

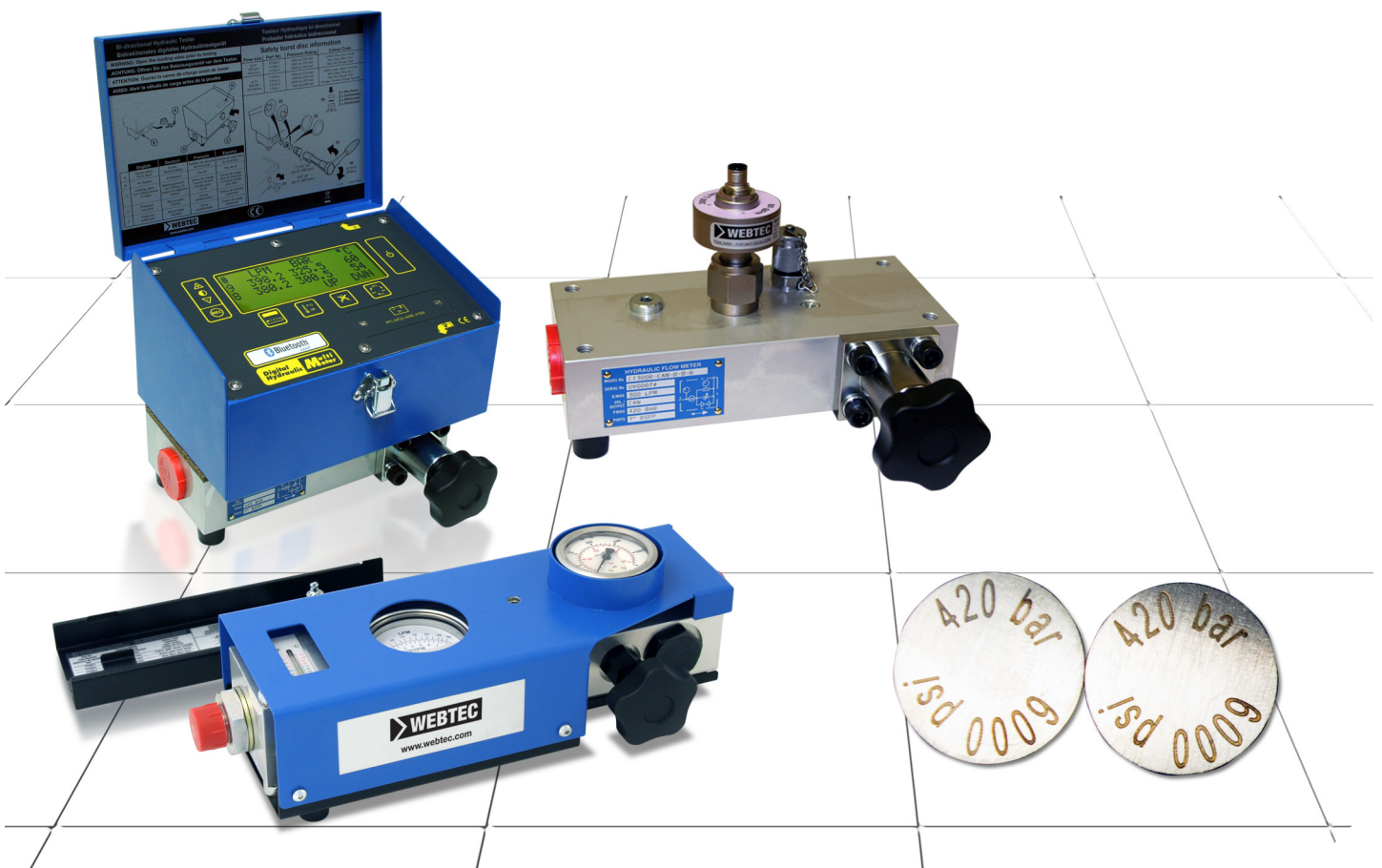
Safety Burst Discs

Safety burst discs are an integral part of Webtec loading valves. The discs form part of the Webtec® Interpass® assembly which retains the fluid within the equipment envelope. They are precision manufactured, verified devices that are designed to rupture within their tolerance. They protect the equipment from accidental over-pressurisation.

Make it **BLUE**[®]

Features

- Designed to rupture within the specified pressure range.
- Protects the load valve from accidental over-pressurisation.
- Fast and easy to replace.
- Part of the Webtec Interpass® assembly.



