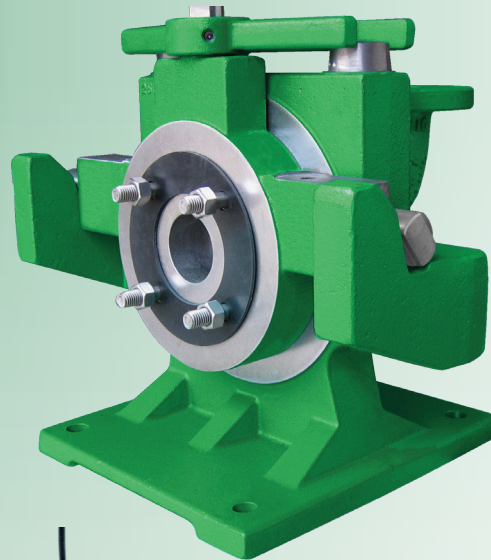




Myers®

MYERS 2-15 HP WG SERIES GRINDER PUMPS



SRA Lift-out Package &
Custom Control System



SUBMERSIBLE GRINDER PUMPS



WG20 & WGX20 SERIES



WGX20
model only

- Dual seal
- Packaged for use in Class 1, Group D hazardous locations (WGX20 model only)



WG30-50 & WGX30-50 SERIES

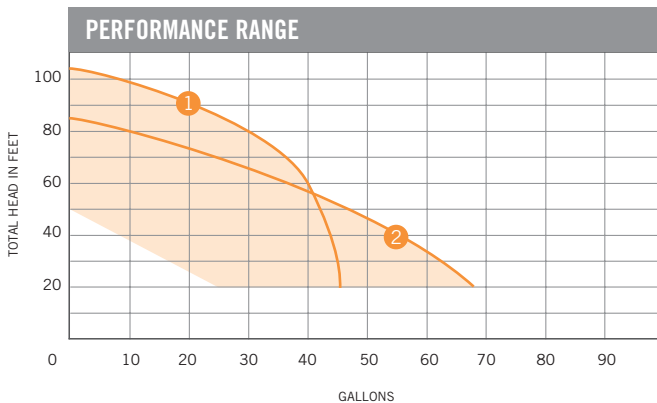


WGX30-50
model only

- Dual seal
- Packaged for use in Class 1, Group D hazardous locations

WG20 GRINDER PUMP

- Heads to 105 feet and flows of 70 GPM. Standard or high flow designs.
- Recessed impeller provides steep non-overloading operating curve.
- Oil-filled motor for max. heat dissipation and constant bearing lubrication.
- Recessed impeller reduces radial bearing loads, increases bearing life.
- High torque capacitor starts single phase motor for assured starting under heavy load.
- Seal moisture sensor warns of leak condition, prevents costly motor damage.
- On-winding temperature-sensitive sensor.
- Shredding ring and grinding impeller are replaceable without dismantling pump or motor.



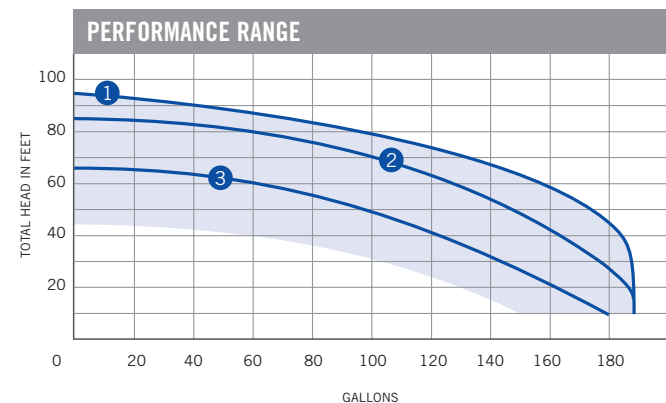
	MODEL	HP	IMPELLER	RPM
1	WG20	2	5.5"	3450
2	WG20F	2	5.0"	3450

WGX20 MODEL ONLY

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

WG30-50 & WGX30-50 GRINDER PUMPS

- Heads to 92 feet and flows of 185 GPM.
- Recessed impeller provides steep non-overloading operating curve.
- Oil-filled motor for max. heat dissipation and constant bearing lubrication.
- Recessed impeller reduces radial bearing loads, increases bearing life.
- High torque capacitor starts single phase or three phase motors for assured starting under heavy load.
- Seal leak probe warns of leak condition, prevents costly motor damage.
- On-winding temperature-sensitive sensor.
- Shredding ring and grinding impeller are replaceable without dismantling pump or motor.



