

# BP 420 Burst Plugs

Reliable, Secure Pressure-Relief System



## Description

The Dynisco Model BP420 burst plugs are designed specfically or use in plastic extrusion systems. Burst Plugs (also known as rupture disks) are designed for reliable, emergency relief of excess pressure in a system. The Model BP420 will instantaneously rupture at a specifi , predetermined pressure and temperature. Each one piece assembly consists of a 304 stainless steel body with a welded Inconel rupture disk. The disk is flush with the tip of the burst plug with no cavity for product build up. A burst plug may be specified or primary relief in applications where pressure build-up can occur so rapidly that the response time of a relief valve is inadequate, such as in polymerization reaction vessel.

All burst plugs are tested at rated burst pressure and temperature. In addition, markings on the burst plugs are laser engraved, more visible, and each is labeled and shipped with protective packaging.

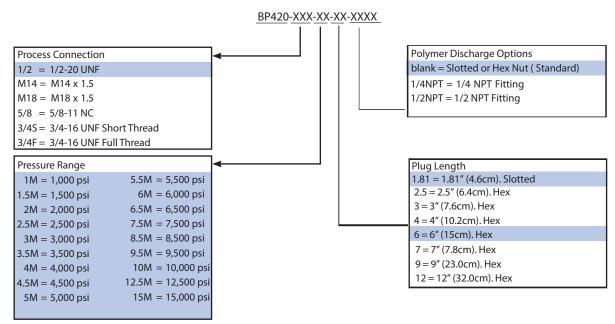
#### **Features**

- Welded one piece assembly no degradation of joint strength at elevated temperatures
- Iconel rupture disk stable through a wide range of temperatures
- Burst pressure ranges from 1,000 to 15,000 psig
- Accuracy of ±10% of rated burst pressure at 300°C (750°F)
- Leak rate exceeds 1x10-6 standard cc/sec

Assembly Specific tions	
Material of Construction:	
Body:	304 stainless steel
Disk Material:	Inconel
Disk Size:	3/16" (4.8 mm) disk
Process Connection:	1/2-20 UNF-A threaded
Accuracy:	±10% @ 300°C (750°F)
Approvals and Certific tions	
ISO:	ISO 4126-6:2003(E)
CE:	
PED 97/23/EC, modules B&D	
Burst Certific tion:	Each unit is test burst certifie
Mounting Torque:	Not to exceed 300 in/lbs.

<sup>\*</sup>Burst testing shall be carried out at ambient temperature and then chart compensated using a certified emperature correction factor.

# **Ordering Guide**



Shaded sections refer to standard (short lead time) configu ations. Consult the factory for other configu ations that may be available.







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### **Dimensions**

