

Integral Tanker Solutions

Automation
has come
to LPG Tankers

PreciGAS

Metering
Solution



Alfons Haar



PreciGAS – the new choice

As standard

- ATEX certified – for direct installation
- Automatic delivery valve operation
- Automatic bottom valve operation
- Automatic diesel and pump control (dry run protection)
- FTL open standard communication

Optional

- Full automated operation through the PreciBUS and PreciNODE (ATEX)
- Automated compressor operation
- WiPIT remote control
- LPG density measurement
- Extended operational information

WiPIT – ATEX certified remote control

Full remote control including compressor handling

- Smart watch style for -25°C to +60°C ambient temp.
- All valves automated
- Automated compressor operation
- Remote printing
- Customer tank fill level data entry
- Driver motion sensing for enhanced safety
- Long range
- USB charge



WiPIT
remote
control

EASY + SAFE + EFFICIENT



New style bottom valve

Benefits

- Low pressure drop – less cavitation
- Better LPG flow rates
- Less noise than standard valves

Optional

- Integral valve monitoring (ATEX)

Stainless steel
bottom valve
model GPBV



New hose reel integration

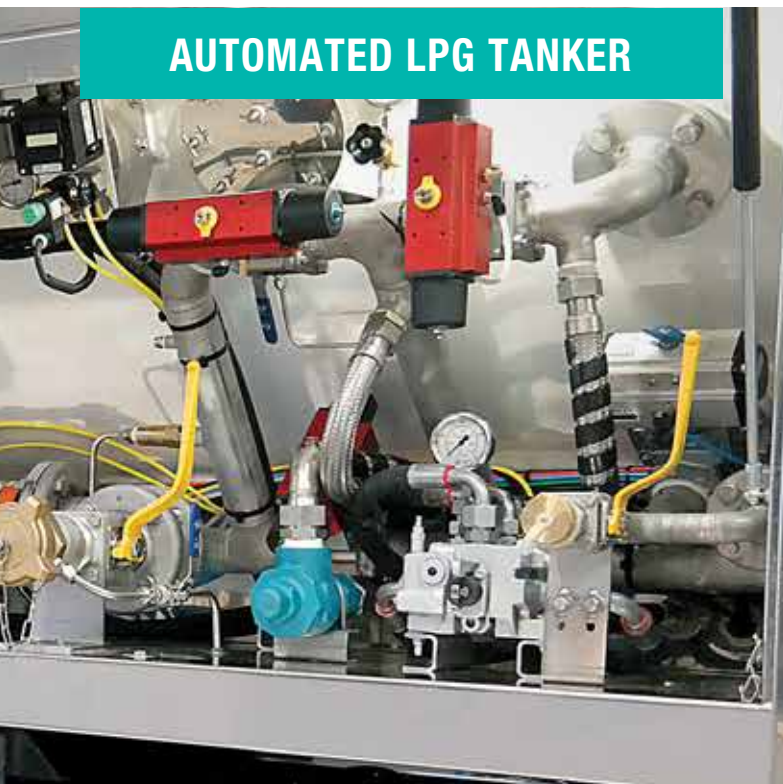
Benefits

- Safe and powerful pneumatic AirSTAR motor
- Automatic reel lock option
- “Hose length in use” monitoring and information transfer to office (ATEX)



LPG hose reel
model HPSI
shown with sensor

AUTOMATED LPG TANKER



AS-LG MONITOR – overfill prevention

LPG tank security

- For stationary tanks
- ATEX compliant
- Reliable cable connection
- Delivery system independent function
- PreciGAS may monitor the prevention system status



AS-LG
Monitor



Evolution by Concept

Easy operation

Designed with ease of use in mind: no valve handling, removing risk of running pumps dry. Drivers simply select the required mode of operation and PreciGAS will manage all aspects of your tanker as required, including engine start/stop, PTO engagement, pump or compressor activation and all valves. Additionally the whole process can be performed by remote control.

Integration

- PreciGAS metering systems are available for LPG Tanker and stationary applications
- PreciGAS metering lines are factory pre-manufactured and perfectly suited for new builds and upgrades

Application optimised flow rate ranges

Automatic flow control manages product flashing condition and enables the highest and consistent flow rates from start to finish for reduced delivery times

- Up to 400 LPM with PreciGAS C 400
- Up to 1,000 LPM with PreciGAS C 1000

PreciGAS flow meter sections are available with multiple exit valves for multiple hose reels support.

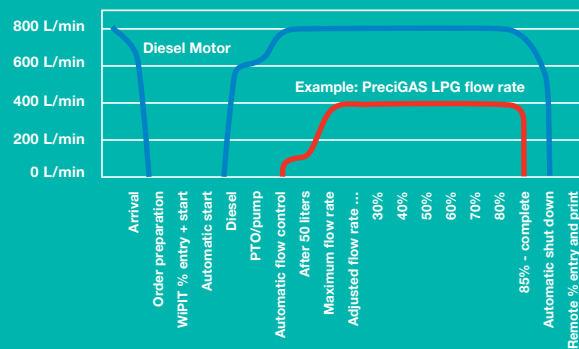
Benefits

- Very accurate measurement system
- No moving/vibrating parts, wear and maintenance free
- Low pressure drop for high flow rates but also low flow capable
- Automated driver processes for more safety and a native dry run protection
- Integral diagnostic and remote service ready (with data bridging)

Proven

Alfons Haar is the pioneer of road tanker delivery system automation. PreciGAS systems are based on PreciCONTROL and the PreciBUS technology. The concept is naturally very secure through its intrinsically safe electrical design and the PreciBUS offers excellent real-time diagnostics fully integrated with every system.

Automated motor, PTO and pump management Optimised LPG flow rate control



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