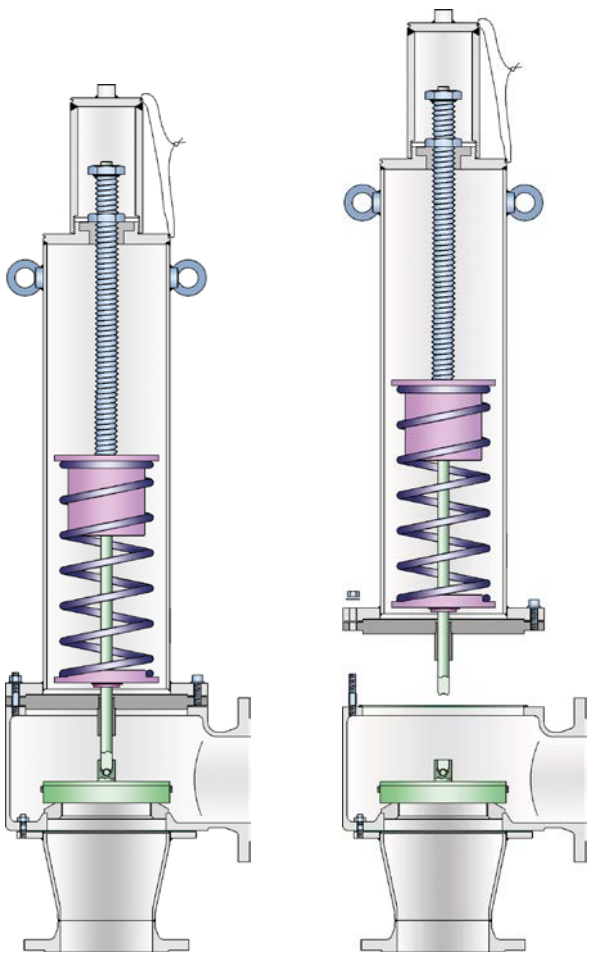


PROTEGO® Spring-Loaded Pressure/Vacuum Relief Valves in maintenance-friendly design

For pressure settings up to 1000 mbar



THE CARTRIDGE DESIGN OF PROTEGO® SPRING-LOADED VALVES IS PARTICULARLY MAINTENANCE FRIENDLY. THIS SAVES TIME AND THUS MONEY.



assembled - ready for service

disassembled – ready for maintenance

REQUIREMENT

Due to the number of components in the spring housing, maintenance can be difficult and time consuming. On completion of each maintenance job, readjustment of the spring tension on a test stand is required.

SOLUTION

PROTEGO® developed a cartridge design for the spring housing. This enhances maintenance; the spring may now be left at its factory setting during maintenance.

BENEFITS OF CARTRIDGE DESIGN

- Compact and modular.
- Easier valve inspection means faster turn around time.
- Cartridge design isolates the spring and associated components, so the factory pressure setting is maintained.
- No crane costs to lift valves from the tank for maintenance.
- Vents can be inspected and maintained on site, since accidental changes to spring tension are avoided.



Easy maintenance PROTEGO® Spring-Loaded Valves

PRESSURE RELIEF VALVES



PROTEGO® D/PA(L)-F-S
for high flow rates



PROTEGO® DZ/E-F-S
in angle design



PROTEGO® DZ/T-F-S
in straight-through design

OPERATION LIMITS PRESSURE

DN 25-150:	up to +1000 mbar
DN 200:	up to +600 mbar
DN 250:	up to +400 mbar
DN 300:	up to +300 mbar

VACUUM RELIEF VALVES



PROTEGO® SV/E-F-S
deflagration-proof



PROTEGO® SV/E-1-0-F-S



PROTEGO® DZ/EA-F-S
with internal lining

OPERATION LIMITS VACUUM

DN 25-150:	up to -900 mbar
DN 200:	up to -600 mbar
DN 250:	up to -400 mbar
DN 300:	up to -300 mbar

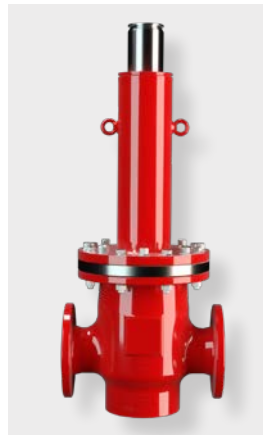
PRESSURE/VACUUM RELIEF VALVES



PROTEGO® DV/ZT-F-S
in straight-through design



PROTEGO® DV/ZU-F-S
separate connections for in-
breathing and out-breathing line



PROTEGO® DV/ZW-F-S
with connection for vent line

OPERATION LIMITS PRESSURE

DN 40-100:	up to +1000 mbar
DN 150:	up to +600 mbar
DN 200:	up to +400 mbar
DN 250:	up to +300 mbar

VACUUM

by set pressure \leq +150 mbar:	up to -14 mbar
by set pressure $>$ +150 mbar:	from -14 mbar up to -50 mbar

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