

# 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.

<b>Size</b>	11/16" and 1/2"
<b>Burst Pressure</b>	50 - 15,000 psig
<b>Rupture discs</b>	STD or CO
<b>Inlet Connections</b>	1/4" MPT or 1/2" MPT
<b>Outlet Connections</b>	1/2" MPT or muffled
<b>Materials</b>	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 OsecoElf'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	90 (6.2)	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 OsecoElf'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.