

Dynisco Burst Plugs

Reliable, Secure Pressure-Relief System



Description

The Dynisco Model BP420 burst plugs are designed specifically for 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 specific, 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 for 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.

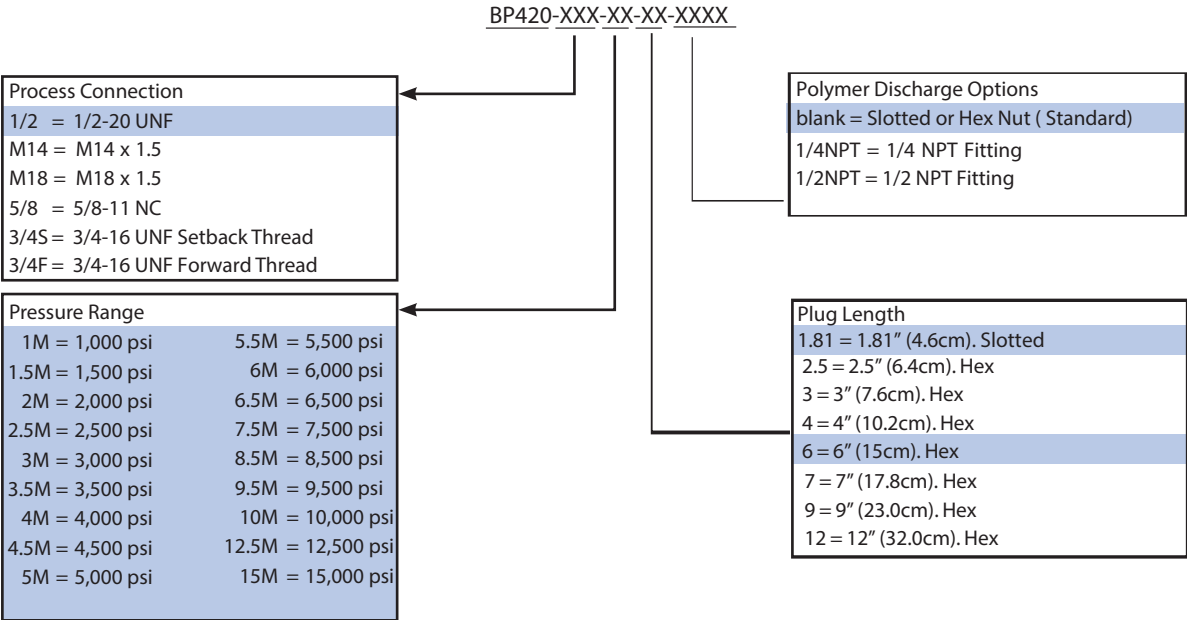
Features

- Welded one piece assembly – no degradation of joint strength at elevated temperatures
- Inconel rupture disk – stable through a wide range of temperatures
- Burst pressure ranges from 1,000 to 15,000 psig
- Accuracy of $\pm 10\%$ of rated burst pressure at 300-399° C (572-750°F)
- Leak rate exceeds 1×10^{-6} standard cc/sec

Assembly Specifications	
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% @ 300-399°C (572-750°F)
Approvals and Certifications	
ISO:	ISO 4126-6:2003(E)
CE:	
PED 97/23/EC, modules B&D	
Burst Certification:	Each unit is test burst certified
Mounting Torque:	Not to exceed 300 in/lbs.

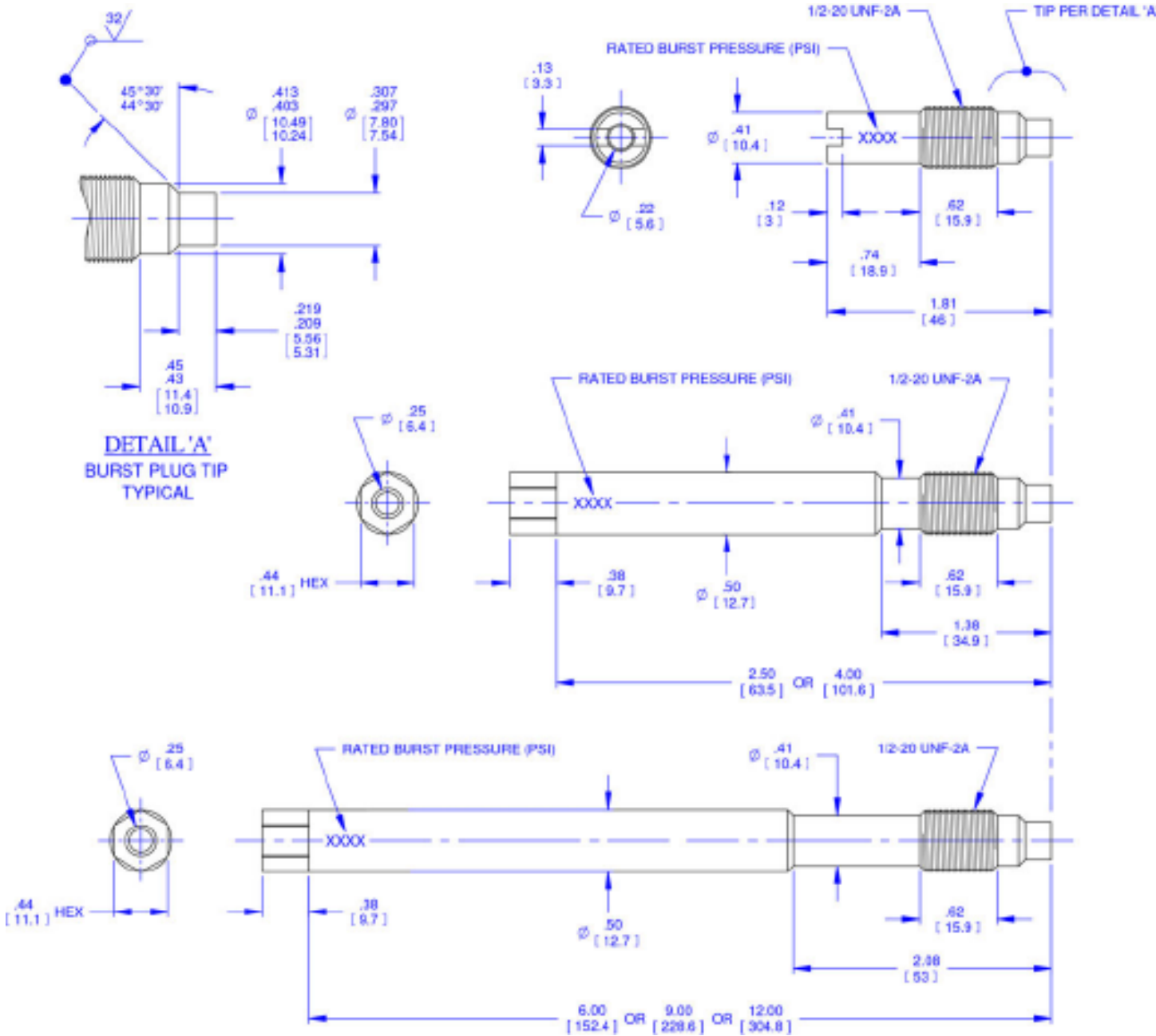
*Burst testing shall be carried out at ambient temperature and then chart compensated using a certified temperature correction factor.

Ordering Guide



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

Dimensions



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Refer to www.dynisco.com for access to Operator Manual and other support documentation.
DSBURSTPLUG420 Rev A



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