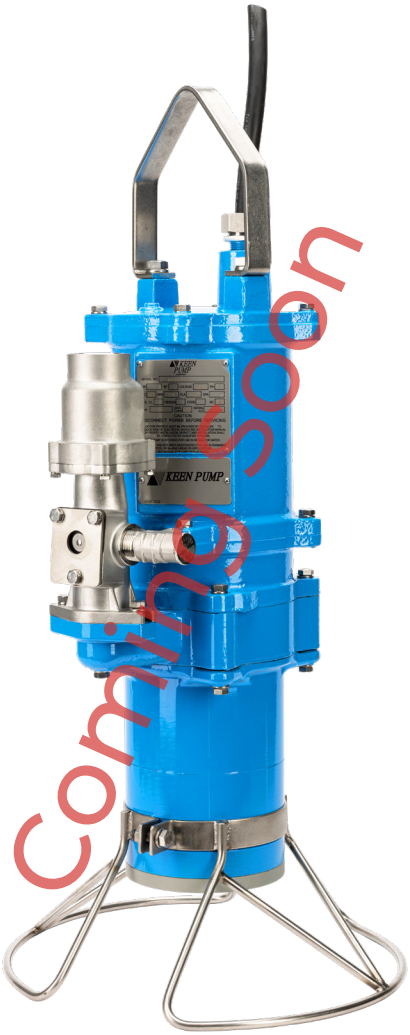


KFPLCG

PROGRESSIVE GRINDER SERIES

Best Value Pump on the Market.

"Slicer"

HIGHEST PUMP PERFORMANCE

- Flows to 30 GPM
- 21 GPM @ 75 PSI
- Higher Flow Capacities to Keep Pipe Lines Scoured and Clean
- Strong Performance at High Pressures

FIELD PROVEN RELIABILITY & LONGEVITY

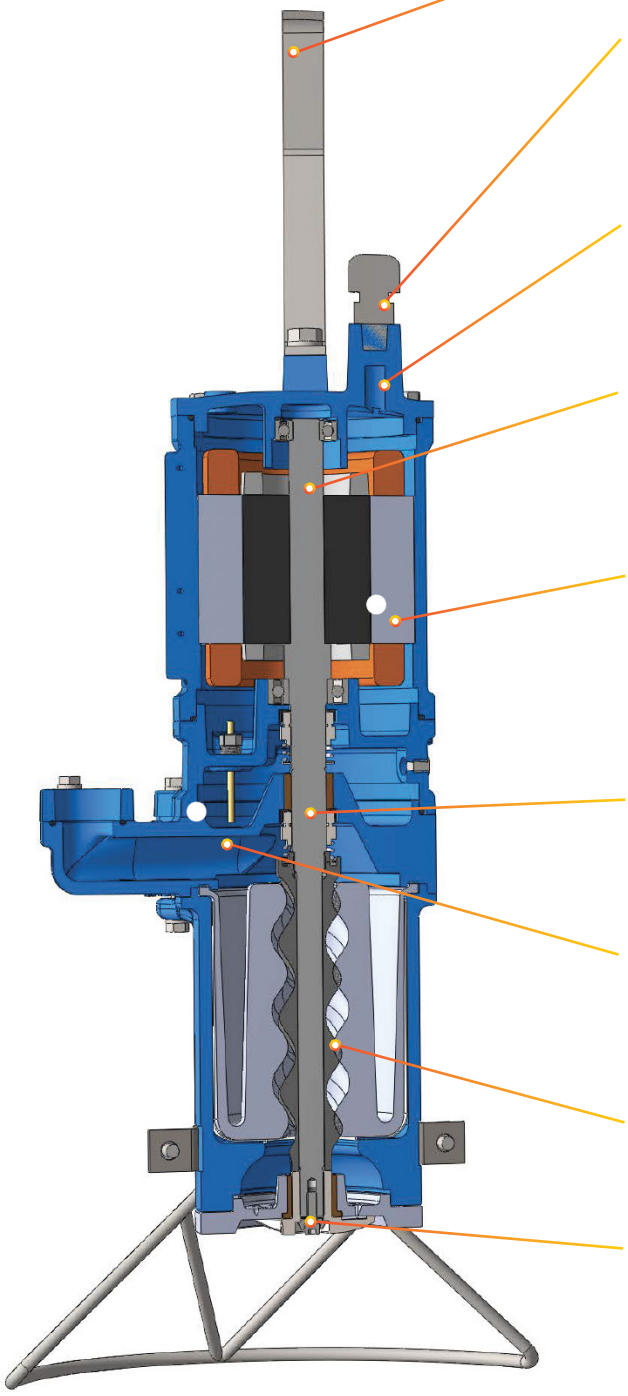
- Handles Extreme Operating Conditions
  - High Pressures
  - Long Run Times
  - Fluctuating System Requirements

