

# PROTEGO® Cryogenic Tank Applications



Pilot operated valves that solve instability problems, such as fluttering and chattering, during operation.  
Cleaning for oxygen service available upon request.  
Cryogenic functional test available upon request.  
Low pressure and vacuum conservation vents.  
    Full lift technology available (fully open with only 10% overpressure/pressure accumulation)  
    Weight-loaded or spring-loaded  
Extremely low leakage rates on breather valves (much lower than ISO 28300 and API 2000 7th Ed.)  
Low pressure reducing valves

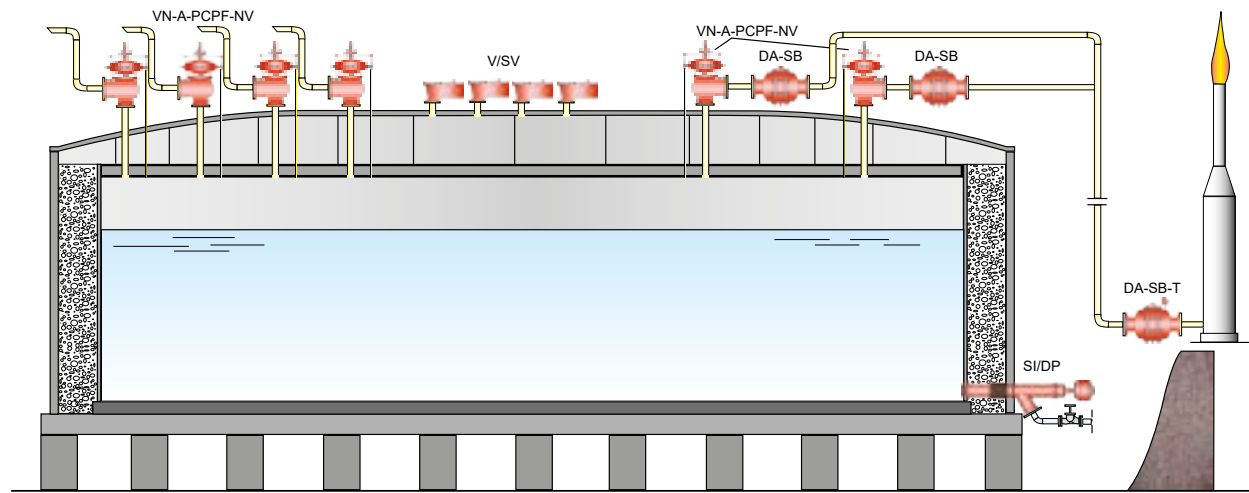
Quick-release bottom outlet valve with pneumatic actuator in-tank valves.  
Internal safety valves pneumatic and manual driven.

**ATEX approved Flame Arresters**  
    End-of-line applications  
        Deflagration Flame Arresters  
        Endurance burning-proof Flame Arresters  
    In-line applications  
        Deflagration Flame Arresters  
        Detonation Flame Arresters

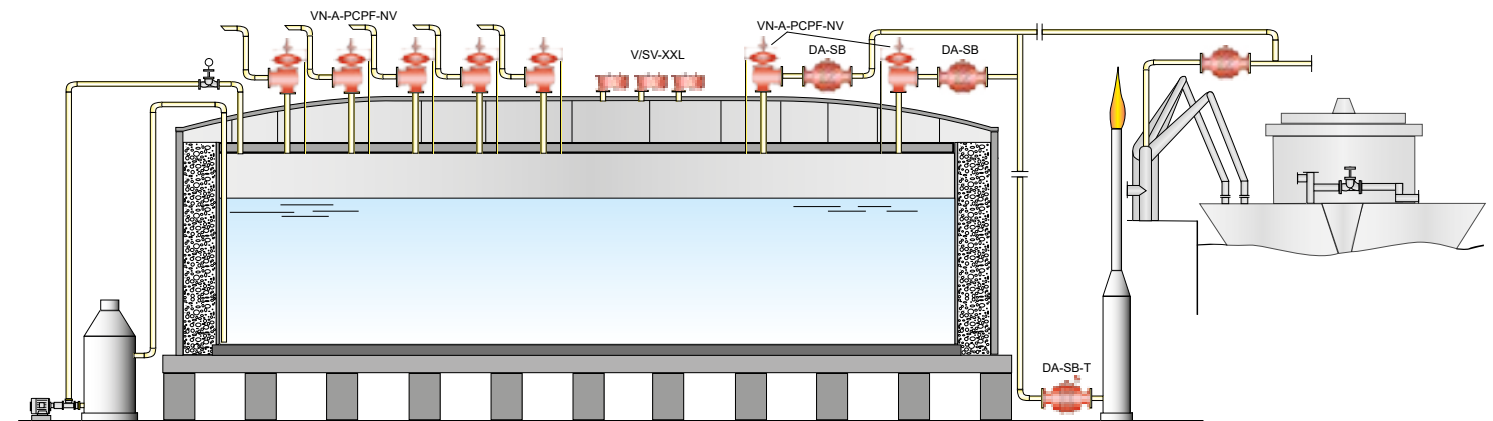
Sold globally, serviced locally (PARC).  
Fully ATEX, ISO 9001, and ISO 14001 certified international company.



