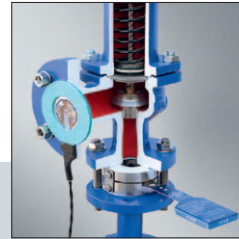


Bursting Disk or Safety Valve



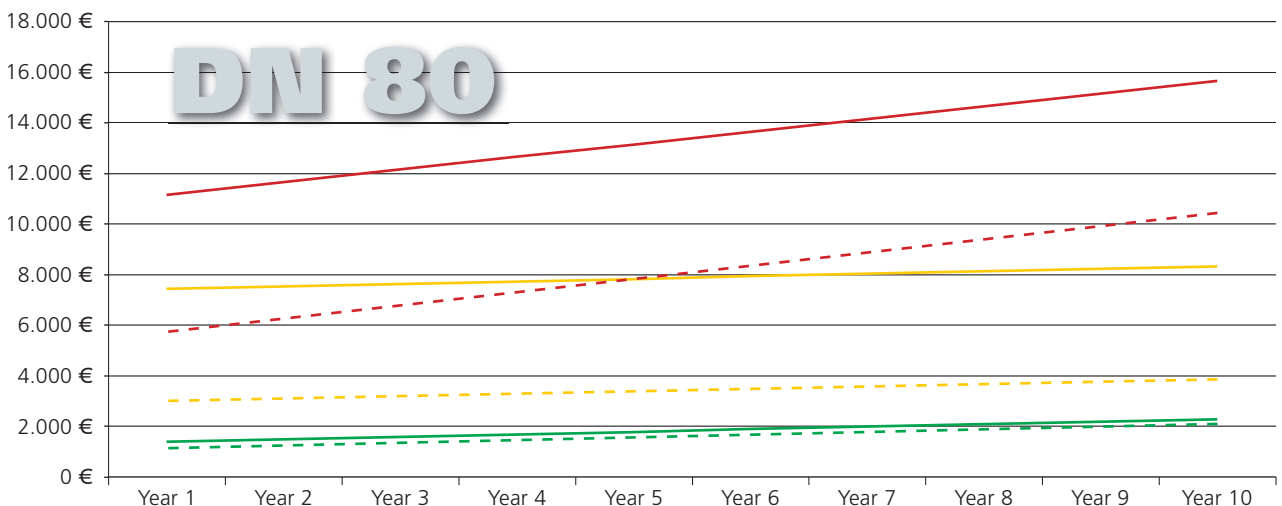