	MODEL	HP	IMPELLER	RPM
1	WG50-WGX50	5	5.25"	3450
2	WG50-WGX50	5	5"	3450
3	WG30-WGX30	3	4.5"	3450

NOTE: On single phase 5 HP pumps, do not exceed 5" diameter impeller.
Other trims available upon request.

SUBMERSIBLE GRINDER PUMPS



WG30H-75H & WGX30H/50H/75H SERIES



WG30H/50H/75H model only

- Dual seal
- Packaged for use in Class 1, Group D hazardous locations



WG75HH/100H/150H & WGX75HH/100H/150H SERIES



WG75HH/100H/150H model only

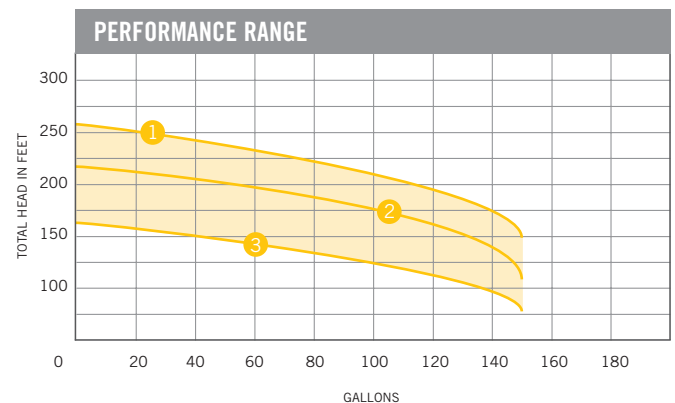
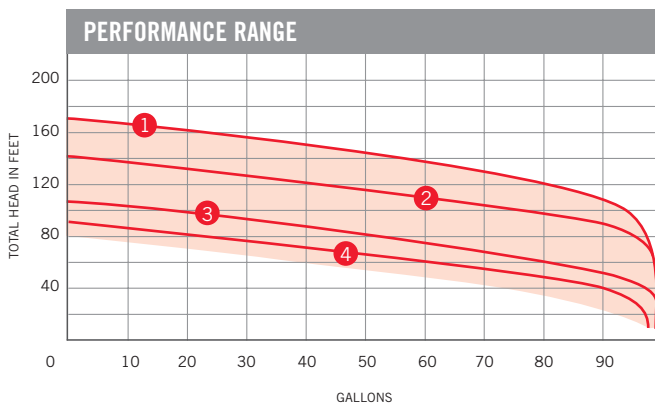
- Dual seal
- Packaged for use in Class 1, Group D hazardous locations

WG30H/50H/75H & WGX30H/50H/75H GRINDER PUMPS

- Heads to 170 feet and flows of 98 GPM.
- Recessed impeller provides steep non-overloading operating curve.
- Oil-filled motor for max. heat dissipation and constant bearing lubrication.
- Recessed impeller reduces radial bearing loads, increases bearing life.
- High torque capacitor starts single phase or three phase motors for assured starting under heavy load.
- Seal leak probe warns of leak condition, prevents costly motor damage.
- On-winding temperature-sensitive sensor.
- Shredding ring and impeller are replaceable without dismantling pump or motor.

WG75HH/100H/150H GRINDER PUMPS

- Heads to 257 feet and flows of 150 GPM.
- Recessed impeller provides steep non-overloading operating curve.
- Oil-filled motor for max. heat dissipation and constant bearing lubrication.
- Recessed impeller reduces radial bearing loads, increases bearing life.
- High torque three phase motors for assured starting under heavy load.
- Seal leak probe warns of leak condition, prevents costly motor damage.
- On-winding temperature-sensitive sensor.
- Shredding ring and impeller are replaceable without dismantling pump or motor.



