



MYERS[®]
2-15 HP WG SERIES
GRINDER PUMPS

Submersible Grinder Pumps

WG(X)20 Series

- Dual seal.
- WG(X)20 packaged for use in Class I, Group D hazardous locations.
- Heads to 105 feet and flows of 70 GPM. Standard or high flow designs.
- Recessed impeller provides steep non-overloading operating curve while reducing radial bearing loads and increasing bearing life.
- Oil-filled motor for maximum heat dissipation and constant bearing lubrication.
- High torque capacitor starts single phase motor for assured starting under heavy load.
- Seal leak probe warns of leak condition, preventing costly motor damage.
- On-winding temperature-sensitive sensor.
- Shredding ring and grinding impeller are replaceable without dismantling pump or motor.



WG(X)20 Model Only

- Optional hazardous location rail package. Brass and nonsparking system using WG Series pump and SRA system.

WG(X)30-50 Series

- Dual seal.
- WG(X)30-50 packaged for use in Class I, Group D hazardous locations.
- Heads to 92 feet and flows of 185 GPM.
- Recessed impeller provides steep non-overloading operating curve while reducing radial bearing loads and increasing bearing life.
- Oil-filled motor for maximum heat dissipation and constant bearing lubrication.
- High torque capacitor starts single phase or three phase motors for assured starting under heavy load.
- Seal leak probe warns of leak condition, preventing costly motor damage.
- On-winding temperature-sensitive sensor.
- Shredding ring and grinding impeller are replaceable without dismantling pump or motor.



WG(X)30H/50H/75H Series

- Dual seal.
- WG(X)30H/50H/75H packaged for use in Class I, Group D hazardous locations.
- Heads to 170 feet and flows of 98 GPM.
- Recessed impeller provides steep non-overloading operating curve while reducing radial bearing loads and increasing bearing life.
- Oil-filled motor for maximum heat dissipation and constant bearing lubrication.
- High torque capacitor starts single phase or three phase motors for assured starting under heavy load.
- Seal leak probe warns of leak condition, preventing costly motor damage.
- On-winding temperature-sensitive sensor.
- Shredding ring and impeller are replaceable without dismantling pump or motor.



WG(X)75HH/100H/150H Series

- Dual seal.
- WG(X)75HH/100H/150H packaged for use in Class I, Group D hazardous locations.
- Heads to 257 feet and flows of 150 GPM.
- Recessed impeller provides steep non-overloading operating curve while reducing radial bearing loads and increasing bearing life.
- Oil-filled motor for max. heat dissipation and constant bearing lubrication.
- High torque three phase motors for assured starting under heavy load.
- Seal leak probe warns of leak condition, preventing costly motor damage.
- On-winding temperature-sensitive sensor.
- Shredding ring and impeller are replaceable without dismantling pump or motor.



Submersible Grinder Pump Features

A. Sleeve Bearing

- Provides hazardous location integrity
- Absorbs radial load

B. Cable Entry System

Triple sealed cable system provides the best protection against water penetration

- Cable jacket sealed by compression grommet
- Moisture blocking connectors
- Individual wires sealed by epoxy potting

C. Oil-Filled Housings

Motor and lower seal housings

- Highest efficiency for heat dissipation
- Permanent bearing and seal lubrication
- Prevents moisture entry, condensation
- Environmentally safe

D. Premium Motor

- High efficiency
- VFD duty rated
- Overload protection
- Press fit for perfect alignment and heat transfer

E. Heat Sensor

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

F. Heavy 416 SST Shaft

- Corrosion resistant
- Reduces shaft deflection due to grinding loads

G. Impeller

- Bronze 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
- Dynamically balanced

H. Grinder Assembly

- Grinder impeller and shredding ring are replaceable without dismantling pump
- Constructed of 440 SST hardened to 58-60 Rockwell

I. Heavy-Duty Ball Bearings

Upper and lower shaft support

- Support axial and radial loads
- Smooth, quiet operation
- Minimum 50,000 hour B10 life

J. Shaft Seals

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

K. Seal Leak Probe

- Detects moisture in seal housing
- Activates warning light in control panel
- Test resistor on UL Listed models

