



Pressure Sewer Systems

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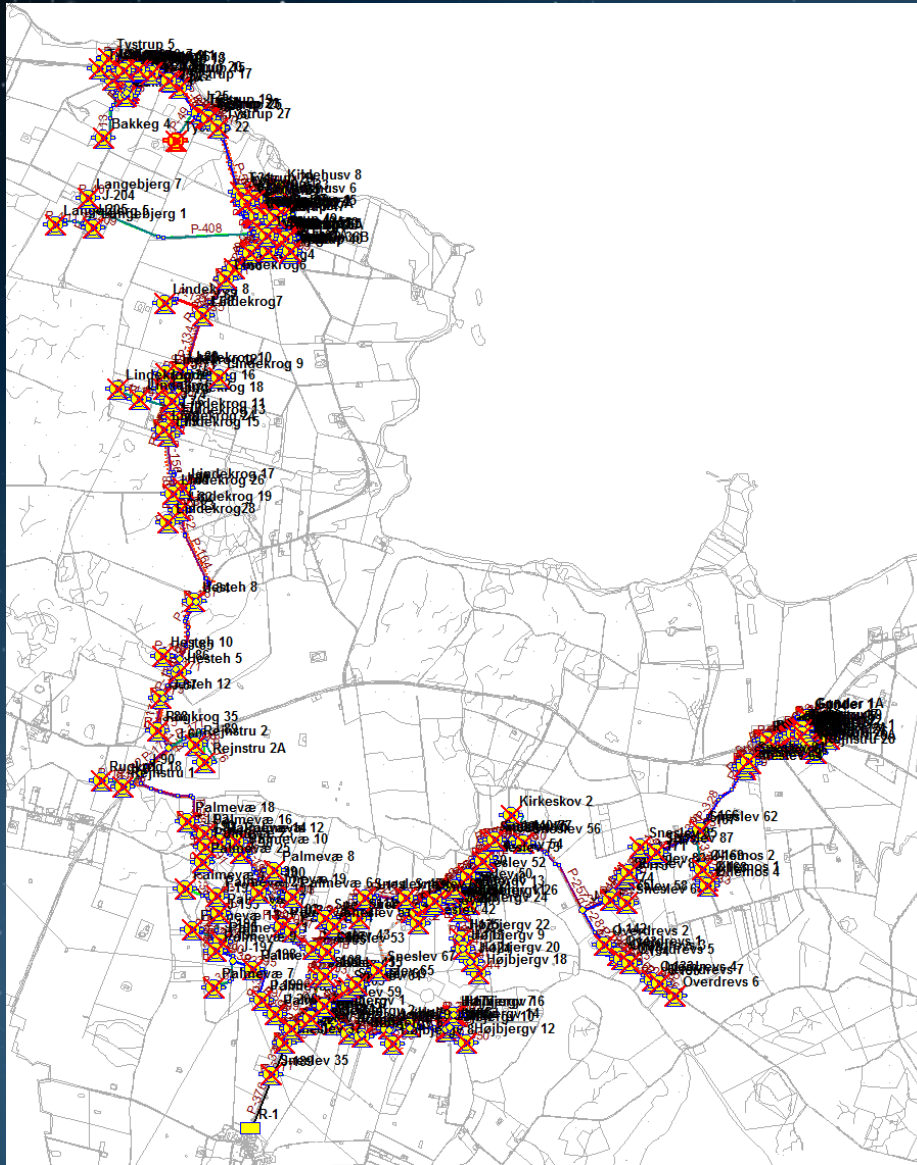
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What is a Pressure Sewer Systems



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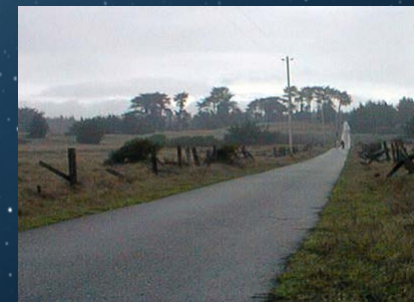
Each home uses a small pump (High Head Grinder Pumps) to discharge wastewater from a small pumping station into a common pressure pipe.

