



6 BAR 1,8 L/S

1.5kW, 230 OR 400 V, 50HZ MOTOR

PATENTED TWO-STAGE VORTEX GRINDER PUMP

NO SCHEDULED MAINTENANCE

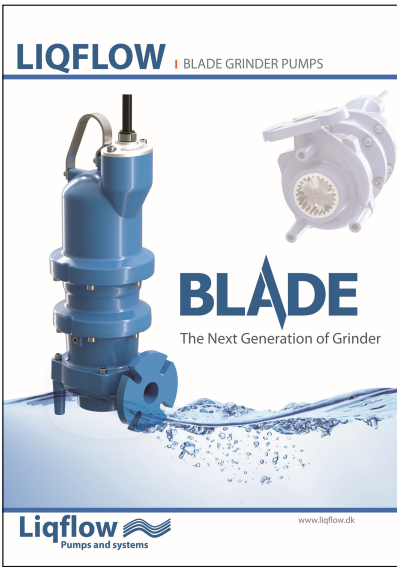
HIGHER FLOWS FOR SCOURING VELOCITY

Low Life Cycle Cost

The heart of any Pressure Sewer System is the pumps. Liqflow's Omni Grind Plus+ (OGP+) is a 2-Stage Centrifugal design capable of heads up to 60 meter and flows to 1.8 liter per second. The OGP+ pump is the only centrifugal grinder pump on the market that is directly designed for Pressure Sewer Systems. The robust design of the OGP+ grinder pump, meets all requirements for modern sewage pumping stations where the key words are Reliability, Reliability and Maintenance-Free. The OGP+ is a superior pump with less wearing parts that require replacement or maintenance. It combines the high head capabilities of a progressive cavity pump with the long life of a centrifugal grinder pump, making the Omni Grind Plus+ to the best choice for Pressure Sewer Systems, commercial and industrial applications



Find more innovative Liqflow products





Long lasting Innovation

Liqflow’s Omni Grind Plus+ is a 2-Stage Centrifugal design capable of heads up to 60 metres and flows to 1.8 l/s

The OGP is a superior pump with less wearing parts that require replacement or maintenance. It combines the high head capabilities with the long life of a centrifugal grinder pump making the Omni Grind Plus+ the best choice for Pressure Sewer Systems and commercial and industrial applications

At the forefront of advancing technologies, the OGP is purposebuilt for continual operation across coastal, urban and rural terrains, with the versatility to adapt to any pressure sewer network.



Uniquely Designed & Engineered

Designed & Engineered for Domestic, Commercial and Industrial use.

Superior Performance

- > Patented 2-Stage pump design provides continuous high head capability without affecting pump life.
- > Provides higher flows for commercial and industrial applications.
- > Outlasts progressive cavity pumps by 6 times in extended wear tests.
- > Less wearing parts
- > Recessed vortex impellers

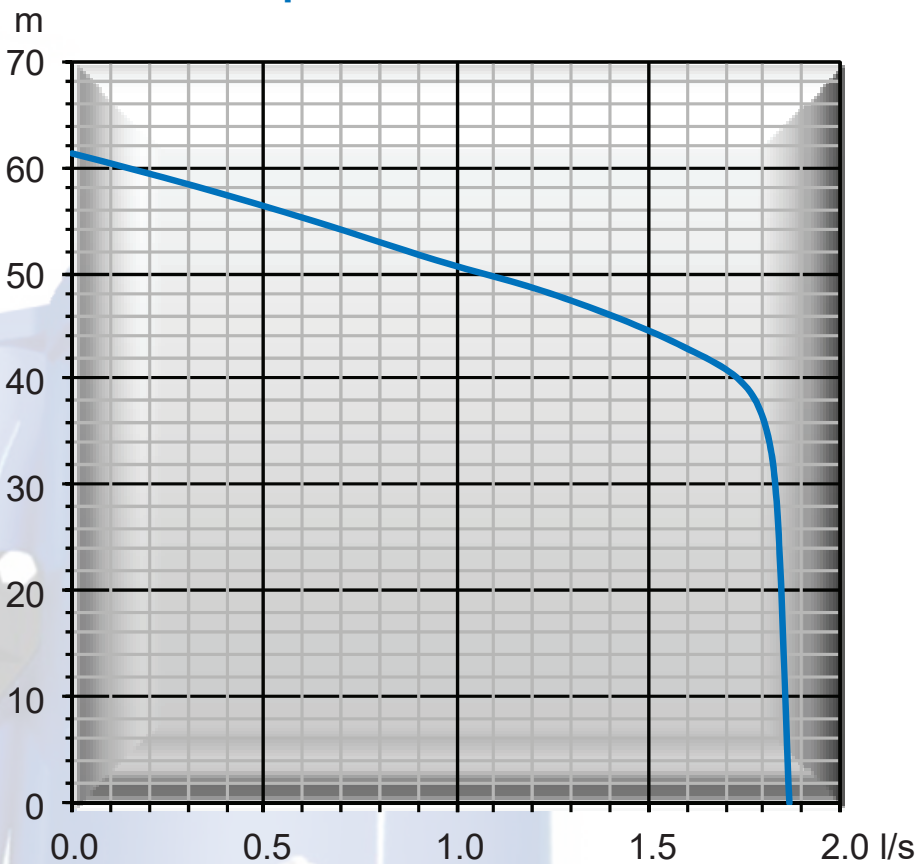
Efficient

- > Can be used in any existing pressure sewer system which has been designed for use with progressive cavity pumps.
- > 1.5kW, 230 or 400 volt, 50Hz continuously rated motor.

