

BURST DETECTION: BURST SENSOR GUIDE

A complete portfolio of magnetic and electrica burst detection solutions for rupture discs and explosion vents



Flo-Tel: Magnetic Burst Sensor

Electrical Burst Sensors

1

EASY TO INSTALL

- Robust
- Will not break on install

2

NON-INVASIVE

- Not affected by corrosion or pressure fluctuations
- No false alarms
- No need for re-wiring

3

RE-USABLE

- Stays in place after the disc has burst
- No need for re-wiring
- Single purchase: Consistent cost regardless of bore size

FLO-TEL XD

- All the benefits of Flo-Tel 2
- ATEX/IECEx certified for use in hazardous explosive zones
- Dual-certified: Exd/Exia/b



INDUSTRY APPLICATIONS

Use our Flo-Tel 2 magnetic burst sensor technology with flanged connections, Tri-Clamp, NovAseptic and sanitary connections, on explosion vents and with our rupture disc plugs and assemblies.

EXPLOSION PANELS



SANITARY CONNECTIONS



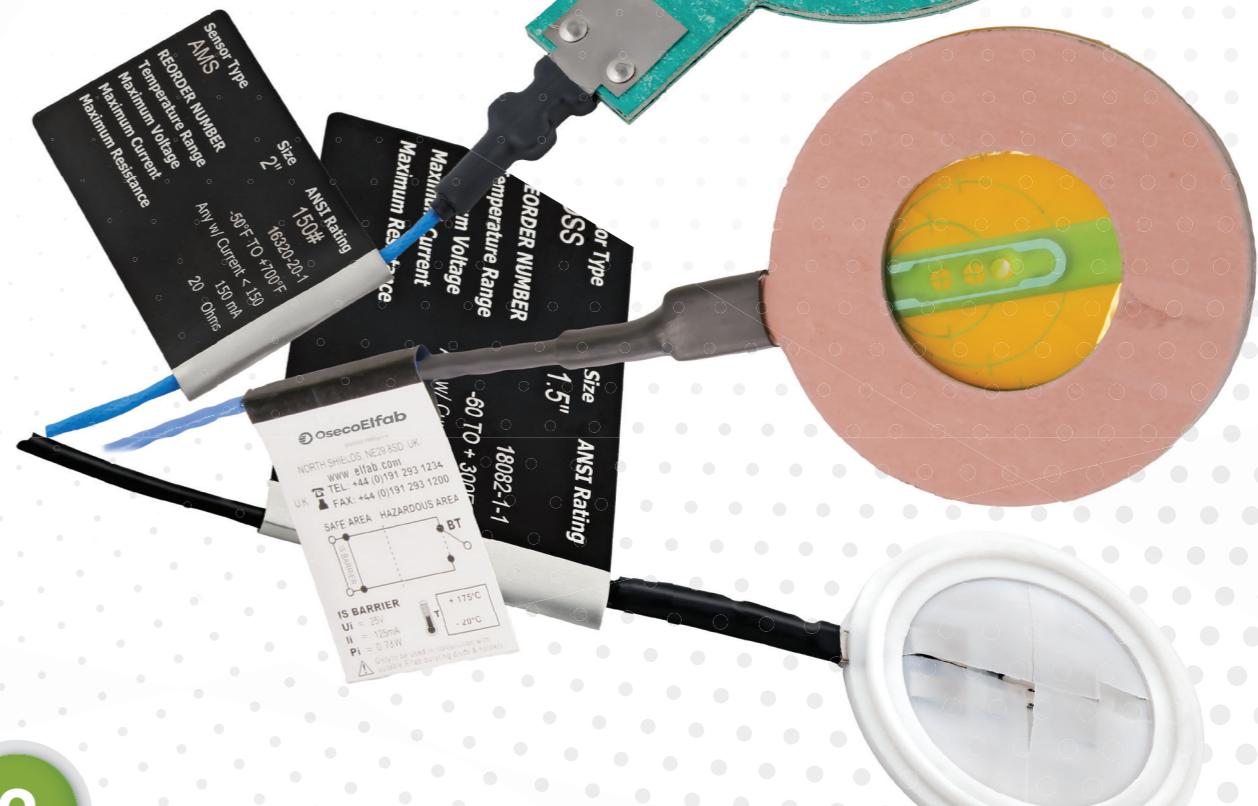
RUPTURE DISC PLUGS



2

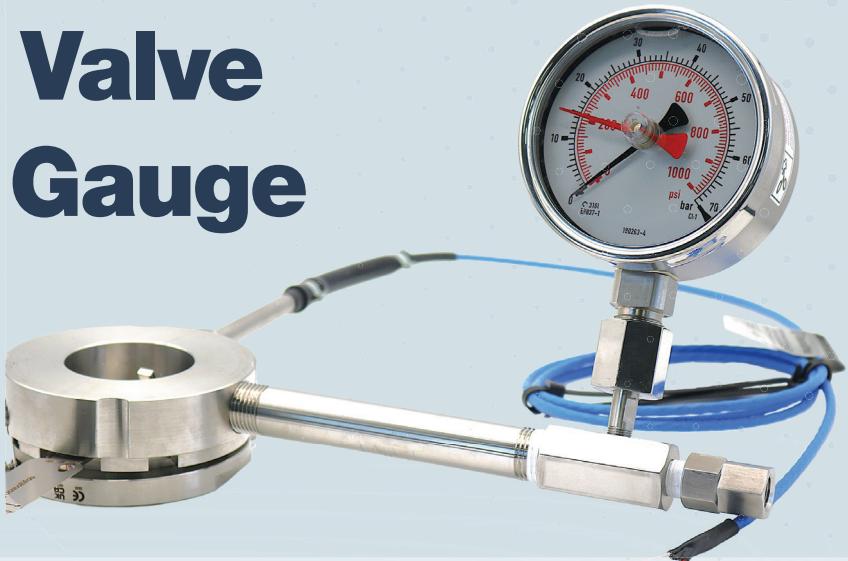
VERSATILE

- Flanged connections
- Sanitary connections



Excess Flow Valve and Tel-Tale Gauge

- Detects pressure build-up and fluctuations in-situ
- Low-cost solution



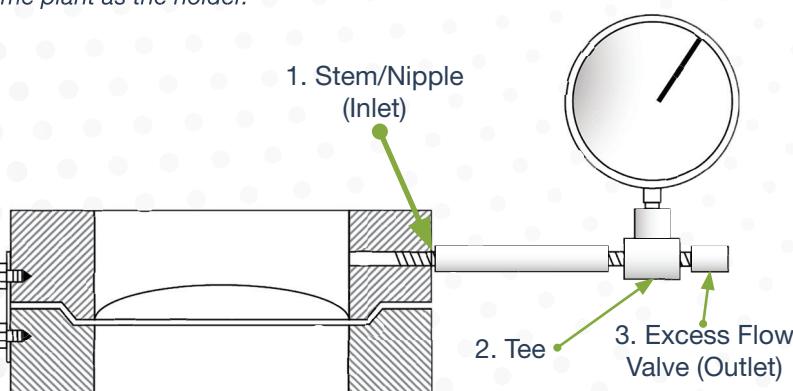
The ASME code and regulations require that the space between a rupture disc device and safety relief valve be provided with a pressure gauge or a suitable 'tell-tale' indicator.

