



Compit Pressure Sewer System

WITH PROGRESSIVE CAVITY OR CENTRIFUGAL GRINDER PUMPS

FLYGT
a xylem brand

Does “One Size Fits All” Fit Your Design Requirements?

With more than 300,000 grinder pumps in successful service since the early 1980s, Flygt understands the importance of pump selection in the overall performance of your pressure sewer system. That’s why Flygt Compit Pressure Sewer Systems offer two proven grinder pump technologies to better meet your specific needs—progressive cavity or centrifugal hydraulics. By matching the right technology to your system demands, we can improve performance efficiency and lower energy consumption and annual operating costs.

Flygt Progressive Cavity Pump

- The Flygt centrifugal grinder pump family includes the same pumps used in municipal and commercial pump stations since the early 1980’s
- Predictable performance with flow ranging from 6-15 gallons per minute for most system designs
- Exclusive double-row lower bearing and wear sleeve provide increased shaft stabilization and longer motor and seal life
- Exclusive seal cavity design comprised of two independent mechanical seals that run in a food-grade oil bath, eliminating foreign-debris damage and delivering longer run times between service
- Trickle-impregnated method of insulating motor windings results in 80-90% fill rate and eliminates air pockets, allowing the motor to run at a lower temperature for extended motor life



Flygt Centrifugal Grinder Pumps

- Rugged, municipal-designed pump with a higher head capacity and more flow at run-out
- Wide range of performance with flows over 200 gallons per minute
- Based on a flexible modular design all sizes have the same discharge size and several interchangeable impellers to meet today’s demands and tomorrow’s growth
- Exclusive seal cavity design comprised of two independent mechanical seals, one running in a food grade oil bath and the other running in the pump media with spin out that eliminates foreign-debris damage and enabling longer run times between service
- Trickle-impregnated method of insulating motor windings results in 80-90% fill rate and eliminates air pockets, allowing the motor to run at a lower temperature for extended motor life





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Compit 460/570 Small Residential and Commercial Applications

- Total storage capacity from 120 to 150 gallons
- The Compit 570 was designed for northern climates where the discharge needs to be below the frost line which can be over 4 ft.
- Both the 460 and 570 basins are easy to install, with eight flat panels for easy-to-locate station penetrations
- Compatible pumps: M3000 Series centrifugal and 3068.175 progressive cavity pumps

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Compit 900 Large Residential and Small Commercial Applications

- A simplex station design with total storage capacity near 240 gallons and heights ranging from 74" to 118" with extension
- Cover materials include polyethylene, or concrete for traffic-rated applications
- Easy to install with two bosses for electrical or venting and a single predetermined inlet boss
- Large bottom flange eliminates the need for concrete ballasting, lowering install time and cost
- The bottom is bowl shaped to promote solids removal and reduce resting volume
- Compatible pump: 3068.175 progressive cavity

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Compit 2000/2500 Hotels, Multiple Homes, Commercial and Smaller Municipal Station Applications

- Total storage capacity from 500 to 625 gallons
- Practical basin design saves valuable installation time by allowing the inlet field to be installed anywhere between ribs
- The cover is screwed on and sealed with an adhesive gasket to keep odors confined to the station or vented to a remote location
- The bottom is hopper shaped to direct all solids down to the pump inlet, allowing easy removal before issues arise and reducing resting volume
- Compatible pumps: M3000 Series Centrifugal and 3068.175 progressive cavity

Reduce Running and Service Costs with Flygt Monitoring & Control Solutions

Maximize the efficiency of your Compit Pressure Sewer System with Flygt monitoring and controls. The Flygt control offer focuses on reducing downtime while making the system easy to operate, and providing the homeowner proven municipal grade technology for residential use.

Flygt FGC211 Intelligent Control

Advantages

- Motor protection with built-in overload protection and user-defined maximum motor current
- Maintenance runs will exercise for one second every four days to keep seals adequately lubricated
- Automatic reset from the FGC allows the end-user to enter the number of automatic restarts from 1-200. The counter clears after a successful restart
- Starting and power on delay to prevent an over-pressure situation, the FGC starts pumps with a delay of 1-120 seconds when starting the pumps after a power interruption



Flygt Phase Conversion Panel

Advantages

- Nearly double the starting torque and up to 30% energy savings when compared to single phase systems
- Additional motor protection will shut pump down in under or over voltage conditions
- Self starting system does not require start and run capacitors to run the pump
- Reduced operating cost and low stress on the motor due to reduced in rush starting current



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Flygt is a brand of Xylem, whose 12,000 employees are addressing the most complex issues in the global water market.

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