Long Life

- > The OGP+ is a centrifugal grinder pump which are recognised for their reliable and trouble free operation. The OGP+ is a 2-Stage centrifugal design which provides twice the head of a single stage centrifugal.
- > Exclusive Slicerator™ has superior grinding action which eliminates jams.
- > Recessed impellers creates a vortex action, approximately 10% of the particles come into contact with the impeller, minimising component wear.
- > 2-Stage design allows pump to run continuously at high or low heads with no damage.
- > Extended wear tests up to 60 years of operation.
- > Silicon carbide mechanical seals fitted to the OGP+ are excellent for coastal areas with high sand infiltration.
- > Oil filled motor for superior cooling.
- > Built in, automatic resetting overload protection extends motor life.

OGP Pump Curve 1,5 kW, 2850RPM, 50 Hz



Testing is performed with water, specific gravity 1.0 @ 20°C, other fluids may vary performance.

Extensively Tested Reliability & Capabilty

NSF / ANSI 46 Challenging Material

Toilet tissue	✓
Facial tissue	✓
Filter tip cigarette	✓
Egg	✓
Paper towel	✓
Personal hygeine products	✓
8 oz. chlorine laundry bleach	✓
Cotton swab w/ plastic stick	✓
Large disposable diaper	✓
Adhesive bandage, wrapper	✓
Dental floss, 12 inches	✓
8 oz, alkali drain cleaner	✓
Handi-Wipe or equivalent	✓
4 oz. liquid animal fat	✓
One pair large panty hose	✓
Wet cloth diaper	✓
Toothbrush	✓
Wood pencil	✓
Plastic table utensil	✓
Metal bottle cap	✓
HDPE bottle cap	✓
Metal car toy	✓
Crushed 8oz drinking glass	✓

Exclusive Slicerator™

- > The unique hardened stainless steel cutter system, ensures a reliable operation, and a long lifetime for the OGP+ pump. The cutter system is designed so only one knife cuts at a time, and with 7 counter cutter in the stationary knife, means the pump has 14 "cut" per revolution. This minimizes the power consumption and the start and operating torque of the pump.

The Patented OGP Two-Stage Grinder pump have valuable features including:

1 Vortex Impellers

2-Stage recessed Vortex impellers for solids handling, high head performance, long life and maximum reliability.

2 Exclusive Slicerator™

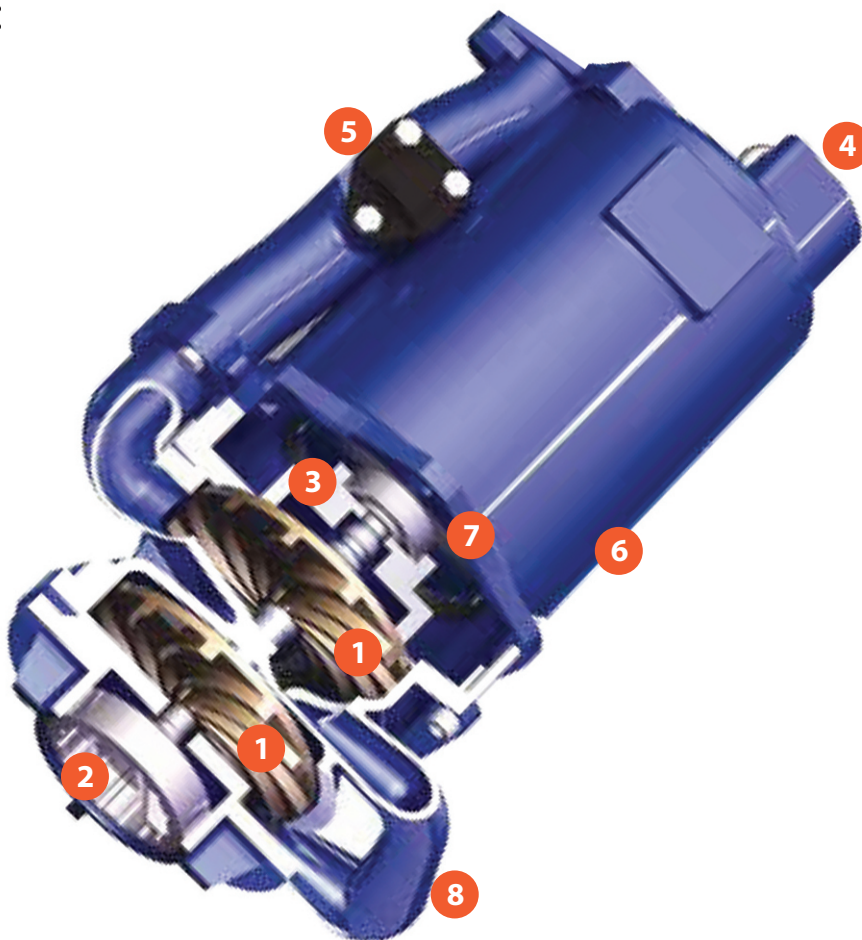
The staggered slicing action of the grinder eliminates clogging with particularly troublesome objects.

3 Silicon Carbide Seal

The high quality mechanical seal with silicon carbide faces provides a perfect seal between the pumped media and the electric motor.

4 Cable Connector

A Quick disconnect hermetically sealed cable connector eliminates water leakage through cable entry to the electric motor.



5 Anti-Syphon

The inbuilt anti-syphon valve protects against negative lifting height and ensures that the well is not emptied, and that air pockets occur in the pump housing

6 Electrical motor

Oil filled motor for superior cooling. Built in, automatic resetting overload protection extends motor life. 1.5kW, 230 or 400 volt, 50Hz continuously rated motor.

7 Bearings

Angular contact bearings 100,000 hour L-10 rating.

8 Interstage passage

The connection between the two stages of the pump.