outlet holder with a standard (STD) or composite (CO) disc for high pressure applications up to to 15,000 psig.



Oseco's Threaded Rupture Disc Holder is widely used on high pressure applications up to 15,000 psig.

The standard unit utilizes a 11/16" flat seat or 1/2" flat seat hold-down ring. The standard inlet connections are 1/4" MPT or 1/2" MPT, with 1/2" MPT or muffled outlet. Standard material of constructions is 316 Stainless Steel.

Other materials and connections are available to your exact specifications.

Size	11/16" and 1/2"
Burst Pressure	50 - 15,000 psig
Rupture discs	STD or CO
Inlet Connections	1/4" MPT or 1/2" MPT
Outlet Connections	1/2" MPT or muffled
Materials	316 Stainless Steel as standard

Let us help you with all
your pressure relief questions.

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Burst Pressure Ranges



11/16" Flat Seat STD and CO Discs @ 72° F (psig) / 22° C (barg)

MATERIAL	UNLINED STD DISCS			FLUOROPOLYMER- LINED STD AND CO DISCS		
	MIN psig (barg)	MAX psig (barg)	MAX TEMP	MIN psig (barg) (1 side FP)*	MAX psig (barg)	MAX TEMP
316 Stainless Steel	720 (49.6)	1,000 (68.9)	900° F (482° C)	115 (7.93)	1,000 (68.9)	500° F (260° C)
Nickel	240 (16.5)	1,000 (68.9)	750° F (399° C)	75 (5.17)	1,000 (68.9)	500° F (260° C)
Inconel	360 (24.8)	1,000 (68.9)	900° F (482° C)	115 (7.93)	1,000 (68.9)	500° F (260° C)
Monel	540 (37.2)	1,000 (68.9)	800° F (427° C)	95 (6.55)	1,000 (68.9)	500° F (260° C)
Aluminium	50 (3.4)	650 (44.8)	250° F (121° C)	95 (6.55)	650 (44.8)	250° F (121° C)

* FP indicates Virgin Fluoropolymer. PFA, FEP or PTFE may be product-specific and used at OsecoElfab's discretion. Dual side FP available but will increase MIN psig by 75 psig.

1/2" Flat Seat STD Discs @ 72° F (psig) / 22° C (barg)

MATERIAL	UNLINED DISCS			FLUOROPOLYMER-LINED STD DISCS		
	MIN psig (barg)	MAX psig (barg)	MAX TEMP	MIN psig (barg) (1 side FP)*	MAX psig (barg)	MAX TEMP
316 Stainless Steel	990 (68.3)	15,000 (1,034.2)	900° F (482° C)	1030 (71.02)	15,000 (1,034.2)	500° F (260° C)
Nickel	330 (22.8)	7,500 (517.1)	750° F (399° C)	370 (25.51)	7,500 (517.1)	500° F (260° C)
Inconel	490 (33.8)	15,000 (1,034.2)	900° F (482° C)	530 (36.54)	15,000 (1,034.2)	500° F (260° C)
Monel	740 (51.0)	7,500 (517.1)	800° F (427° C)	780 (53.78)	7,500 (517.1)	500° F (260° C)
Aluminium	70 (4.8)	1,000 (68.9)	250° F (121° C)	110 (7.58)	1,000 (68.9)	250° F (121° C)

* FP indicates Virgin Fluoropolymer. PFA, FEP or PTFE may be product-specific and used at OsecoElfab's discretion. Dual side FP available but will increase MIN psig by 40 psig.

Pressure and Temperature Ranges

316 Stainless Steel Holder**

SERVICE TEMPERATURE	MAXIMUM ALLOWABLE WORKING PRESSURE	
	1/4" NPT INLET THREAD* psig (barg)	1/2" NPT INLET THREAD* psig (barg)
100° F (38° C)	13,000 (896)	12,500 (862)
200° F (93° C)	13,000 (896)	12,500 (862)
400° F (204° C)	11,000 (758)	10,500 (724)
600° F (316° C)	9,500 (655)	9,250 (638)
900° F (482° C)	8,750 (603)	8,500 (586)

* For pressures over stated maximums consult factory for appropriate material selection

** Alternative inlet threads and materials (Hastelloy-C, Monel, Inconel, Carbon Steel) available. Special materials available upon request.