



THE RIGHT PUMP FOR  
TOUGH JOBS

# SKG SERIES

## SUBMERSIBLE SOLIDS HANDLING PUMPS FOR FLUSHABLE WIPES AND OTHER HARD TO PUMP SOLIDS



- INNOVATIVE, UNIQUE PATENT-PENDING DESIGN FOR RADIAL/AXIAL SHREDDING.
- EFFICIENT, HIGH SOLIDS PASSAGE IMPELLER & VOLUTE DESIGN.
- HIGH TORQUE 4-POLE MOTOR.

## PATENT PENDING RAD-AX<sup>®</sup> DUAL SHREDDING TECHNOLOGY

# SKG SERIES

The SKG Series pumps obliterate flushable wipes and other difficult solids in wastewater applications. Featuring innovative patent-pending **Dual Shredding RAD-AX® Technology** and robust construction, the SKG Series offers optimal performance, reduced maintenance and longer life - which means significant savings.



## Superior Solids Handling Technology

- Flushable Wipes
- Rags
- Diapers
- Metal Cans
- Disposable Diapers
- Fibrous Solids
- Plastics
- Food Waste
- Sanitary Napkins
- Wash Cloths

## The Solution For Tough Applications

- Water Treatment Facilities
- Shopping Malls
- Airports
- Prisons
- Aquatic Parks
- Bus Stations
- Hospitals
- Food Processing Plants
- Research Centers
- Bottling Plants
- Campgrounds
- Industrial Parks
- Dairies
- Trailer Parks

## DUAL SHREDDING RAD-AX® TECHNOLOGY

### The RAD:

#### Radial Shredding & Mascerating

Rotating cutter bar with serrated cutting edges, traps and shreds solids against the sharp grooves of the radial cutting ring. Wipes and other fibrous debris are ripped apart with ease.



### The AX:

#### Axial Shredding & Cutting

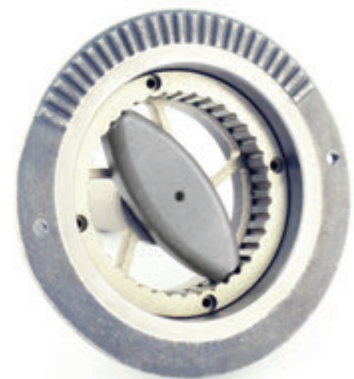
Dual cutting elements operate in tandem to multiply shearing action. As the material exits the radial shredding area, the axial cutting components shear any remaining pieces by way of multiple cutting bars. Impeller design expedites flow and hydraulic performance, preventing clogs.



### RAD-AX™

#### Construction

Features 440C Hardened SS on all shredding elements and a high torque, 4-pole motor, to ensure difficult solids are handled more efficiently. Impeller and suction cover are constructed of chrome iron for added durability, long life and trouble free performance.



## A Revolutionary Innovation For Solids Handling

# SKG SERIES

## FEATURES & BENEFITS

### **DUAL SHREDDING TECHNOLOGY (PATENT PENDING)**

(Hardened 440C Stainless Steel Cutting Components)

### **HIGH EFFICIENCY MOTOR**

(High-torque, 4-pole motor in 2, 3, & 5HP)

### **IMPELLER DESIGN & CONSTRUCTION**

(High-efficiency, 2-vane, chrome iron impeller & suction cover)

### **33 FT POWER CABLE AND SEAL MINDER CABLE**

(SOOW, UL/CSA/MSHA approved - Custom lengths available)

### **CABLE ENTRY SEALING SYSTEM**

(FKM compression fitting with SS gland nut to hold and seal cable. Individually isolated and potted power leads to prevent wicking)

### **HEAVY DUTY LIFTING RINGS**

(Reinforced for lifting and lowering of pump)

### **OVERSIZED BEARINGS & SHAFT**

(To handle extra torque and loads)

### **DOUBLE MECHANICAL SEALS**

(Oil lubricated double seal design with upper (silicon carbide vs. carbon) and lower (silicon carbide vs. silicon carbide)

### **SUPERIOR MOTOR INSULATION & SS MOTOR HOUSING**

(Class F insulation, SS motor housing for superior corrosion resistance and longer life)

### **MOTOR OVERLOAD PROTECTION**

(Protects motor from thermal and amperage overloads)

### **Seal Minder® MOISTURE DETECTION SYSTEM**

(Provides early warning to protect motor) Requires Seal Minder® relay in Control Panel.

