

THREADED

THREADED RUPTURE DISC HOLDER

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 is used. Standard material of constructions is 316 Stainless Steel.

Standard inlet connections are 1/4" MPT or 1/2" MPT with 1/2" MPT or muffled outlet. Other materials and connections are available to your exact specifications.



Oseco's Threaded Rupture Disc Holder is used in high pressure applications.

- For use on applications up to 15,000 psig
- Standard materials of construction: 316 Series Stainless Steel, Nickel, Aluminum, Inconel® 600, and Monel®

Sizes

11/16" - 1/2"

Common Applications

High Pressure Applications



Related Products

RUPTURE DISC
CO
STD

Oseco Threaded Rupture Disc Holder Technical Specifications

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

MATERIAL	UNLINED STD DISCS			FLUOROPOLYMER LINED CO AND STD DISCS		
	MIN psig (barg)	MAX psig (barg)	MAX Temp	MIN psig (1) Side FP* (barg)	MAX psig (barg)	MAX Temp
316	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)
Aluminum	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 Oseco'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 (1) Side FP* (barg)	MAX psig (barg)	MAX Temp
316	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)
Aluminum	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 Oseco's discretion. Dual side FP available but will increase MIN psig by 40 psig.

316 Stainless Steel Holder** Pressure & Temperature Ratings

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.

Let us help you with all your pressure relief questions. Call us at (800) 395-3475 or email us at info@oseco.com. www.oseco.com