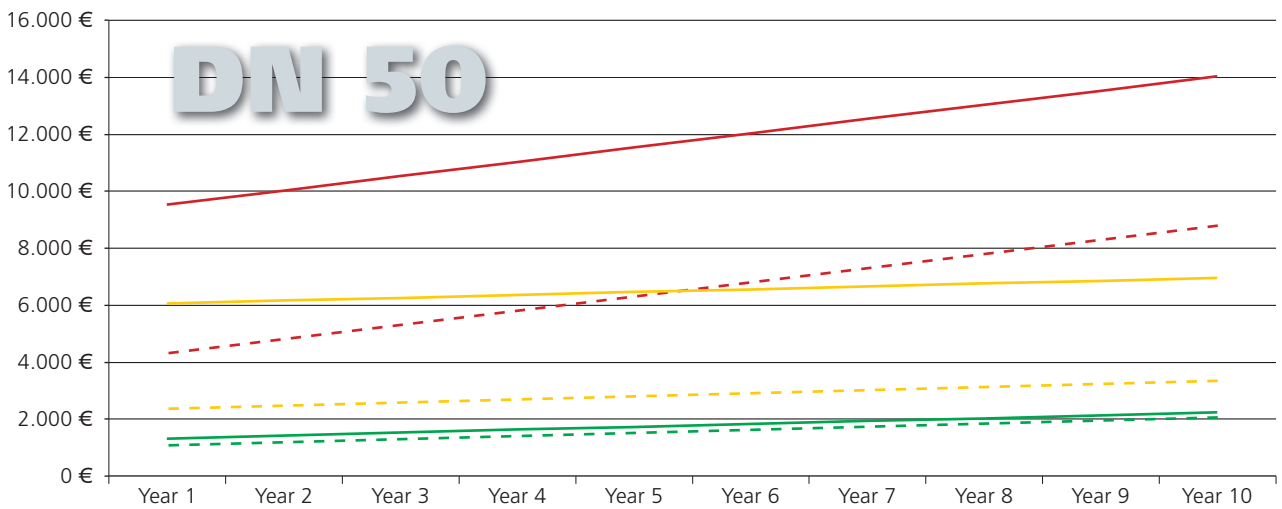
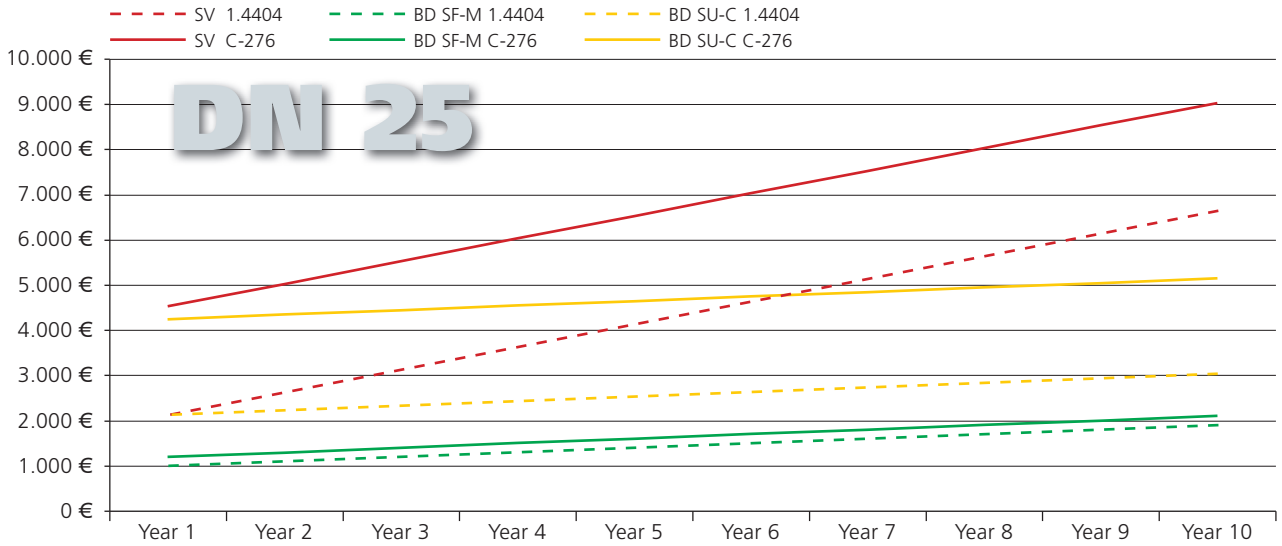
- Economic Efficiency
- Possible Applications
- Advantages