Our Tel-Tale pressure gauge is a 'tell-tale' indicator. It attaches to an Excess Flow Valve and features a 'tel-tale' pointer that remains at the level of the highest pressure reached, even if the pressure subsequently decreases. This allows you to record pressure rises without constant monitoring.

The Excess Flow Valve and Tel-Tale Gauge is an ideal solution for applications in which safety critical measures are necessary to avoid unnoticed pressure increases.

STANDARD OFFERING*		
ITEM	FROM OUR UK PLANT	FROM OUR US PLANT
1. Stem/Nipple (Inlet)	1/2" NPT* in 316 SS <small>* 1/4" NPT adapter available</small>	1/4" MPT in SST 1/4" MPT in Grade B, Sch. 8
2. Tee	1/2" NPT* in 316 SS	1/4" MPT in Carbon Steel 1/4" NPT in SST 3000
3. Excess Flow Valve (Outlet)	1/2" NPT* in 316 SS	1/4" NPT X 1/8" NPT in 303 SS

* The excess flow valve and tel-tale gauge will generally be ordered from the same plant as the holder.



Use Excess Flow Valves:

- Between two inline pressure relief devices
- To monitor back pressure in a header system
- In Double Disc Assemblies
- Between rupture discs and valves in series

Replace regular pressure gauges with Tel-Tale devices to:

- Support maintenance schedules
- Provide more accurate information on process conditions
- Enhance process safety
- Help reduce costly downtime

Let us help you with all your pressure relief questions.

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