### **FLEXIBLE DISCHARGE CONNECTION**

(ANSI flange or NPT discharge)

### **SLIDE RAIL INSTALLATIONS**

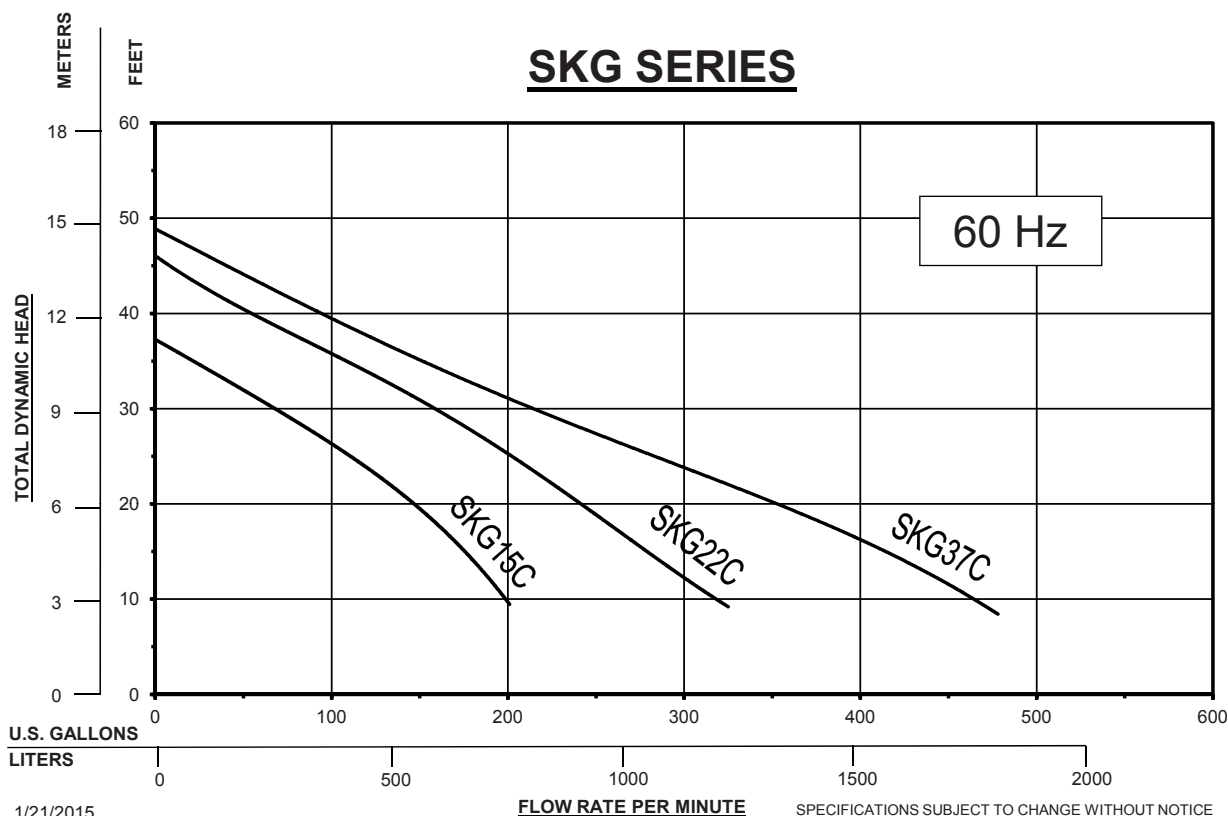
(Easily adapts to slide rails)

### **PUMP STAND**

(Can be removed for slide rail installation)



# RAD-AX<sup>®</sup> SHREDDING TECHNOLOGY



| MODEL  | DISCH. SIZE | H.P. | VOLT            | PHASE | RPM  | RATED AMPS     | MAX HEAD | MAX GPM | HEIGHT | WIDTH | PUMP-WEIGHT LBS | EST. SHIP WEIGHT LBS |
|--------|-------------|------|-----------------|-------|------|----------------|----------|---------|--------|-------|-----------------|----------------------|
| SKG15C | 3"          | 2    | 208/230/460/575 | 3     | 1750 | 6.3/6/3/2.3    | 34.5'    | 190     | 25.5"  | 21"   | 149             | 198                  |
| SKG22C | 3"          | 3    | 208/230/460/575 | 3     | 1750 | 9.45/9/4.5/3.2 | 41'      | 300     | 26.38" | 21"   | 157             | 205                  |
| SKG37C | 3"          | 5    | 208/230/460/575 | 3     | 1750 | 14.7/14/7/5.5  | 42'      | 410     | 29"    | 21"   | 185             | 235                  |

## PUMP SLIDE RAIL ASSEMBLIES

| CAST IRON | 316 STAINLESS STEEL | SIZE | PUMP SIZES    |
|-----------|---------------------|------|---------------|
| SR80-ANSI | SRX80SS-ANSI        | 3"   | 15C, 22C, 37C |

High Temperature SKG pumps also available. See BJM's **FAHRENHEIT<sup>®</sup>** Series.

SPECIFICATION SUBJECT TO CHANGE WITH OUT NOTICE

WARNING: NOT FOR USE IN ANY FLAMMABLE LIQUIDS



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