



10K Muffin series Monster®

Overview

The 10K Series Muffin Monster is a compact grinder, tough on solids in sludge and sewage applications. It fits into areas with limited space requirements while still providing the necessary power for downstream protection. This simplified design makes it a best cost solution to your sludge and sewage pumping problems.

The 10K Series Muffin Monster incorporates a 7-1/4" (185 mm) twin shafted cutter stack as well as top and bottom mechanical seal assemblies. This unit reliably grinds down any solids to protect downstream pumps, heat exchangers, centrifuges or other critical equipment.

The In-Line 10K Muffin Monster is available with 4" (100 mm) and 6" (150 mm) pipe sizes and flush ports. The Open Channel 10K Muffin Monster adapts easily to channel applications and can also be fitted with a stainless steel frame for wall installation in wet wells and pump stations.

The 10K Muffin Monster uses a 1.5kW or optional 2.2kW gear motor (25:1) and has a maximum flow up to 35 l/s.



Cutter Stack



10K Series In-Line



Features & Benefits

Single Piece In-line Housing

- Single housing for ease of installation in existing pipe work
- Flanges drilled to ANSI Class 150

Seal Assemblies

- Hex driven cartridge assembly rated to 90 psi (6 bar) operating pressure

Twin Shaft Cutter Assembly

- Low speed high torque grinding
- Top and bottom bearings prevent shaft deflection and wear

