

# WGL20H High Head

2 HP High Head Grinder Pump  
for Residential, Commercial  
and Industrial Applications



**THE MYERS WGL20H IS A VERSATILE 2 HP HIGH HEAD SUBMERSIBLE GRINDER PUMP DESIGNED SPECIFICALLY FOR USE IN PRESSURE SEWER APPLICATIONS OR IN SYSTEMS WITH LONG DISCHARGE RUNS OR HIGH STATIC HEADS.** It features a patented cutter mechanism and recessed impeller design to effectively macerate typical domestic sewage solids into a fine slurry.

The WGL20H can be installed in a variety of packaged systems. Factory-assembled simplex or duplex packages with guide rail systems or suspended systems are available. Myers also has complete turn-key systems to make selection simple. Individual rail components are also available for installation in on-site concrete systems. 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 headquarters located in Ashland, Ohio at 419-289-1144.

## ADVANTAGES BY DESIGN

### IDEAL FOR USE IN PRESSURE SEWER SYSTEMS.

- Recessed impeller provides steep non-overloading 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.
- Optional seal leak probe warns of seal leak condition, helps prevent costly motor damage.
- Single phase motors have on-winding current and temperature sensitive overload.

### THE WGL20H IS DESIGNED FOR EASY MAINTENANCE.

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

## PRODUCT CAPABILITIES

Capacities To	19 GPM	70 LPM
Heads To	129 ft.	39.3 m
Liquids Handling	residential/light-duty commercial 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 recommended for proper operation and warranty.)	2 HP 3450 RPM 1 ph - capacitor start/run. 208 or 230 volt; 60 Hz 3 ph - induction run 200, 230, 460, 575 volts, 60 Hz	
Third Party Approvals*	UL, cUL submitted	
Acceptable pH Range	6 - 9	
Specific Gravity	.9 - 1.1	
Viscosity	28 - 35 SSU	
Discharge, NPT	1 1/4 in.	31.75 mm
Min. Sump Diameter		
Simplex	24 in.	61.0 cm
Duplex	36 in.	91.4 cm

Note: Consult factory for applications outside of these recommendations.

\* Models with third party approval(s) are clearly marked on individual pump nameplates.

Construction Materials	
Motor Housing, Seal Housing, Cord Cap, Volute Case, Recessed Impeller	cast iron, Class 30, ASTM A48
Power Cord w/seal probe w/o seal probe	15' 14/5 SOW/SOW-A 15' 14/4 SOW/SOW-A
Mechanical Seals - Std. Opt.	dbl. tandem carbon & ceramic tungsten carbide
Pump, Motor Shaft	416 SST
Fasteners	300 Series SST
Shredding Ring, Grinder Impeller	440 SST, 58-60 Rockwell

WHERE INNOVATION MEETS TRADITION

**Myers®**

Pentair Pump Group

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## STATOR

2 hp, 3450 RPM, 1 and 3 phase. Press fit for perfect alignment and best heat transfer. Oil-filled motor conducts heat and lubricates bearings. Class F VFD/continuous duty rated.

## CABLE ENTRY SYSTEM

Provides double seal protection. Cable jacket sealed by compression fitting. Individual wires sealed by compression grommet. Power cord can be replaced without disturbing motor.

## OVERLOAD-HEAT SENSOR

(1 phase only) Protects motor from burn-out 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.

## VOLUTE CASE

Cast iron 1 1/4" NPT vertical discharge.

## SEAL LEAK PROBE (Opt.)

Detects water in seal housing, activates warning light in control panel.

## GRINDER ASSEMBLY

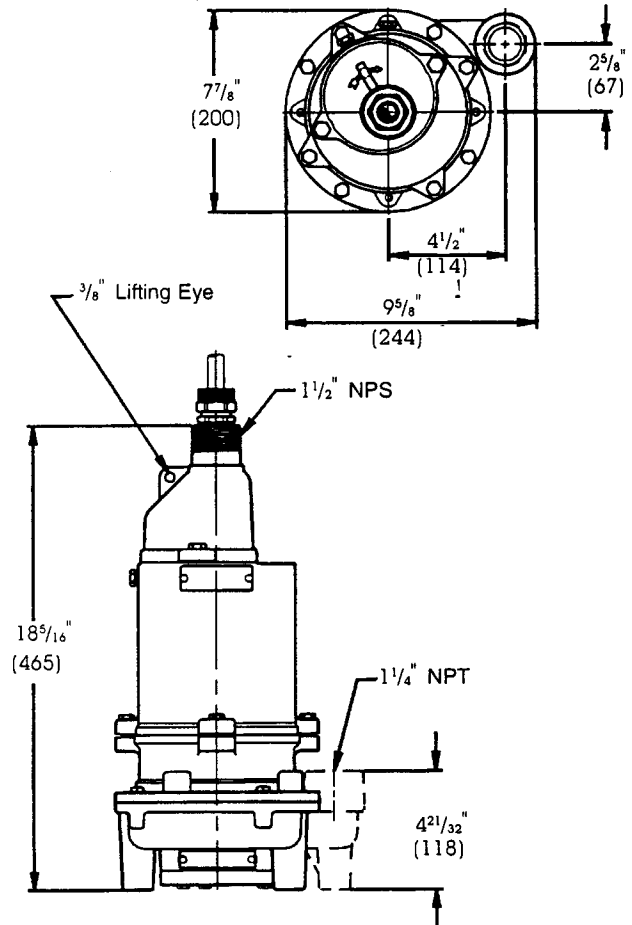
Grinder impeller and shredding ring are replaceable without dismantling pump. Constructed of 440 SST hardened to 56-60 Rockwell.

## IMPELLER

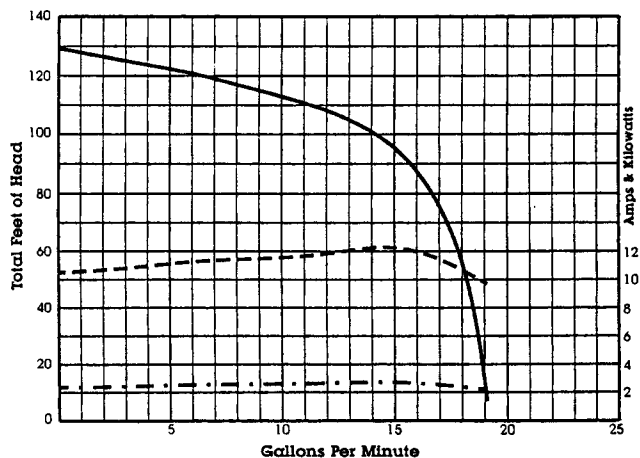
Cast iron recessed impeller handles ground slurry without clogging or binding. Provides unobstructed flow passage. Reduces radial loads. Pump-out vanes help keep trash from seal, reduces pressure at seal faces.

## DIMENSIONS

(Dimensions in MM)



## PERFORMANCE CURVE



K4007 8/01  
Printed in U.S.A.



**Myers**  
Pentair Pump Group

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