Safety burst disc rupture tolerances

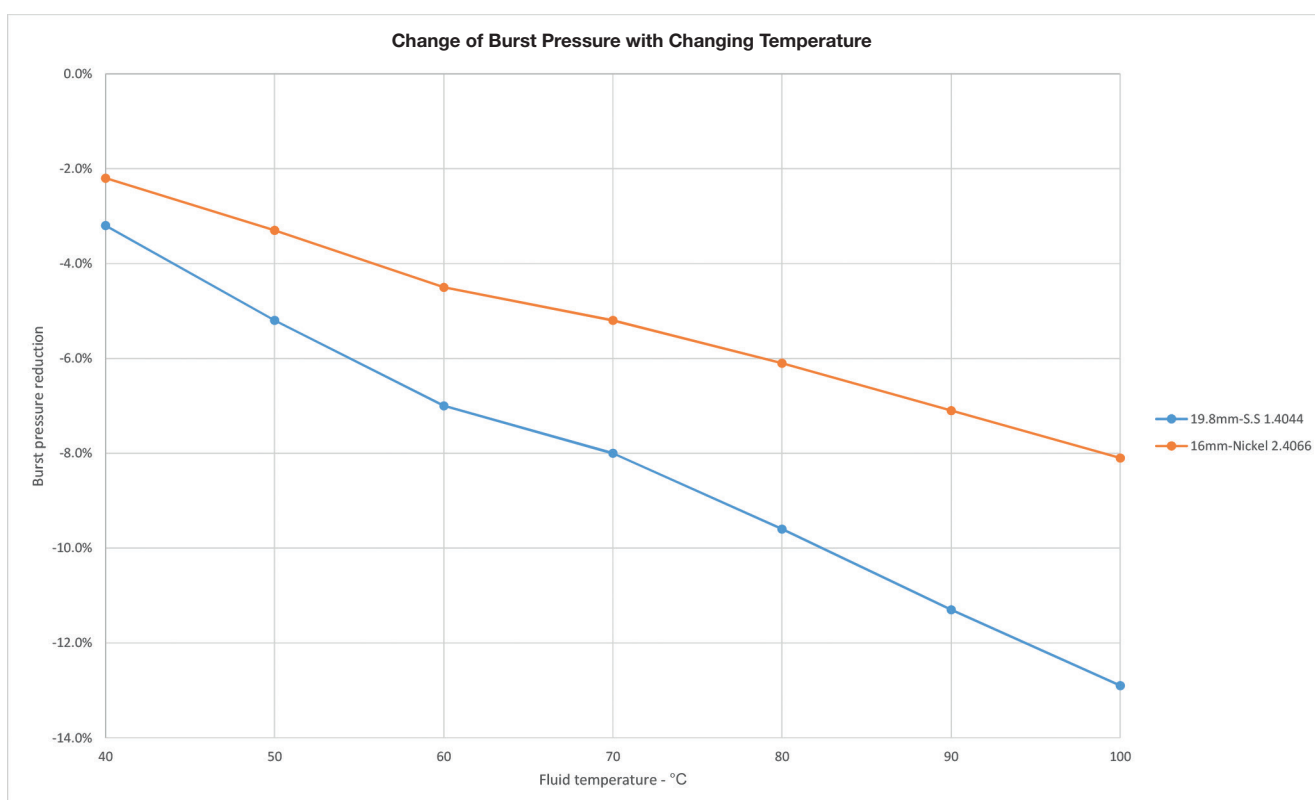
ETCHED IDENTIFICATION		PSI TOLERANCE	BAR TOLERANCE
3000 psi	210 bar	-0% / +10%	-1.5% / +8.5%
6000 psi	420 bar	-0% / +10%	-1.5% / +8.5%
7000 psi	480 bar	-0% / +10%	+0.5% / +10.5%

NB. Burst disc ratings at 22°C

The fluid operating temperature affects when the safety burst discs' rupture, a high temperature reduces the expected failure pressure. The % changes from nominal burst pressure are summarised below:

FLUID TEMPERATURE	40°C	50°C	60°C	70°C	80°C	90°C	100°C
	104°F	122°F	140°F	158°F	176°F	194°F	212°F
Disc Ø19.8mm-S.S 1.4044	-3.2%	-5.2%	-7.0%	-8.0%	-9.6%	-11.3%	-12.9%
Disc Ø16mm-Nickel 2.4066	-2.2%	-3.3%	-4.5%	-5.2%	-6.1%	-7.1%	-8.1%

NB. This data is estimated from physical tests and should be considered as a guide.



Safety burst disc

FLOW SIZE/MODEL	PART NO. (PK OF 10)	NOMINAL RATING
up to 400L/min, 100 US gpm (Ø 16mm) Plus HV1500 (Ø 16mm)	FT10791-3	3000 psi, 210 bar
	FT10791-6	6000 psi, 420 bar
>400 L/min, 100 US gpm up to 800 L/min, 210 US gpm (Ø 19.8)	FT10792-3	3000 psi, 210 bar
	FT10792-7	7000 psi, 480 bar

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