

Cleaning of gas pipelines and Mobile gas separator



Cleaning of gas pipelines and Mobile gas separator

Cleaning of gas pipelines

NET4GAS owns and operates a range of cleaning devices also known as "pigs" intended for cleaning gas pipelines with dimensions from DN 150 up to DN 1400. The pigs are configured for individual runs based on historical experience with the amount of impurities in the given gas pipeline, measurement results, and other requirements.

The following components are used during the configuration of individual pigs:

- Magnets
- Cleaning brushes
- Calibration plates
- Various localization equipment as required by the customer

NET4GAS performs the following types of cleaning:

- Operational cleaning of gas pipelines
- Calibration cleaning before gas pipeline inspection

The pigs can be equipped with a PDL module which enables the localization of major anomalies within the pipeline through temperature, pressure, 3D acceleration, inclination, and pig rotation measurement. Pipelines can be cleaned without limitation of gas transmission to customers. Cleaning is only possible on pipelines equipped with the relevant technology.

Mobile gas separator

NET4GAS' equipment for gas pipeline cleaning also comprises a mobile gas separator that can separate and capture any impurities contained in gas, which is discharged upon the pig's arrival into the pig trap at the destination node. This equipment is used on gas pipelines where no stationary separators are installed.

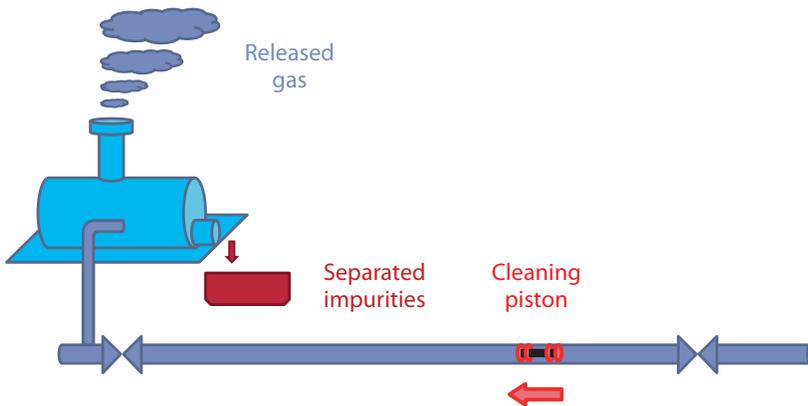
Basic characteristics

- Non-pressure vessel with integrated impurities separators
- Mobile unit in a standard ISO container
- Process monitoring by the control system
- Connection to gas pipeline with flexible hoses or solid pipes
- Separation of both solid and liquid impurities from gas

- Internal tank for impurities with a capacity of 3 m³
- Integrated hydraulic transport equipment for the continuous discharging of separated impurities into an external tank

Usage examples

Cleaning of gas pipeline section with a pig, including gas drainage through the mobile separator (simplified scheme without launching and receiving traps and other technology)



References

- Hundreds of successful cleaning operations on gas pipelines up to DN 1400 within the NET4GAS transmission system
- Pipeline cleaning for a regional distribution company in the Czech Republic



NET4GAS, s.r.o.
Na Hřebenech II 1718/8
140 21 Prague 4 - Nusle
Czech Republic

E-Mail: specialmaintenance@net4gas.cz
Web: www.net4gas.cz