

## SEWAGE GRINDER SUBMERSIBLE PUMPS



UM/UAGN1000/32/1  
UM/UAGN1000/32/3  
UAGN1000/32/1-FSLC

UM/UAGN1500/32/1  
UAGN1500/32/3  
UAGN1500/32/1-FSLC

UMGN1500/32/3  
UMGN2200/32/3



UMGN1500/SEG/1  
UMGN1500/SEG/3  
UMGN2200/SEG/3



UMGN2200/50/3  
UMGN3700/50/3



GUIDE RAIL SYSTEM

### FEATURES

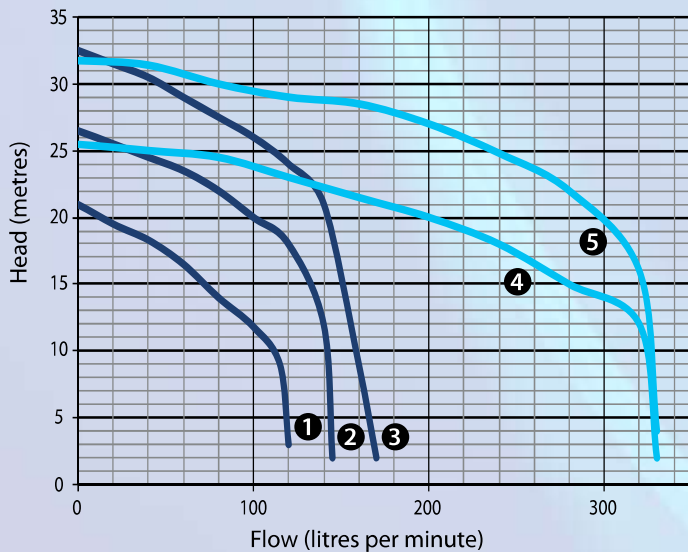
- CE & ISO 9001 certified
- All metal construction
- Dual mechanical seal + lip seal in oil bath
- Silicon carbide faces to lower seal
- Double bearing at lower end of electric motor
- Capacitors & relays for 240 volt models are built in motor cap
- Can be installed with a guide rail system
- Anti-wicking, epoxy filled cabled gland

### APPLICATIONS

#### GRIND AND PUMP

- Raw sewage
- Non-abrasive sludges & slurries
- Agricultural liquid wastes
- Trade waste disposal
- Liquid with soft solids
- For applications with high static heads &/or long distances

### PERFORMANCE CURVES



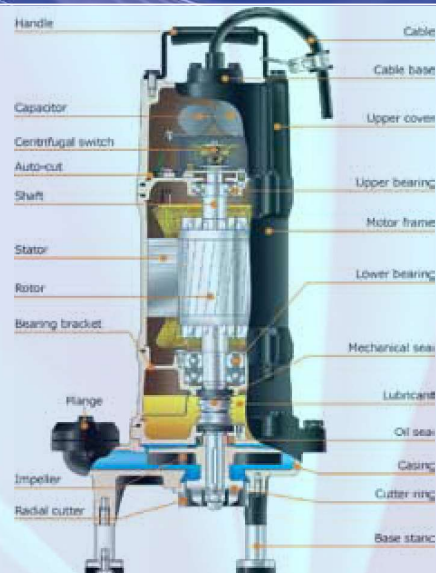
- |  |                                    |
|--|------------------------------------|
| 1. UM/UAGN1000/32/1, UM/UAGN1000/32/3,<br>UAGN1000/32/1-FSLC               | 3. UMGN2200/32/3<br>UMGN2200/SEG/3 |
| 2. UM/UAGN1500/32/1, UM/UAGN1500/32/3<br>UAGN1500/32/1-FSLC, UMG1500/SEG/1 | 4. UMGN2200/50/3                   |
|  | 5. UMGN3700/50/3                   |

### GRINDER & GRINDER RING



Grinder & grinder ring are heat treated stainless steel, hardened to 55-60 Rockwell 'C'

### CROSS-SECTION





# SEWAGE GRINDER SUBMERSIBLE PUMPS

## MATERIALS

<b>POWER CABLE</b>	HO7RN
<b>HANDLE</b>	304 grade stainless steel
<b>MOTOR CAP &amp; CASING</b>	Cast iron
<b>SEAL HOUSING</b>	Cast iron
<b>DUAL MECHANICAL SEAL</b>	Silicon carbide faces to lower seal, carbon ceramic faces to upper seal, nitrile elastomers
<b>LIP SEAL</b>	Nitrile
<b>IMPELLER</b>	Cast iron
<b>CASING &amp; COVER PLATE</b>	Heat treated stainless steel hardened to Rockwell 'C'
<b>SHAFT</b>	304 grade stainless steel
<b>FASTENERS</b>	304 grade stainless steel

## ELECTRICAL DATA

<b>MODEL</b>	<b>VOLTS</b>	<b>kw</b>	<b>FULL LOAD AMPS</b>	<b>RPM</b>	<b>IP</b>	<b>CABLE LENGTH</b>
UMG/UAGN1000/32/1 (& FSCL)	240	1.0	6.4	2900	68	10m
UMG/UAGN1000/32/3	415	1.0	2.3	2900	68	10m
UMG/UAGN1500/32/1 (& FSCL)	240	1.5	9.8	2900	68	10m
UMG/UAGN1500/32/3	415	1.5	3.4	2900	68	10m
UMGN1500/SEG/1	240	1.5	9.8	2900	68	10m
UMGN1500/SEG/3	415	1.5	3.4	2900	68	10m
UMGN2200/32/3	415	2.2	4.8	2900	68	10m
UMGN2200/SEG/3	415	2.2	4.8	2900	68	10m
UMGN2200/50/3	415	2.2	5.2	2900	68	10m
UMGN3700/50/3	415	3.7	7.7	2900	68	10m

## DIMENSIONS & WEIGHT

<b>MODEL</b>	<b>DISCHARGE</b>	<b>LENGTH</b>	<b>WIDTH</b>	<b>HEIGHT</b>	<b>WEIGHT</b>
UMG/UAGN1000/32/1	32mm	249mm	177mm	555mm	28kg
UMGN1000/32/3	32mm	249mm	177mm	530mm	25kg
UAGN1000/32/3	32mm	249mm	177mm	555mm	28kg
UAGN1000/32/1-FSCL	32mm	299mm	177mm	555mm	28kg
UMG/UAGN1500/32/1	32mm	285mm	203mm	597mm	36kg
UAGN1500/32/3	32mm	285mm	203mm	597mm	36kg
UMGN1500/32/3	32mm	285mm	203mm	546mm	33kg
UAGN1500/32/1-FSCL	32mm	335mm	203mm	597mm	36kg
UAGN1500/SEG/1	DN40	255mm	203mm	596mm	36kg
UMGN1500/SEG/3	DN40	255mm	203mm	546mm	33kg
UMGN2200/32/3	32mm	285mm	203mm	546mm	35kg
UMGN2200/SEG/3	DN40	255mm	203mm	546mm	35kg
UMGN2200/50/3	50mm	393mm	243mm	543mm	51kg
UMGN3700/50/3	50mm	393mm	243mm	543mm	53kg