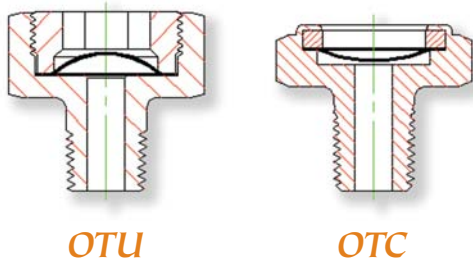


OTU/OTC RUPTURE DISK

Oseco's OTU (One Time Unit) and OTC (One Time Crimped) assemblies are inexpensive, bubble-tight pressure relief devices. If an overpressure occurs, the entire assembly is replaced. Each Oseco OTU and OTC assembly is leak-tested and bubble-tight before it leaves the factory. These devices provide an ideal pressure relief device for air conditioning systems, gas cylinders, hydraulic accumulators, portable compressed air systems, and high-pressure water power cleaning systems.

Oseco's OTU and OTC assemblies provide inexpensive pressure relief protection.



- Body material: Brass
- Disk materials: Nickel, 316 Stainless Steel (Monel & Inconel available for STD/STDV & CO/COV only)
- Manufacturing range: All Oseco rupture disks are produced to meet a standard manufacturing range. The manufacturing range is a range of pressures within which the average burst pressure of test disks must fall to be acceptable for a particular burst pressure. Please consult Oseco for your particular application. **See Table 1.**
- Dimensions: The overall height and hex across flats for OTU and OTC assemblies. **See Table 2.**
- Minimum and maximum burst pressures are listed for all standard sizes and standard materials. **See Table 3.**

Oseco's One Time Unit (OTU)

The OTU is a sealed unit consisting of a brass body and an STD/STDV series, CO/COV series or PRO+ series rupture disk. For good service life, the normal operating pressure should not exceed 70 percent of the rated burst pressure of the STD/STDV rupture disk, 80 percent for the CO/COV rupture disk or 95 percent for the PRO+ rupture disk.

Oseco's One Time Crimped (OTC)

The OTC is a sealed unit consisting of a brass body and is for use only with Oseco's PRO+ series rupture disk. For good service life, the normal operating pressure should not exceed 95 percent of the rated burst pressure of the rupture disk.



TABLE 1
**Manufacturing Ranges for Rupture Disks
Used in the OTU & OTC**

Specified Rupture Pressure @ 72° F	Manufacturing Range %
STD/STDV or CO/COV	
77 - 90	+12 to -6
91 - 270	+10 to -5
271 - 500	+8 to -4
501 - 1,000	+6 to -3
PRO+	
78 - 800	+0 to -10

Ordering Information

When placing your order for Oseco's OTU or OTC devices, please specify:

- Quantity
- Assembly Number
- Disk Type
- Disk Material (where applicable)
- Burst Pressure
- Temperature

TABLE 2
Dimensions for OTU & OTC Assemblies

Assembly Number	Connections		Overall Height (in.)	Hex Across Flats (in.)
	Inlet	Outlet		
OTU - 1	1/4-MPT	Free	1-3/16	1-1/8
OTC - 1	1/4-MPT	Free	1-1/16	1-1/8
OTU - 2	1/2-MPT	Free	1-3/8	1-1/8
OTC - 2	1/2-MPT	Free	1-5/16	1-1/8
OTU - 3	3/8-MPT	3/8-SAE	2	1-1/8
OTU - 4	3/8-MPT	1/2-SAE	2-1/8	1-1/8
OTU - 5	3/8-MPT	1/2-MPT	2-1/8	1-1/8
OTU - 6	1/2-MPT	1/2-MPT	2-1/4	1-1/8
OTU - 7	1/4-MPT	Muffled	1-5/8	1-1/8
OTC - 7	1/4-MPT	Muffled	1-9/16	1-1/8
OTU - 8	1/2-MPT	Muffled	1-7/8	1-1/8
OTC - 8	1/2-MPT	Muffled	1-13/16	1-1/8

TABLE 3
Minimum/Maximum Burst Pressure for OTU & OTC @ 72° F

Disk Type	Body Material	Disk Material	Burst Pressure		Maximum Temp (° F)
			Minimum	Maximum	
STD or STDV	Brass	Nickel-200/201	200	1000	750
	Brass	Monel®-400	250	1000	800
	Brass	Inconel®-600	325	1000	900
	Brass	316 SS	455	1000	900
CO or COV	Brass	Nickel/fluoropolymer	77	700	500
	Brass	Monel/fluoropolymer	115	700	500
	Brass	Inconel/fluoropolymer	115	700	500
	Brass	316 SS/fluoropolymer	115	700	500
PRO+	Brass	Nickel	78	800	750
	Brass	316 SS	156	800	750