Considerations to economic efficiency

Comparison of costs - example 1: the safe application

- Operating condition
- working pressure much lower than burst pressure, low working ratio
 - Bursting Disk replacement required after 5 years

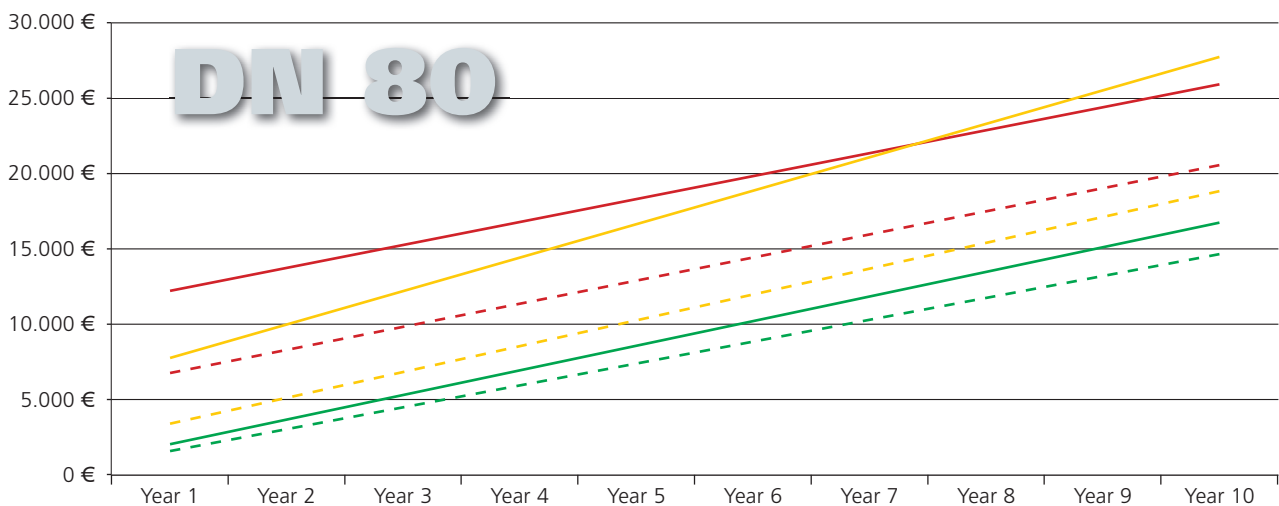
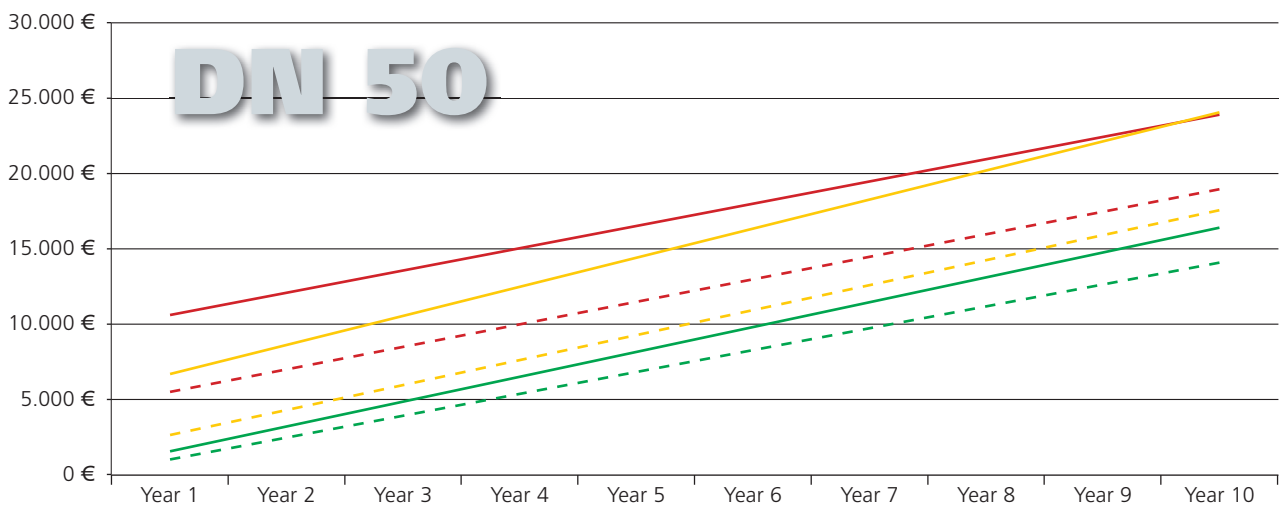
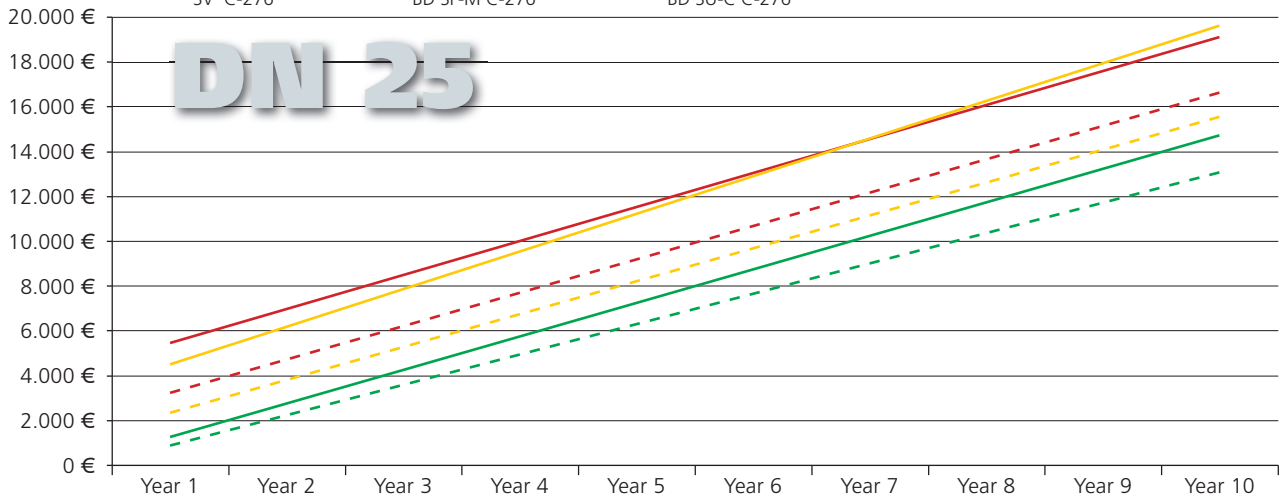