Why use a Pressure Sewer Systems

Low pressure sewers is and economical solution where gravity sewers may be impractical if not impossible.

Examples include:

- ❑ Small villages
- ❑ Thinly populated areas
- ❑ Rocky Soil
- ❑ Hilly Terrain
- ❑ High groundwater levels
- ❑ Long Flat Terrain



What kind of pumps is used in Pressure Sewer Systems



The OGP two-stage Vortex grinder pump combines high head capabilities with excellent reliability.

Performance Capabilities:

- ❑ Patented two-stage Vortex grinder pump
- ❑ Flow up to 1.8 l/s and head up to 60m, with a 1,5 kW, 3x400 V motor
- ❑ Smaller cutter radius provides better ability to cut fiber-containing liquids
- ❑ Capable and tested to operate at 60 m head, in continuous operation

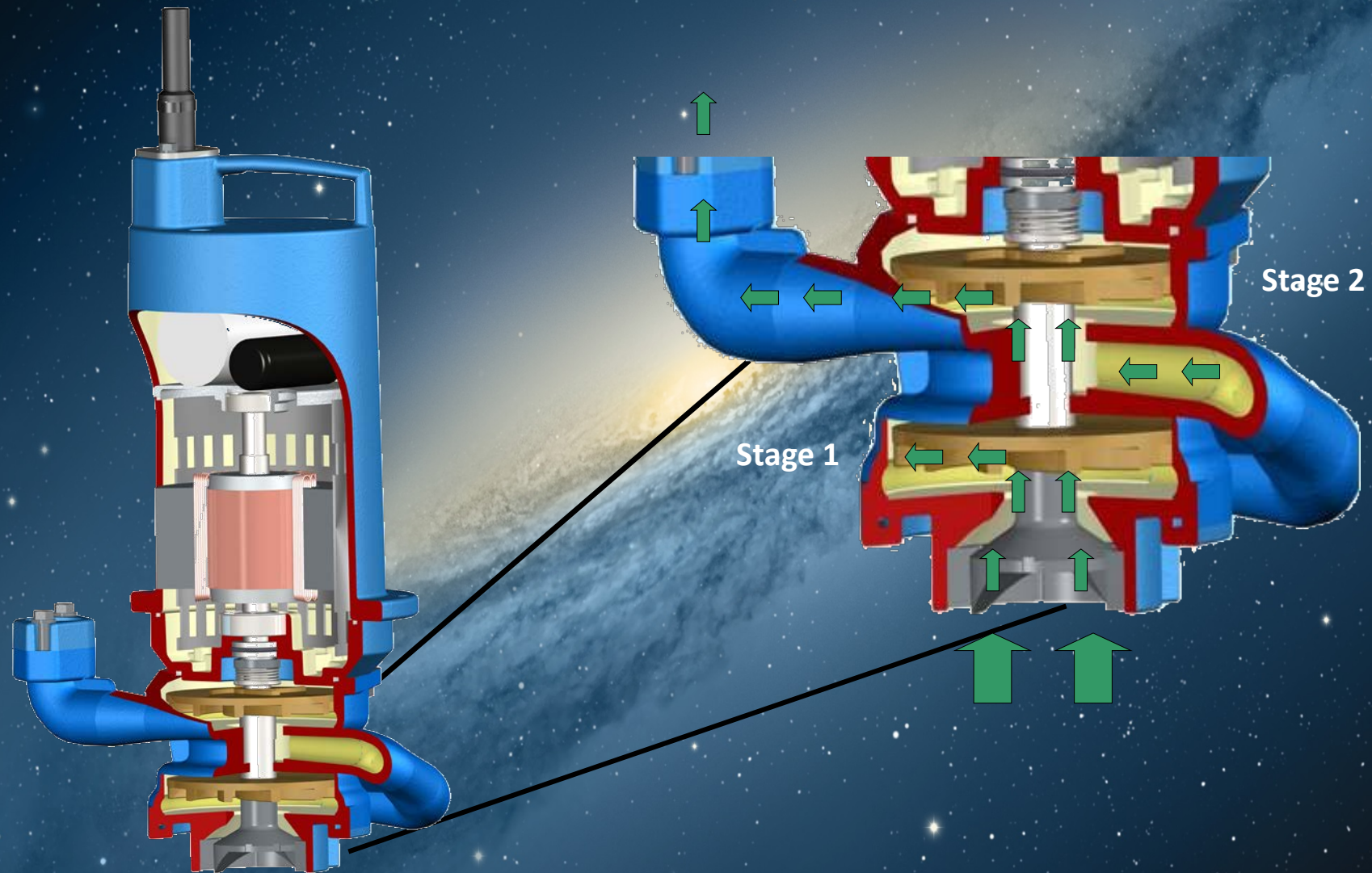


The OGT Turbine grinder pump combines high head capabilities and low amp technology to offer a 20 year life.

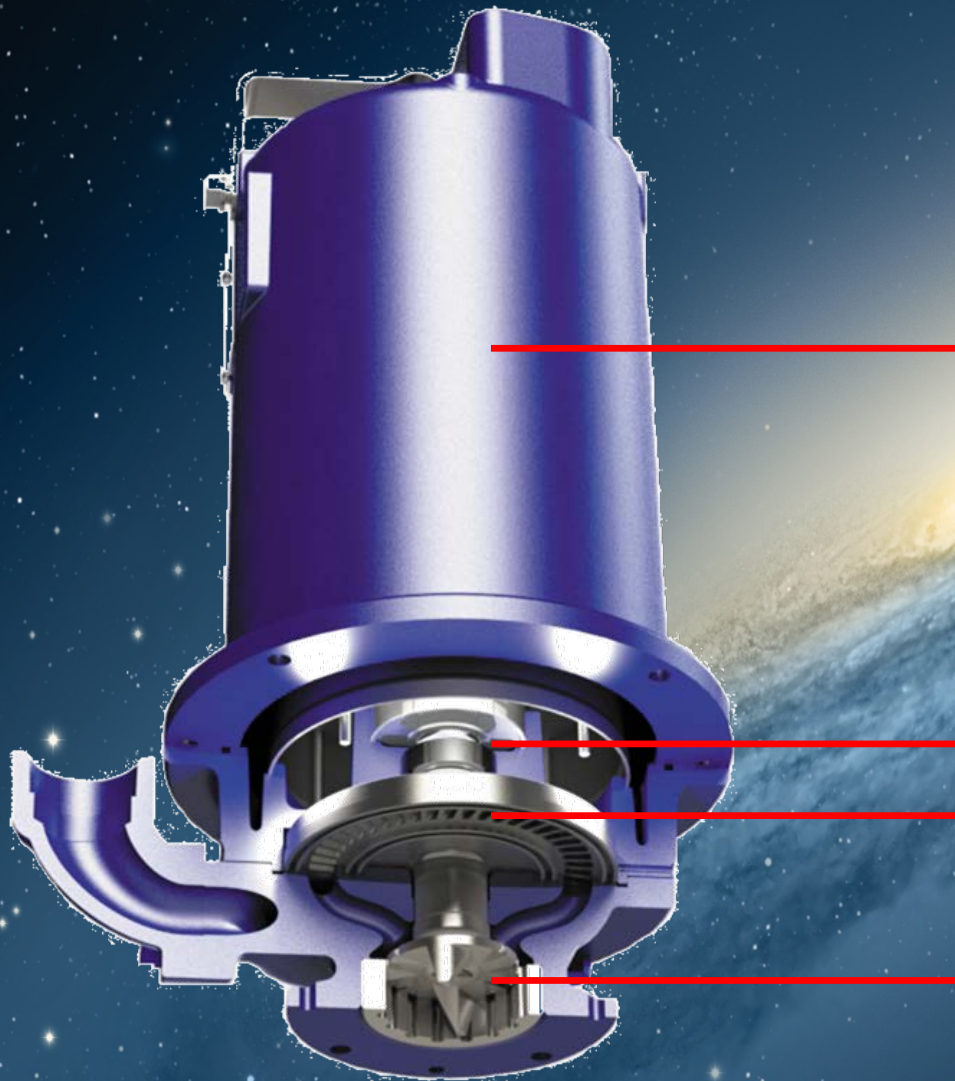
Performance Capabilities:

