

RUPTURE DISC HOLDER ASSEMBLIES



SCREW TYPE HOLDER ASSEMBLY

The LaMOT Screw Type Assembly is a reusable unit for use in systems with pressures up to 15,000 psig [1,034 barg]. A Standard or Composite rupture disc (see [Table 6](#)) is supplied separately from the Screw Type Holder. After an overpressure condition occurs, changeout is accomplished by disassembling the Screw Type Holder and replacing only the burst rupture disc.

The Screw Type Assembly is a flat seat design and can be configured with a 1/2" Standard, 11/16" Standard or 11/16" Composite Flat Seat (FS) rupture disc. This assembly is used primarily for laboratory applications and in other small pressure vessels or systems.

The Screw Type Holder consists of three components:

- inlet
- holddown ring
- outlet

The inlet is available in 1/4", 3/8" and 1/2" male pipe threads (MPT). The outlet is available in 1/2" MPT, muffled or free configurations.

The Screw Type Holder is available with the inlet, outlet, and holddown ring made from brass or 316 SS. Specify the required material when ordering. Other materials will be quoted on request.

The 11/16" rupture disc with its matching holddown ring uses the same inlet and outlet holder as the 1/2" rupture disc with matching holddown ring. Refer to [Table 14](#) for Screw Type Holder specifications and dimensions.

Screw Type Holder Specifications

Maximum Pressure:	15,000 psig [1,034 barg]
Maximum Temperature:	1,000°F [538°C]
Materials:	All 316 SS Components

NOTE: A brass unit is available with a maximum pressure of 1,000 psig [68.9 barg] and a maximum temperature of 400°F [204°C].



THROWAWAY ASSEMBLY

The Throwaway Assembly is a sealed, disposable unit for use in systems where pressures do not exceed 3,000 psig [207 barg]. The assembly features a rupture disc sealed between brass fittings. After relieving an overpressure condition, change out is easily performed by replacing the entire assembly. The Throwaway Assembly can be supplied with a Standard or Composite rupture disc (see [Table 6](#)) to accommodate various application requirements.

Throwaway units are used on gas bottles, air conditioning systems, refrigeration units, hydraulic accumulators, gas cylinders, portable compressed air systems and laboratory equipment.

Two units are available:

- A 1,000 psig [68.9 barg] design is compatible with either a Standard or Composite rupture disc, up to a maximum 1,000 psig burst pressure
- For higher pressures, a 3,000 psig [207 barg] unit is available. It is compatible with a Standard Rupture Disc

The Throwaway unit, with a 1/2", 3/4" or 1" Standard or 11/16" Composite Flat Seat (FS) rupture disc, consists of three brass components:

- inlet
- holddown ring
- outlet

The inlet is available in 1/4", 3/8", 1/2", 3/4" or 1" male pipe threads (MPT). The outlet component is available in various configurations to match the requirement of your application (see [Tables 15 & 16](#)).

After the rupture disc is installed in the Throwaway Holder, the inlet and outlet components are permanently affixed to provide a sealed assembly. Each assembly is then inspected by a Beta Backscanner device to verify compliance to the proper rupture disc material thickness. When an overpressure condition occurs, the entire assembly can be quickly removed and replaced with a new assembly.

The maximum temperature limits of the Throwaway Holder are dependent upon the limitations of either the rupture disc or the holder. In the case of the maximum allowable temperature, use the lesser limit of the two.

Throwaway Holder Specifications

Maximum Pressure:	3,000 psig [207 barg]
Maximum Temperature:	400°F [204°C]
Materials:	All Brass Components

NOTE: At the factory's discretion, a fluoropolymer gasket may be added to the assembly.

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