

LPG & NH3  
Pressure Relief Valve



 **Storagetech**  
STORAGE TANK EQUIPMENT  
An Äger Brand



# LPG & NH<sub>3</sub> Pressure Relief Valve

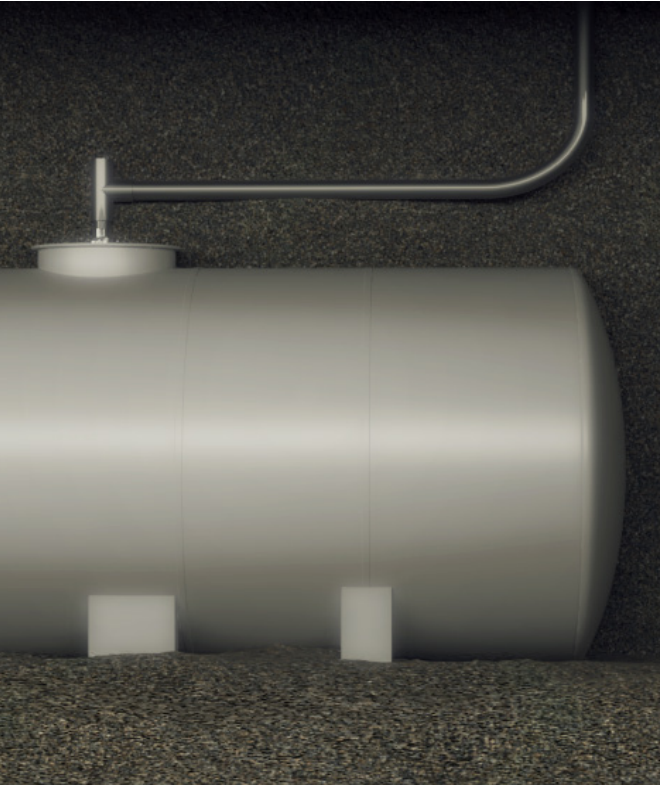


Certificates & Standards





# 2 Types For Your Need



There are basically 2 types of LPG & NH<sub>3</sub> PRV, fully internal and semi internal.

For fully internal, not to affect from the outside damage, all parts of the PRV is embedded into the tank.

With this way it is exposed the pressure from inside directly and is not being affected from any outer intervention.

When a vehicle is carrying LPG or NH<sub>3</sub> and if there occurs any accident, fully internal PRV helps to keep the gas inside.

It is mostly used for the transportation purposes.

On the other hand, semi internal pressure vacuum relief valves are used mostly for the tanks which store LPG & NH<sub>3</sub>.

Cause of those tanks are fixed and do not have the risks of rolling over, semi internal PRVs are the most suitable solution for them.

For both fully internal and semi internal pressure vacuum relief valves, Storagetech is offering the best solutions for your tanks.





# Special “Quick-Action” Design

“Quick-action” design expression is used to define the tap that is located top of it and it is action.

That tap is popping up quickly when pressure increases and exceeds the predetermined value.

That special design allows keeping the pressure value under the control and creates distinct advantage over the ordinary valves.

Tap is quickly getting action and with this way your system is staying safe.



# High Quality Material & Design

For fully internal PRVs, all materials are made from the SS316 L, spring is stainless steel and gasket is viton. That creates a great compatibility between parts of the PRVs and serves the best solution that based on the many years' experience. Fully internal PVRs are designed as 2” and 3”.

For fully internal PRVs, upper body is produced from brass and rest of it is stainless steel. As the result of our expertise based on our engineering and design experience, we used in our designs the compatibility of brass and stainless steel. That ensures the longest endurance also with the concern of usability.



# International Standards & Certificate



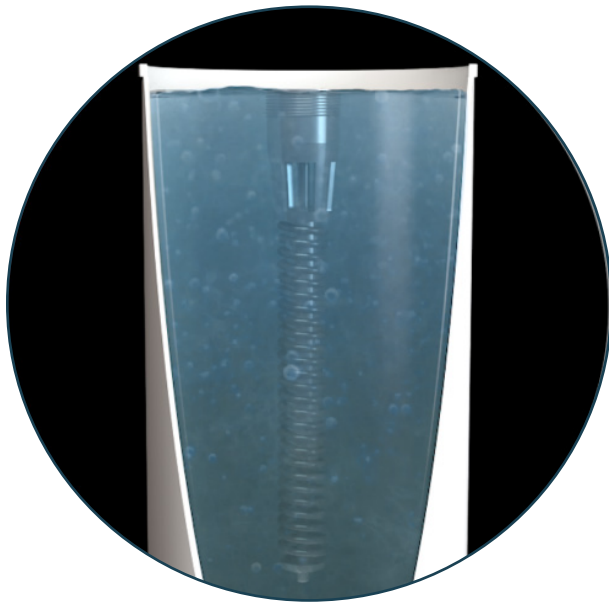
We are following the criteria for TPED Certification and we are being inspected according to TPED. This certificate covers two aspects:

- The assessment of conformity for tank vehicles, battery vehicles/wagons, multiple element gas containers, their valves and other accessories when appropriate
- The assessment of pressure receptacles, aerosol dispensers, small receptacles containing gas (gas cartridges) and fuel cell cartridges containing liquefied flammable gas

With this inspection, we are reaching the international quality standards.

Another standard we follow is ISO 14129. This standard specifies the performance requirements and the critical dimensions of the breather device. It also specifies the tests necessary to verify compliance of the equipment. With this standard, it is proven that we are following the valid international standards.





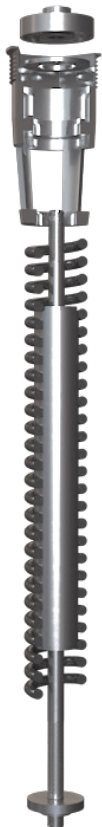
# Endurance

## Under Extreme Conditions

Storagetech LPG & NH<sub>3</sub> Type Pressure Relief Valves are elaborately designed with the consideration of harsh conditions that dangerous goods carrying vehicles can meet. For this purpose, sample products are tested in various ways and during design process of the products there 14 tests which are applied. Some of them are listed below:

- Dimensional Control
- Hydraulic Pressure Test
- Over-tightening Test
- Relief Pressure Test
- Relief Capacity Test
- Tightness Test
- Aging Test
- Strain-cracking test
- Endurance Test

We are never serving any product to our customers without following the requirements of the tests and we always ensure the high quality and long lifetime.



# Accessibility

## for Spare Parts

Spare parts are another issue when you desire the long lifetime and durability for your products. Storagetech ensures the spare parts availability and that turns out your products as usable during lifetime.

**35.000**  
SQUARE METER  
MANUFACTURING  
SPACE



**300+**  
EMPLOYEES



**40**  
YEARS  
OF EXPERIENCE



**4 MAIN**  
OFFICE



**200+**  
DIVERSE RANGE  
PRODUCTS



**30+**  
INTERNATIONAL  
REPRESENTATIVES



**QUALITY**  
CERTIFICATES



**AT 4**  
REGIONS



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### brochure series

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