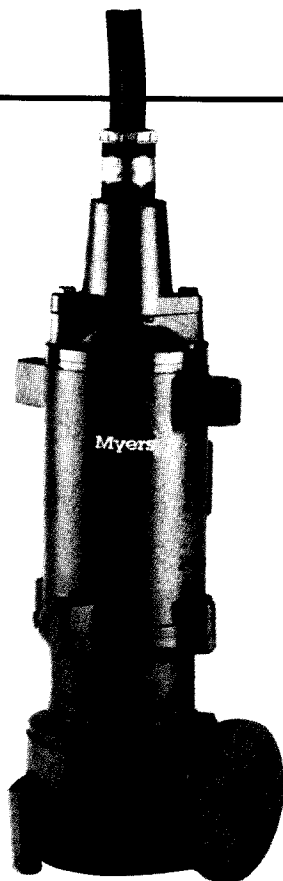


WG30-50 and WGX30-50

Standard (WG30-50) and
Explosion-proof (WGX30-50)
3-5 HP Submersible Grinder Pumps



(WGX30-50 only)



MYERS WG30-50 ARE RUGGED 3-5 HORSEPOWER SUBMERSIBLE CENTRIFUGAL GRINDER PUMPS DESIGNED FOR RESIDENTIAL, LIGHT COMMERCIAL, INDUSTRIAL OR MUNICIPAL APPLICATIONS. They are especially designed for grinder pump applications requiring higher flows at low to moderate heads. The WG30-50 feature a heavy-duty cutter mechanism and recessed impeller design to efficiently grind typical sewage solids into a fine slurry.

WG30-50 grinder pumps are available in standard and U.L. Listed explosion-proof (WGX30-50) construction for use in Class I, Group D hazardous locations.

WG30-50 grinder pumps can be installed in a variety of packaged systems. Factory-assembled simplex or duplex packages with guide rail systems are available. Individual rail components are also available for installation in on-site concrete systems. F.E. Myers offers a complete line of submersible sump, sewage, effluent, grinder, non-clog wastewater pumps, controls, basins and accessories. For additional information, please contact your local Myers representative or the Myers Ashland, Ohio sales office at 419/289-1144.

ADVANTAGES BY DESIGN

IDEAL FOR USE IN LIFT STATIONS.

- Recessed impeller provides non-overloading high flow operating curve.

DURABLE MOTOR WILL DELIVER MANY YEARS OF RELIABLE SERVICE.

- Oil-filled motor for maximum heat dissipation and constant bearing lubrication.
- Recessed impeller reduces radial bearing loads; increases bearing life.
- High-torque capacitor start single phase or three phase motors for assured starting under heavy load.
- Seal leak probes and on-winding heat sensors warn of seal leak condition, and stop motor if motor over heats. Helps prevent costly motor damage.

THE WG30-50 IS DESIGNED FOR EASY MAINTENANCE.

- Shredding ring and grinder impeller are replaceable without dismantling pump or motor.

PRODUCT CAPABILITIES

Capacities To	185 GPM	693 LPM
Heads To	92 ft.	28.1 m
Liquids Handling	domestic raw sewage	
Intermittent Liquid Temp.	up to 140°F	up to 60°C
Winding Insulation Temp. (Class F)	311°F	155°C
Motor Electrical Data (Single phase motors are capacitor start type. Myers control panels or capacitor kits are required for proper operation and warranty.)	3450 RPM, 60 Hz 3-5 HP, 230V, 1 Ph 3-5 HP, 200, 230, 460V, 3 Ph	
Std. Third Party Approvals Optional Approvals	CSA UL Class 1, Group D (WGX30-50 only) file E68118	
Acceptable pH Range	6-9	
Specific Gravity	.9-1.1	
Viscosity	28-35 SSU	
Discharge (Flange Dim.)	2-1/2 in.	63.5 mm
Min. Sump Dia. (Simplex) (Duplex)	36 in. 48 in.	91.4 cm 121.9 cm

NOTE: Consult factory for applications outside of these recommendations.