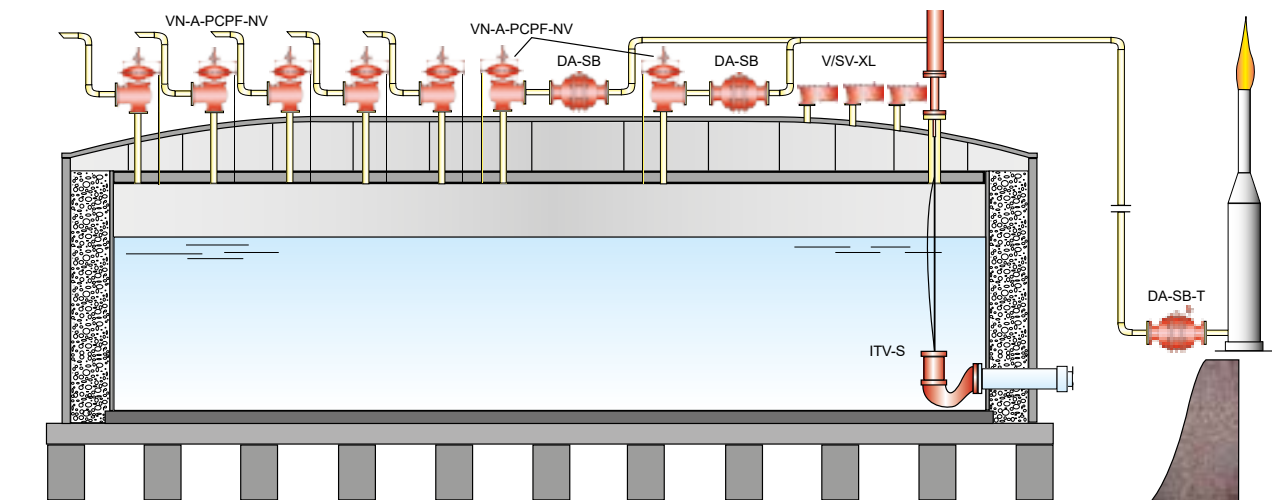
*for safety and environment*



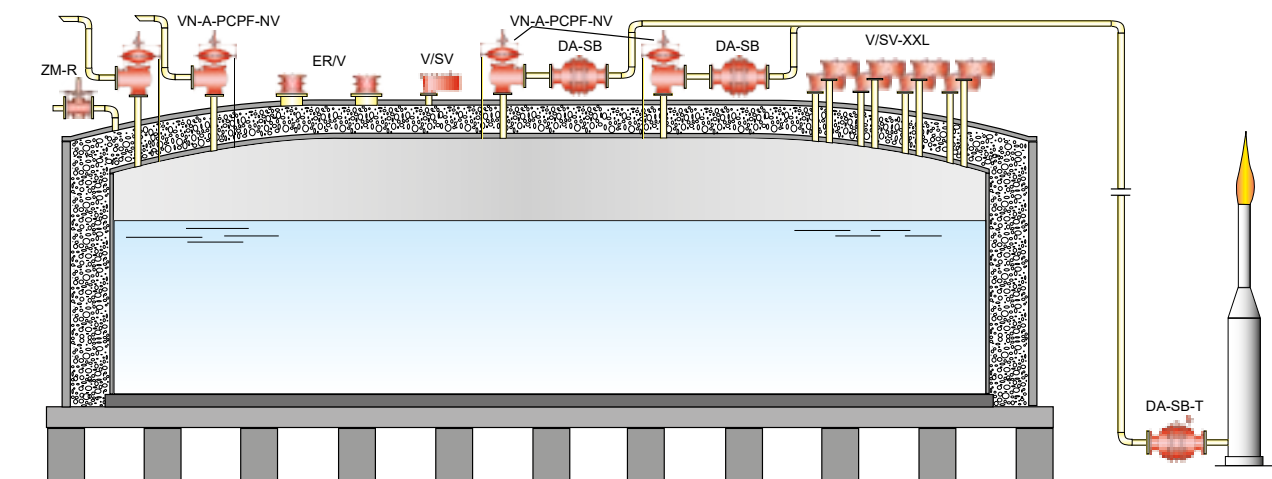
Ammonia Storage Tank



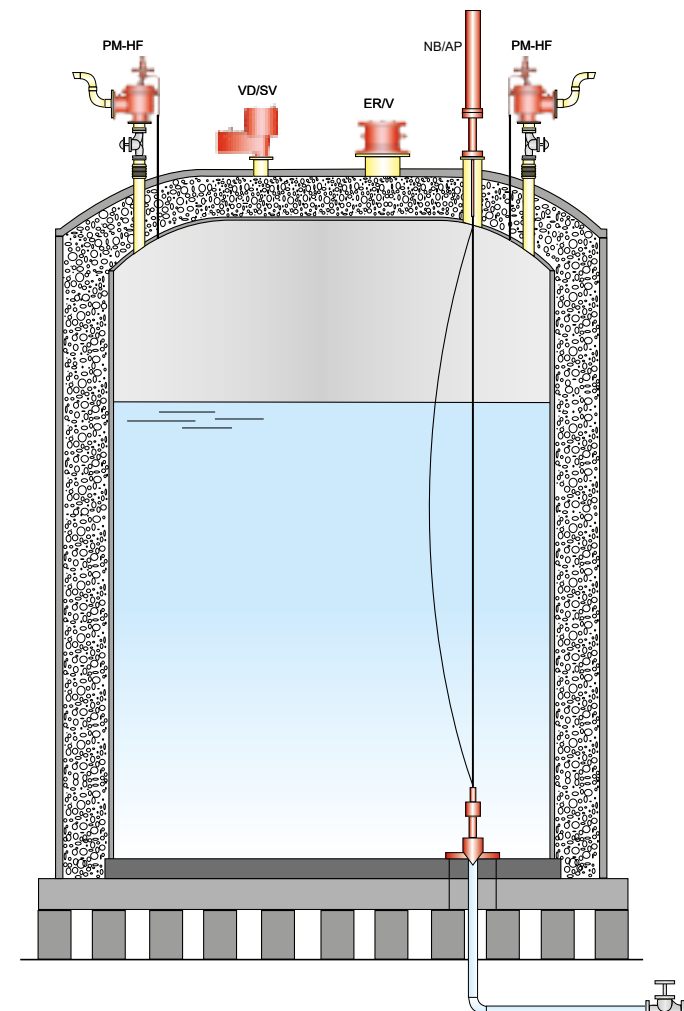
LNG Storage Tank



Ethylene Storage Tank



Propylene Storage Tank



LIN-LOX-LAR Storage Tank

**PROTEGO® Valves and Flame Arresters**

**Pressure/Vacuum Relief Valve:**

- PROTEGO® PM-HF
- PROTEGO® VD/SV

**Pressure Relief Valve:**

- PROTEGO® VN-A-PCPF-NV
- PROTEGO® ERV

**Vacuum Relief Valve:**

- PROTEGO® V/SV, V/SV-XL, V/SV-XXL

**Blanketing Valve:**

- ZM-R

**In-Tank Valve:**

- PROTEGO® NB/AP, ITV-S

**Internal Safety Valve:**

- PROTEGO® SI/DP

**Detonation Flame Arrester:**

- PROTEGO® DA-SB
- PROTEGO® DA-SB-T



### Contact

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*for safety and environment*