- ❑ Patented Turbine grinder pump based on new innovation and Low amp technology
- ❑ Flows up to 1.25 l/s and head up to 80 m, with a 0,75 kW, 1x230 V motor
- ❑ Smaller cutter radius for greater ability to grind fibrous materials
- ❑ Special Aerospace Industry coating to prevent abrasion
- ❑ Capable and tested to operate at 80 m head, in continuous operation

Two stage High Pressure Grinder Pumps



Turbine High Pressure Grinder Pumps



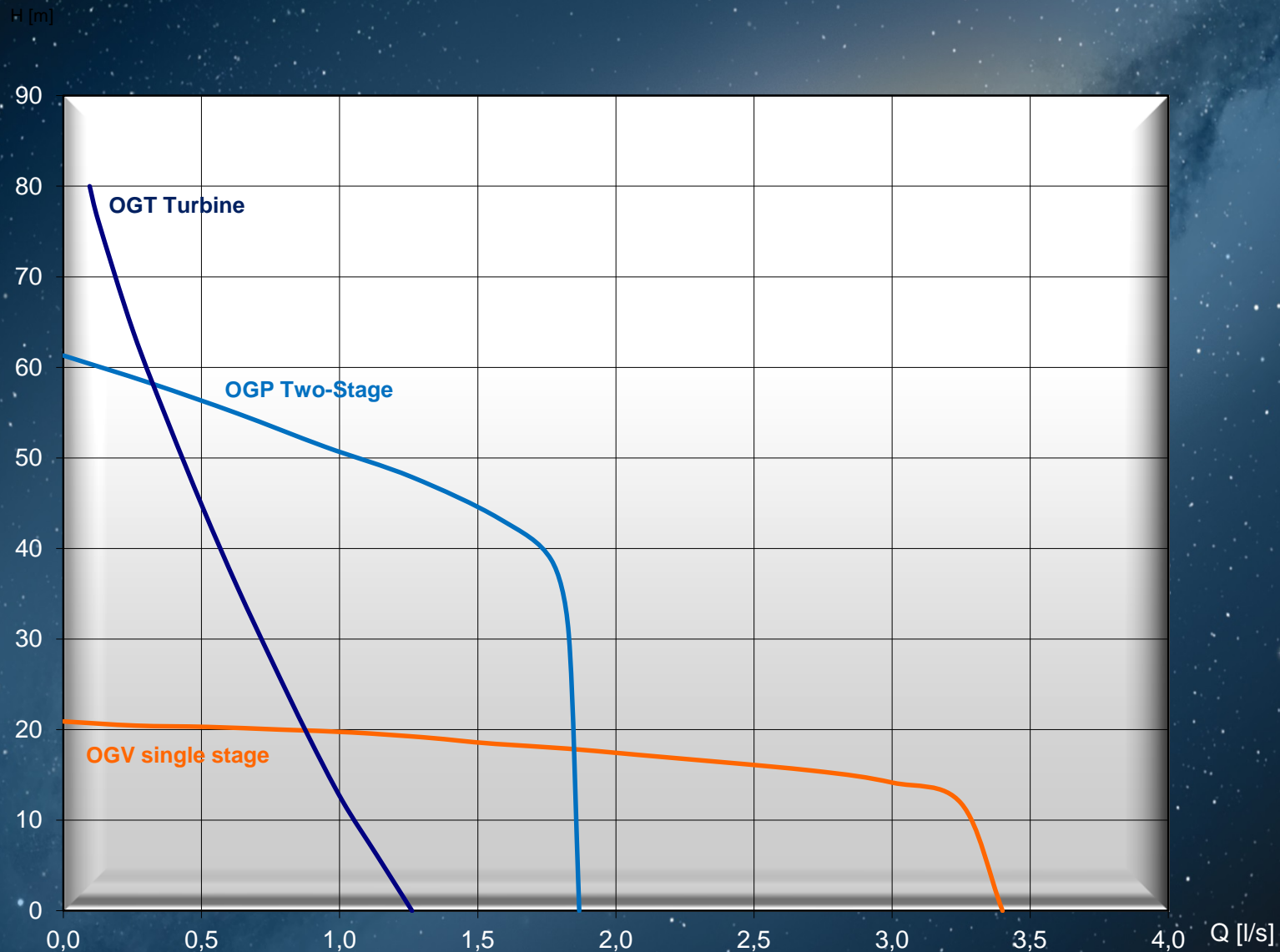
Low Amp technology motor

Mechanical shaft seal

Turbine hydraulic technology, by using
Special Aerospace Industry coating

Efficient cutter system

High head vs. Traditional Grinder Pumps



Liqflow ØkoTran™ system

☐ Lockable PE cover

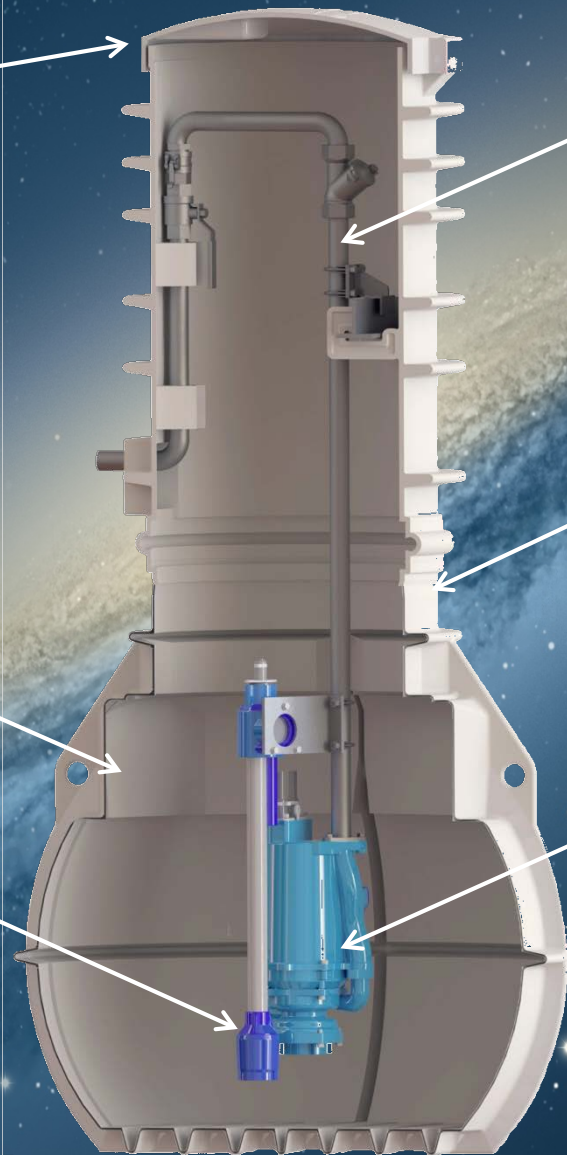
☐ Pipes, brackets and valves in AISI 316 stainless steel

☐ Optional positioning of the inlet

☐ Rotation molded PE Pit

☐ ESPS level sensor

☐ High head centrifugal grinder pump



Liqflow Pressure Sewer summation

Why to choose a Liqflow pressure sewer system

- ❑ We deliver the only High Head Centrifugal Grinder Pump on the market made exclusive for pressure sewer systems
- ❑ We build the pressure sewer systems with the same pump in all pits
- ❑ We deliver a complete package, ready to install
- ❑ We deliver a proven system.
- ❑ We deliver a pump system that always make sure to obtain the scouring velocity in your pressure pipes
- ❑ We dimensioning your system to avoid hydrogen sulphide problems

Liqflow Pressure Sewer

Thank you for your attention

You are very welcome to ask any questions