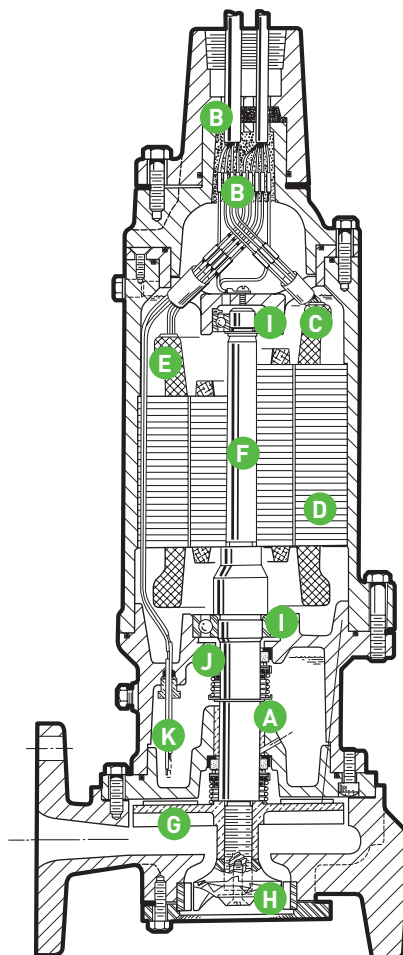
SRA Lift-Out Packages

Myers® SRA Lift-Out package makes installation and service of grinder, sewage and effluent pumps safer and easier.

- Fast and easy pump removal, no need to enter basin
- Offered with or without check valve (SRA-125CV only)
- Stainless steel brackets ensure parts will not corrode
- Positive machine fit with O-ring seal (SRA-125CV only)

System Includes:

- Mounting base, lift-out elbow, guide plate, fasteners, O-rings and check valve on SRA-125CV



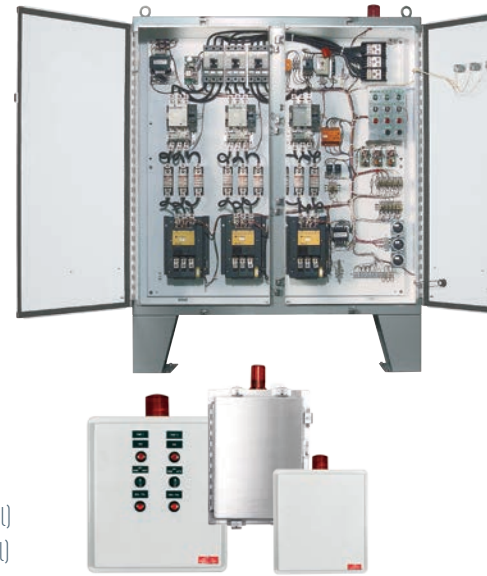
Control Panels

Why you should use Myers Custom Controls

- Quality product, leading in design, construction and engineering
- Quick delivery with virtually unlimited options
- Each control panel is custom built and individually tested
- Extensive capabilities with a wide range of features and options
- Enclosures available in Simplex / Duplex / 208-230 volt single phase / 208-575 volt three phase

Enclosure Options:

- NEMA 3R (Painted Steel)
- NEMA 4X (Fiberglass)
- NEMA 3R (Stainless Steel)
- NEMA 4X (Stainless Steel)



Standard Features

- Enclosure with lockable hasp
- Motor, control and alarm circuit breakers
- IEC rated motor starter with adjustable overload relay
- Pump run light (NEMA 4X)
- Hand-off-auto selector switch (NEMA 4X)
- Red alarm light (NEMA 4X)
- Motor thermoprotection circuit
- Terminal strip
- Schematic laminated to enclosure door
- Terminals to connect off / on / high water floats (Simplex) off / lag lead / high water floats (Duplex)
- Duplex alternator with lead pump selector
- UL 508A labeling

Optional Features

- NEMA rated starters
- Motor seal fail and indicator light circuit (required on all dual seal pumps to maintain warranty where applicable)
- Dim glow power and/or flash alarm light
- Alarm test circuit
- Elapsed time meter
- Cycle counters
- Audible alarm silence circuit
- Anti-condensate heater with integral thermostat
- Auxiliary alarm contact
- Lightning arrestor
- Alternative level controls
- Variable frequency drives
 - adjustable pump performance
 - liquid level control
- Telemetry
- Programmable controllers
- Multiple pump alternation
- Soft start
- Intrinsically safe controls
- UL 698A labeling



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