Construction Materials	
Motor Housing, Seal Housing Cord Cap and Volute Case	cast iron, Class 30 ASTM A48
Impeller	recessed, bronze
Power Cord	25 ft. SOW/SOW-A
Control Cord	25 ft. SOW/SOW-A
Mechanical Seals Standard Optional	double tandem, carbon and ceramic lower tungsten carbide
Pump, Motor Shaft	416 SST
Fasteners	300 Series SST
Shredding Ring and Grinder Impeller	440 SST, 58-60 Rockwell

WHERE INNOVATION MEETS TRADITION

WG30-50 and WGX30-50

Standard (WG30-50) and
Explosion-proof (WGX30-50)
3-5 HP Submersible Grinder Pumps

STATOR

3450 RPM, 1 and 3 phase.
Press fit for perfect alignment and best heat transfer.
Oil-filled motor conducts heat and lubricates bearings.

CABLE ENTRY SYSTEM

Provides double seal protection. Cable jacket sealed by compression grommet. Individual wires sealed by epoxy potting.

HEAT SENSOR

Protects motor from burnout due to excessive heat from any overload condition. Automatically resets when motor has cooled.

BALL BEARINGS

Upper and lower ball bearings support shaft and rotor and take axial and radial loads.

HEAVY 416 SST SHAFT

Corrosion resistant. Reduces shaft deflection due to grinding loads.

SHAFT SEALS

Double tandem mechanical shaft seals protect motor. Oil-filled seal chamber provides continuous lubrication.

SEAL LEAK PROBES

Detect water in seal housing. Activates warning light in control panel. (Test resistor on UL Listed models.)

VOLUTE CASE

Cast iron; horizontal discharge. (Drilled for 2 1/2" pipe flange.)

IMPELLER

Bronze recessed impeller handles ground slurry without clogging or binding. Provides unobstructed flow passage. Reduces radial loads. Pumpout vanes help keep trash from seal; reduces pressure at seal faces.

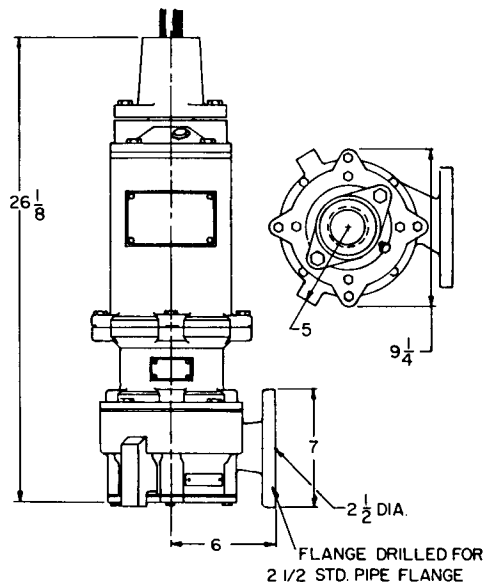
GRINDER ASSEMBLY

Grinder impeller and shredding ring are replaceable without dismantling pump. Constructed of 440 SST hardened to 56-60 Rockwell.

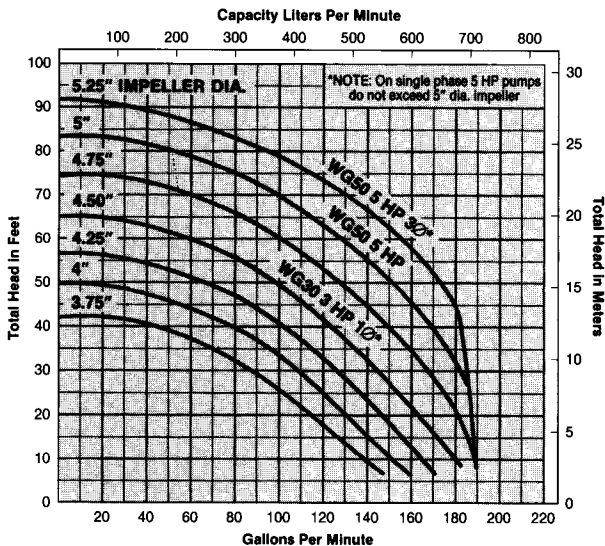
SLEEVE BEARING

Takes radial load; provides flame path. (UL listed pumps only.)

DIMENSIONS



PERFORMANCE CURVE



K3425 8/01
Printed in U.S.A.



Myers®
Pentair Pump Group

F. E. Myers, 1101 Myers Parkway, Ashland, Ohio 44805-1969
419/289-1144, FAX: 419/289-6658, www.femyers.com

Myers (Canada), 269 Trillium Drive, Kitchener, Ontario N2G 4W5
519/748-5470, FAX: 519/748-2553