ADVANCED GRINDER SLICING DESIGN

- Effectively Breaks Down Solids
- Prevents Jamming
- 100% Hardened Stainless Steel

EASY INSTALLATION

- Compact Size, Easy to Handle
- Rugged Construction
- Easily Fits into Existing Pump Stations



LIFTING HANDLE
- Stainless Steel for Non-Corrosive

BEST CABLE SEALING SYSTEM KEEPS WATER OUT
- Triple-Water Barrier Intrusion
- SST Compression Grommet
- Motor Leads, Power Cable Leads - Solder Block
- Epoxy Potting

RUGGED PUMP CONSTRUCTION
- Strongest Class 35 Iron Castings
- No Plastic Materials

- Three Bearing Design Upper /Lower Ball Bearing and Brass Sleeve Bearing
- Lower Sleeve Bearing Provides Strongest Alignment for Shaft And Motor Support

STRONGEST MOTOR DESIGN IN OUR MARKET FOR BEST PERFORMANCE, LONGEVITY IN TOUGH APPLICATIONS
- High Torque for Reliable Grinding
- High Temperature Insulation Prevents Overheating

SUPERIOR DOUBLE MECHANICAL SEAL - SILICON CARBIDE W/ VITON® ELASTOMERS
- Not Damaged by Abresive Materials

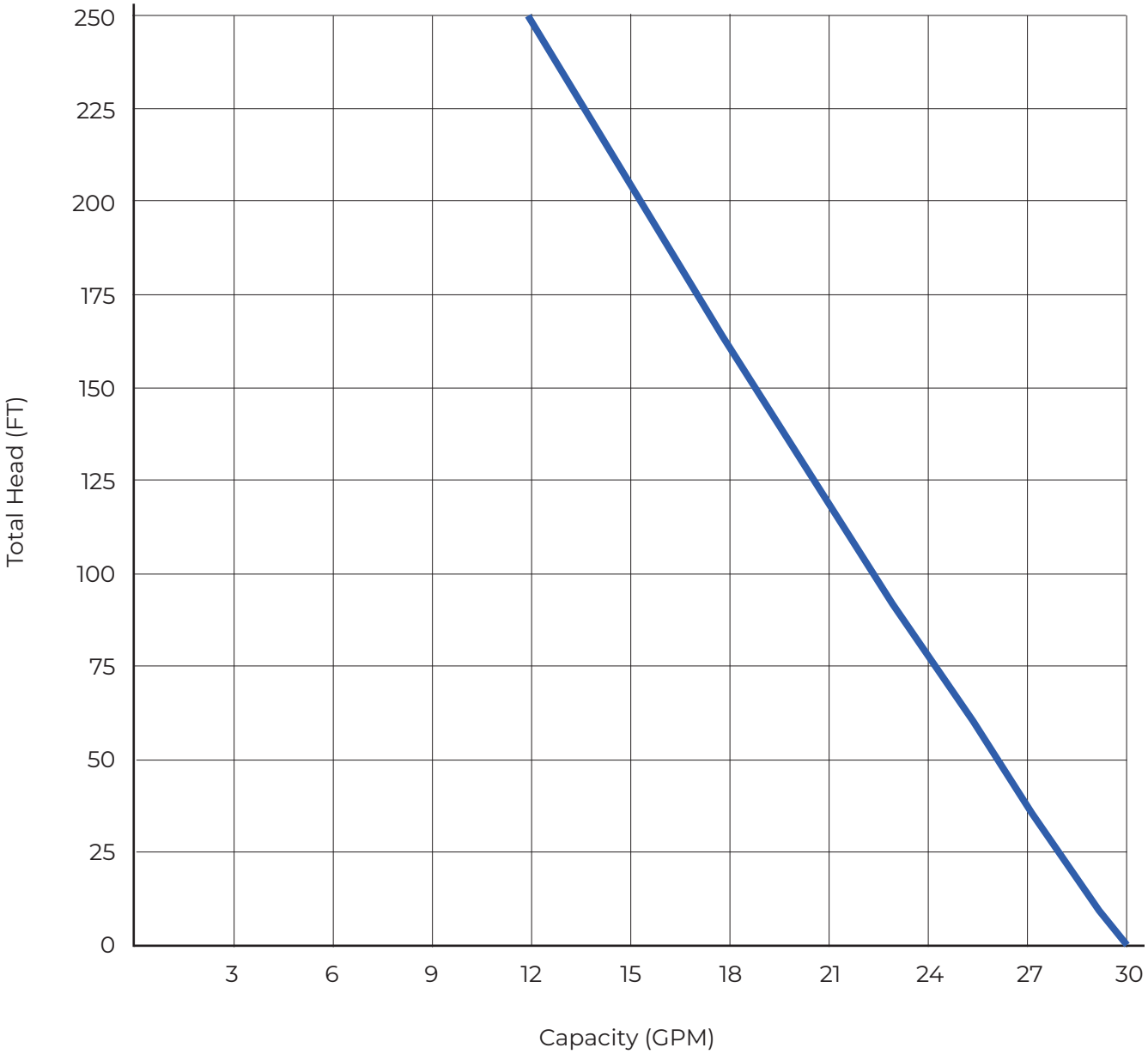
MOISTURE SENSOR
- Alerts Customer if Lower Seal Fails Via Light Inside Control Panel

