

CONVENTIONAL PRE-BULGED RUPTURE DISC (CPD)

DESCRIPTION

The Fike Conventional Pre-bulged Disc (CPD) is a solid metal/single element, pre-bulged (pre-formed), rupture disc which serves as a differential pressure relief device. The CPD can be used as a primary or secondary pressure relief device, or used in combination with other pressure relief devices. Designed for installation in flanges which utilize the standard 30° angular seating arrangement. The CPD disc is forward-acting or tension loaded.



CPD discs shown with Union Type holder

FIKE SERVICES

Fike's oilfield expertise creates the right pressure relief or pressure actuation solution for your specific application:

- Engineers and application specialists can assist in product application or custom products, from high back pressure conditions to special envelopes
- Rapid Response - lower costs and lead times with Fike's stock program
- Qualification testing of components under simulated application conditions

TYPICAL OILFIELD APPLICATIONS

- Separators
- Filtration Systems
- Storage Tanks
- Well Head Protection
- Dehydration Units
- High Pressure Test Units
- Water Knockouts
- Production Testing Units
- Heater Treaters
- Gas Production Units

SPECIFICATIONS

Materials of Construction:	Inconel, Aluminum, Nickel
Maximum Operating Ratio:	70%
Standard Burst Pressure Range:	75 psig - 30,000 psig
Burst Tolerance:	±5%
Sizes:	1/4", 1", 1-1/2", 2"
Maximum Temperature:	Inconel 600 - 1100°F (593°C) Nickel - 800°F (427°C) Aluminum - 250°F (121°C)
Holder:	Union Type and Hammer Union available in carbon steel (See data sheet R.1.09.01 for more details)

Note: other sizes, pressures, tolerances, and materials available upon request

FEATURES

Stock program
Certified Burst Pressure
Simple operation with no moving parts

BENEFITS

Rapid response delivery of popular sizes, burst pressures, and materials
Sub-millisecond response time for critical pressure relief
Reliable even under severe operating conditions

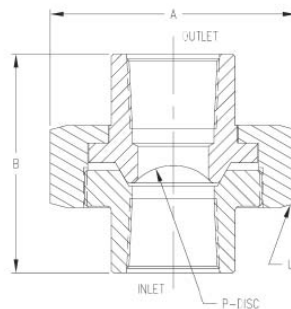
CPD Part Number	Size (in.)	Pressure Rating psig @ 72°F (22°C)	Rupture Tolerance	Material
*1-025-500-3	1/4	500	±5%	AL
*1-025-1500-1	1/4	1500	±5%	INC
*1-025-3000-1	1/4	3000	±5%	INC
*1-025-5000-1	1/4	5000	±5%	INC
*1-025-12500-1	1/4	12500	±5%	INC
*1-025-17500-1	1/4	17500	±5%	INC
*1-025-22500-1	1/4	22500	±5%	INC
*1-025-25000-1	1/4	25000	±5%	INC
*1-025-27500-1	1/4	27500	±5%	INC
*1-025-30000-1	1/4	30000	±5%	INC
*1-100-83-3	1	83	±5%	AL
*1-100-138-4	1	138	±5%	NI
*1-100-166-4	1	166	±5%	NI
*1-100-188-4	1	188	±5%	NI
*1-100-222-1	1	222	±5%	INC
*1-100-277-1	1	277	±5%	INC
*1-100-333-1	1	333	±5%	INC
*1-100-375-1	1	375	±5%	INC
*1-100-416-1	1	416	±5%	INC
*1-100-500-1	1	500	±5%	INC
*1-100-555-1	1	555	±5%	INC
*1-100-666-1	1	666	±5%	INC
*1-100-833-1	1	833	±5%	INC
*1-100-1000-1	1	1000	±5%	INC
*1-100-1111-1	1	1111	±5%	INC
*1-100-1200-1	1	1200	±5%	INC
*1-100-1440-1	1	1440	±5%	INC
*1-100-1600-1	1	1600	±5%	INC
*1-150-75-3	1-1/2	75	±5%	AL
*1-150-83-3	1-1/2	83	±5%	AL
*1-150-125-4	1-1/2	125	±5%	NI
*1-150-138-4	1-1/2	138	±5%	NI
*1-150-150-1	1-1/2	150	±5%	INC
*1-150-166-1	1-1/2	166	±5%	INC
*1-150-188-1	1-1/2	188	±5%	INC
*1-150-200-1	1-1/2	200	±5%	INC
*1-150-222-1	1-1/2	222	±5%	INC
*1-150-250-1	1-1/2	250	±5%	INC
*1-150-277-1	1-1/2	277	±5%	INC
*1-150-333-1	1-1/2	333	±5%	INC
*1-150-416-1	1-1/2	416	±5%	INC
*1-150-500-1	1-1/2	500	±5%	INC
*1-150-666-1	1-1/2	666	±5%	INC
*1-150-1000-1	1-1/2	1000	±5%	INC
*1-150-1440-1	1-1/2	1440	±5%	INC
*1-150-1111-1	1-1/2	1111	±5%	INC
*1-150-1500-1	1-1/2	1500	±5%	INC
*1-150-1600-1	1-1/2	1600	±5%	INC

* Indicates stock item

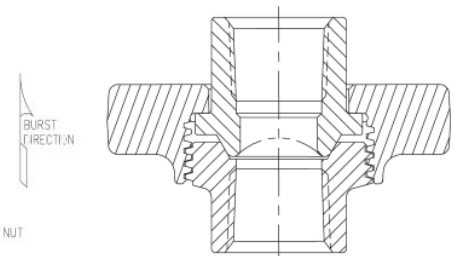
CPD Part Number	Size (in.)	Pressure Rating psig @ 72°F (22°C)	Rupture Tolerance	Material
*1-200-75-4	2	75	±5%	NI
*1-200-125-1	2	125	±5%	INC
*1-200-150-1	2	150	±5%	INC
*1-200-200-1	2	200	±5%	INC
*1-200-250-1	2	250	±5%	INC
*1-200-300-1	2	300	±5%	INC
*1-200-375-1	2	375	±5%	INC
*1-200-416-1	2	416	±5%	INC
*1-200-500-1	2	500	±5%	INC
*1-200-555-1	2	555	±5%	INC
*1-200-666-1	2	666	±5%	INC
1-200-833-1	2	833	±5%	INC
1-200-1000-1	2	1000	±5%	INC
1-200-1111-1	2	1111	±5%	INC
1-200-1440-1	2	1440	±5%	INC
1-200-1600-1	2	1600	±5%	INC
1-300-75-4	3	75	±5%	NI
Union Holder Part Number	Size (in.)	Pressure Rating	Configuration	Material
*1 30BU-CS	1	3000	Threaded Base, Threaded hold-down (BU)	CS
*1 50 30BU-CS	1-1/2	3000		CS
2 7 BU-CS	2	750		CS
Hammer Union Holder Part Number	Size (in.)	Pressure Rating	Configuration	Material
*1 60HU	1	6000	Threaded Base, Threaded hold-down	CS
*1.50 60HU	1-1/2	6000		CS
*2 20HU	2	2000		CS

* Indicates stock item

Type	Pipe Size	Max. Rating PSI at 100°F	Width Across Flats (A)	Approximate Height (B)
Union	1	3000	2-9/16"	2-1/2"
	1-1/2	3000	3-7/16"	3"
	2	750	5"	3-7/16"
Hammer Union	1	6000	-	3-3/32"
	1-1/2	6000	-	3-9/32"
	2	2000	-	3-15/16"



Union holder



Hammer Union holder



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