WG20 CENTRIFUGAL GRINDER PUMP

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

HEAVY-DUTY CASTINGS

- High tensile strength
- Durable for extreme duty

OIL-FILLED HOUSINGS

Motor and lower seal housings

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

PREMIUM MOTOR

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

HEAT SENSOR

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

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

GRINDER ASSEMBLY

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

HEAVY-DUTY BALL BEARINGS

Upper and lower shaft support

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

HEAVY 416 SST SHAFT

- Corrosion resistant
- Reduces shaft deflection due to grinding loads

SHAFT SEALS

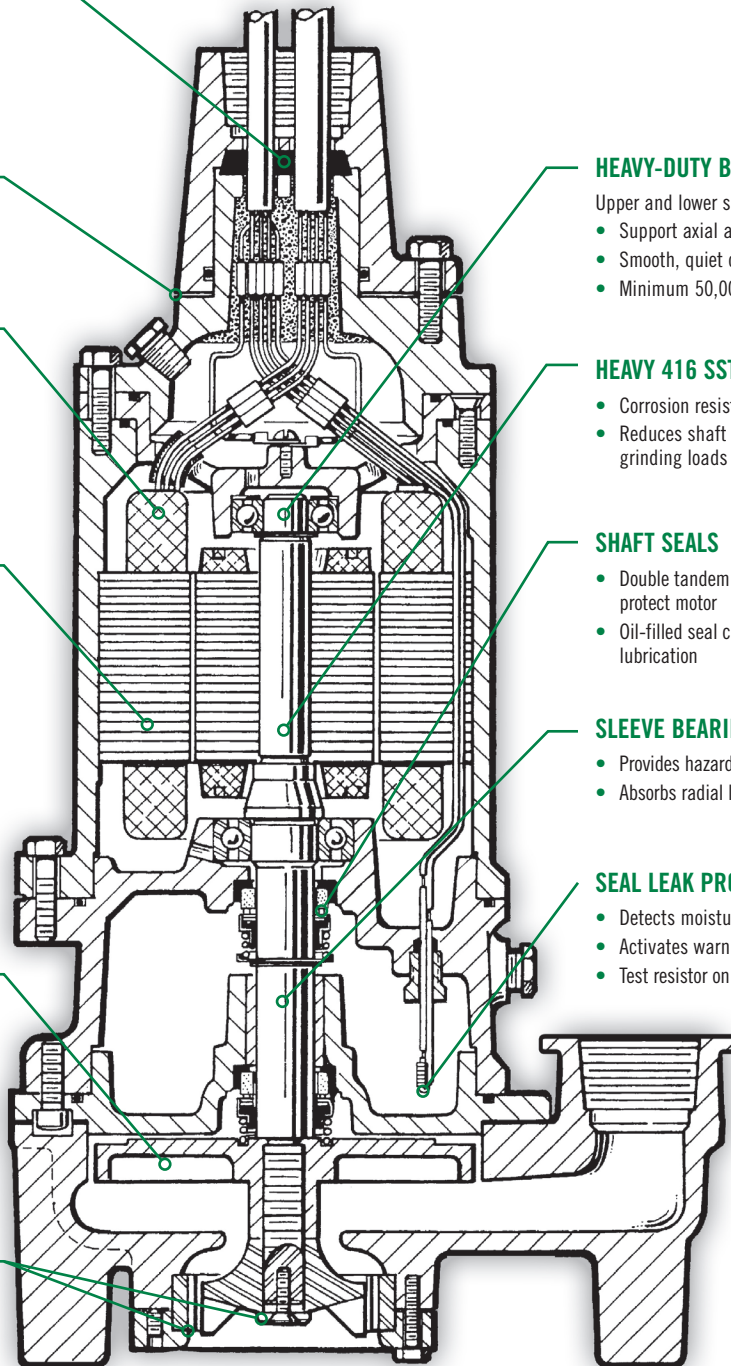
- Double tandem mechanical shaft seals protect motor
- Oil-filled seal chamber provides continuous lubrication

SLEEVE BEARING

- Provides hazardous location integrity
- Absorbs radial load

SEAL LEAK PROBE

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



WG30-150H SUBMERSIBLE GRINDER PUMP

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

HEAT SENSOR

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

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 PROBE

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

VOLUTE CASE

- Cast iron
- Horizontal discharge
- Drilled for 2.5 inch pipe flange

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

OIL-FILLED HOUSINGS

Motor and lower seal housings

- Highest efficiency for heat dissipation
- Permanent bearing and seal lubrication
- Prevents moisture entry, condensation
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HEAVY-DUTY BALL BEARINGS