Purchasing: 2 Safety Valves (since one required as spare/replacement valve during inspection), 3 flat Bursting Disks (1 installed)
Maintenance costs: Bursting Disks: 100.00 EUR per replacement/inspection, Safety Valves: 500.00 Euro per replacement/inspection
References: Bursting Disks: STRIKO pricelist (+/- 10% burst tolerance, 3 pieces), Safety Valve pricing: CT Chemie Technik AG

Comparison of costs - example 2: the critical application

Operating condition • working pressure very close to max. operating pressure, high working ratio
 • Bursting Disk replacement required 3 times a year

--- SV 1.4404 - - - BD SF-M 1.4404 - - - BD SU-C 1.4404
 --- SV C-276 - - - BD SF-M C-276 - - - BD SU-C C-276



ed, 2 spares stocked), **3 reverse acting Bursting Disks** (1 installed, 2 spares stocked), + **2 pre-torqued Holders**

in Basel, Switzerland (Type 32.2 & 31.2, spring-loaded, PN16, closed cover, soft sealing EPDM)

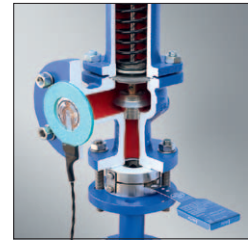
possible Applications & Advantages



Bursting Disk
as single
protection



Safety Valve
as single
protection



**Bursting Disk +
Safety Valve
as combined
protection**

Advantages of the combined protection:

- Bursting Disk and Holder made of high-quality material (chemical resistance) allows for use of the less expensive stainless steel Safety Valve
- use reverse acting Bursting Disks for mediums which tend to foul (bursting pressure is not impacted by product fouling)
- Safety Valve can be inspected installed in place, during operation
- significantly higher tightness with Bursting Disk compared to safety valve without upstream Bursting Disk

Conclusion:

Using a Bursting Disk or a combination of Bursting Disk and Safety Valve has the advantages of

- **reducing costs**
- **minimal installation time**
- **shorter/less idle time**
- **complete pressure relief unit consisting of pre-torqued holder with implemented Bursting Disk available from stock, allowing for quick and easy replacement at any time**



Verfahrenstechnik

Ask STRIKO for a detailed consultation and a customised quote.

We're certain to also have a solution for your application, as our strengths are:

INNOVATION – QUALITY – RELIABILITY

Put us to the test!