DURABLE STAINLESS STEEL ROTOR WEAR-RESISTANT STATOR
- Proprietory Construction for Long Life

ADVANCED SLICING SYSTEM
- Highly Efficient Solids-Slicing
- Hardened Stainless Steel

PUMP SERIES	KFPLCG		1HP PROGRESSIVE CAVITY GRINDER	
Speed	1750 RPM	Discharge	1-1/4”	

BEST PUMP PERFORMANCE IN THE INDUSTRY!



PHYSICAL DATA	
Discharge Size	1-1/4” NPT or 2-Bolt Flange Vertical
Impeller Type	Progressive Cavity – Rotor w/ Stator
Power/Control Cable Length	30’ Standard
Paint	Blue, Powder Coat, Baked On

MOTOR CONSTRUCTION	
Motor Type	Enclosed Submersible Oil Filled
NEMA Insulation Code	Class N
Service Factor	1.2
Motor Protection	Thermal Sensors Embedded in the Windings
Maximum Stator Temperature	392°F (200°C)
Power Cord	N/A

MATERIALS OF CONSTRUCTION	
Cord Entry	Cast Iron, ASTM A48, Class 35
Motor Housing	Cast Iron, ASTM A48, Class 35
Bearing Housing	Cast Iron, ASTM A48, Class 35
Volute	Cast Iron, ASTM A48, Class 35
Rotor, Wobble	Stainless Steel
Stator, Full Lobe	EPDM Blend
Stator Liner	Nylon
Shaft	ANSI 400 Stainless Steel
Rotating “Axial” Slicer	440 SST Hardened 58-60 Rockwell C
Stationary “Axial” Slicer	440 SST Hardened 58-60 Rockwell C
Inboard Mechanical Seal	Silicon Carbide / Silicon Carbide, Viton® Elastomers
Outboard Mechanical Seal	Silicon Carbide / Silicon Carbide, Viton® Elastomers
Fasteners	304 Stainless Steel
O-Rings	Fluorocarbon
Upper Bearing	Conrad Style Single Row Deep Groove Ball Bearing 100,000 Hours, L-10
Lower Bearing	Conrad Style Single Row Deep Groove Ball Bearing 100,000 Hours, L-10
Sleeve Bearing	Bronze, Sintered

THERMAL DATA		
Maximum Liquid		140° F (60° C)
Maximum Stator		392° F (200° C)
Heat Sensor	Open:	275° F (135° C) Max. / 257° F (125° C) Min.
	Closed:	205° F (96° C) Max. / 154° F (68° C) Min.
Oil Flash Point		390° F (199° C)

ELECTRICAL DATA				
RPM	1750			
Electrical Ratings	Heat Sensor	24VDC, 5AMPS	115VAC, 5AMPS	230VAC, 5AMPS
	Seal Fail	300VAC 5mAMPS		
Voltage Tolerance	± 10%			
Start Kit				

MODEL EXTERNAL CAPS (SLICER)	HP	VOLTS	PHASE	NEC CODE	SERVICE FACTOR	FULL LOAD AMPS	START AMPS	FULL LOAD KW	FULL LOAD KVA
KFPLCG-2401		240							