Upper and lower shaft support

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

PREMIUM MOTOR

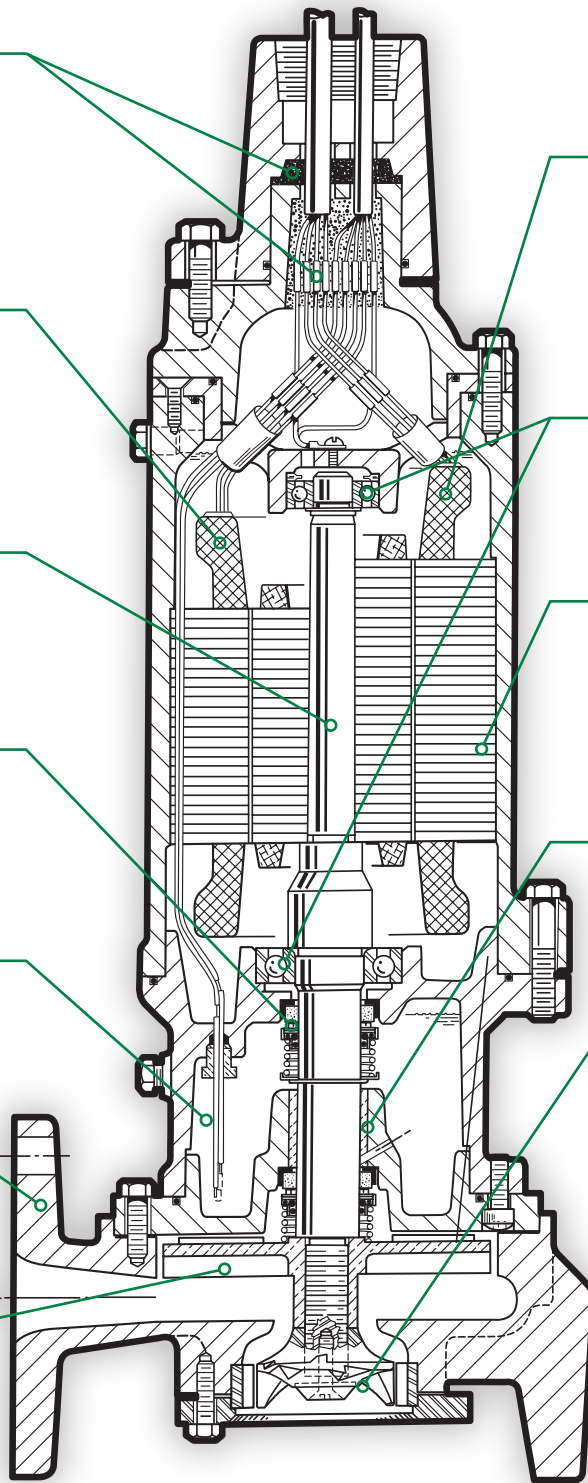
- Class H construction
- High efficiency
- VFD duty rated
- Overload protection
- Press fit for perfect alignment and heat transfer

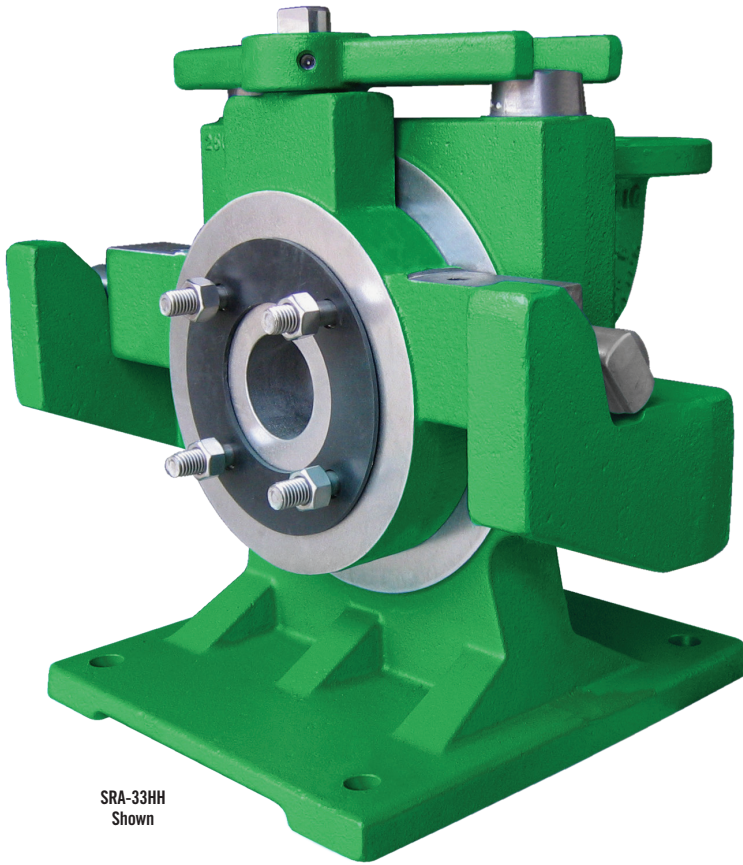
SLEEVE BEARING

- Provides hazardous location integrity
- Absorbs radial load

GRINDER ASSEMBLY

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





SRA-33HH
Shown

SRA LIFT-OUT PACKAGES

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

LIFT-OUT PACKAGE OFFERS EASE OF SERVICE & REINSTALLATION

- Fast and easy pump removal
- No need for personnel 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

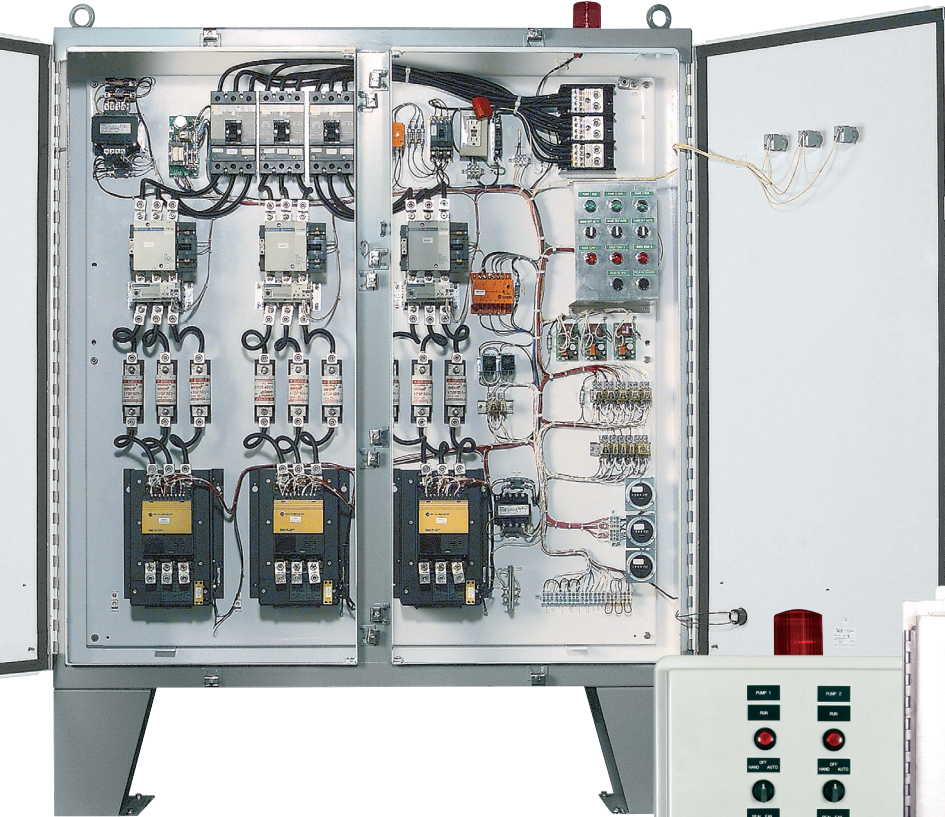
- Mounting base
- Lift-out elbow
- Check valve (SRA-125CV only)
- Guide plate
- Fasteners and O-rings

PART	SRA-125CV	SRA-33WG	SRA-33HH
Elbow Size	1.25" x 2"	2.5" x 3"	2.5" x 3"
Guide Plate	SST	SST	SST
Sealing Flange	Cast Iron**	Cast Iron**	Cast Iron**
Mounting Base	Cast Iron	Cast Iron	Cast Iron
Fasteners	SST	SST	SST
O-Ring	BUNA-N	N/A	N/A
Guide Rails*	1" SST	1.5" SST	2" SST
Top Rail Support*	TRS-100	TRS-150	TRS-2
Chain*	CP-75SST	CP-15SST	CP-20SST

* Must be ordered separately

** Nonsparking available for hazardous locations

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 for customer satisfaction
- Optimized for submersible pumps up to 125 HP
- 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 3R (Stainless Steel)
- 4X (Fiberglass)
- 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
- Other options available upon request



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