Optional Controller

- PLC based controller to sense overload and auto reverse to prevent blockage



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10K In-Line Muffin Monster

Materials of Construction

Housings: Ductile Iron

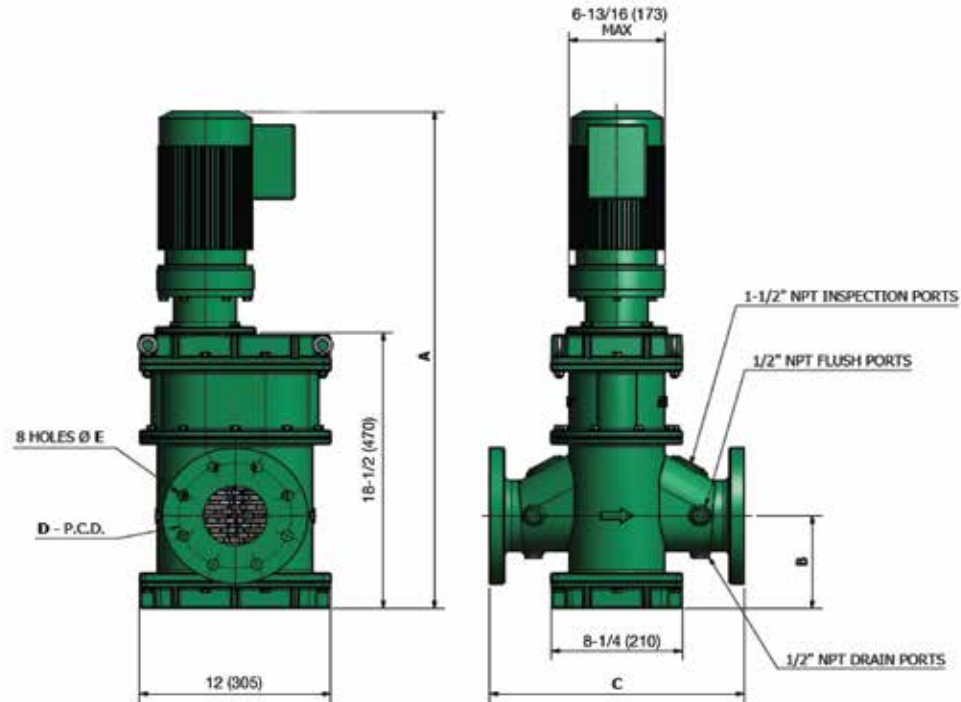
Cutters: Hardened alloy steel

Shafts: Hardened alloy steel

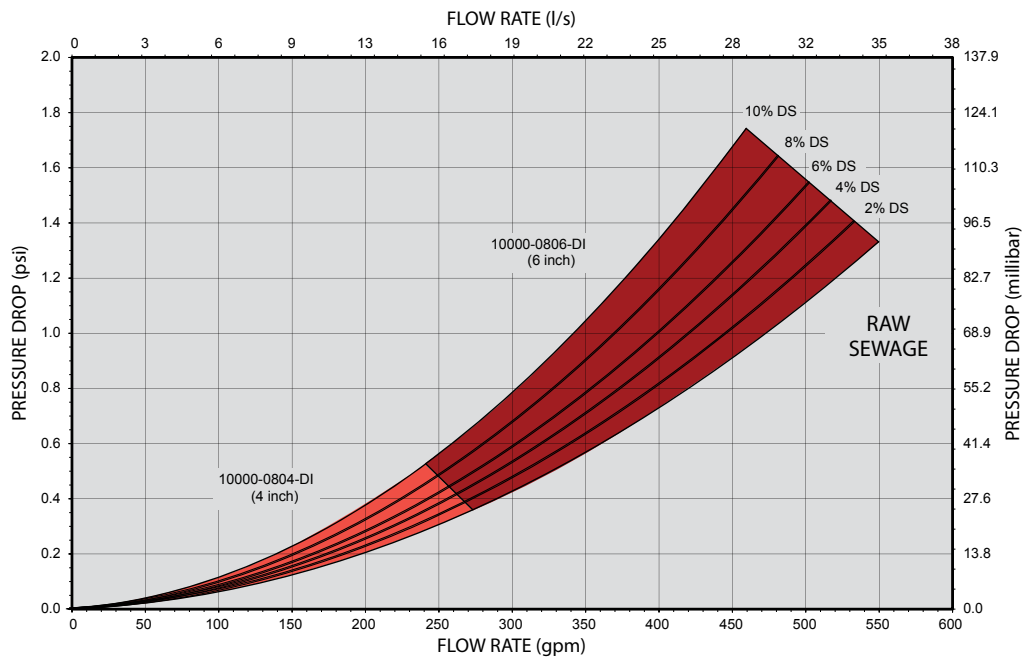
Mechanical Seals: Tungsten Carbide faces

Options

- Hazardous area motors available.
- 2 hp (1.5kW) or 3 hp (2.2kW) motor available.
- BS, JIS and JWA flanges.



MODEL 10000



Performance Capability

| Model | Flow Rate* - GPM (M ³ /hr) | Pipeline Size - inches (mm) | Pressure Drop - PSI (bar) | Standard Dimensions - inches (mm) | | | | Flange Dimensions - inches (mm) | | Approximate Net Weight - lbs (kg) |
|---------------|---|--------------------------------------|---------------------------------|--------------------------------------|---------------------|-------------|----------|------------------------------------|----------|---|
| | | | | A - 2 hp (1.5kW) | A - 3 hp (2.2kW) | B | C | D | E | |
| 10000-0804-DI | 274 (62) | 4 (100) | 0.03 | 33-7/16 (850) | 35-7/16 (900) | 6-1/4 (158) | 16 (406) | 7-1/2 (180) | 3/4 (19) | 303 (137) |
| 10000-0806-DI | 550 (125) | 6 (150) | 0.09 | 33-7/16 (850) | 35-7/16 (900) | 7-1/4 (184) | 19 (483) | 9-1/2 (240) | 7/8 (23) | 323 (147) |

* 0-2% solids In-Line unit typically installed prior to suction side of pump • Consult factory for analysis of application • Drive dimensions are a maximum based on a unit with 3 hp (2.2 kW) gear motor.

10K Open Channel Muffin Monster

Materials of Construction

Housings: Ductile Iron

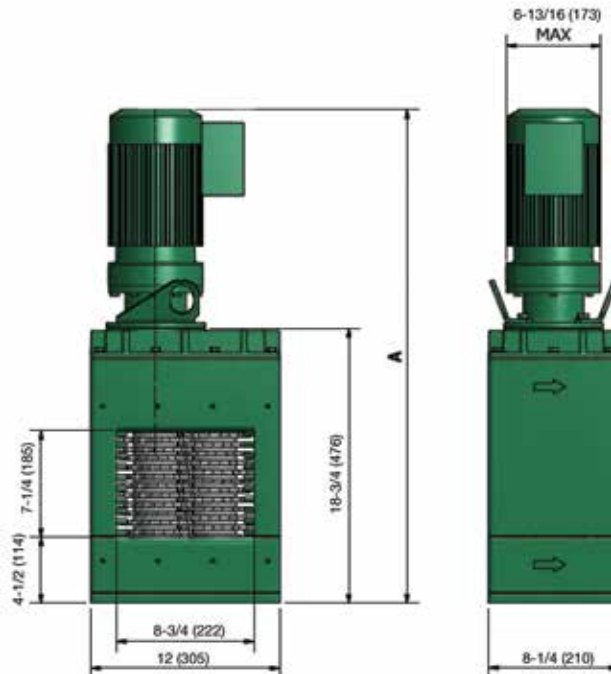
Cutters: Hardened alloy steel

Shafts: Hardened alloy steel

Mechanical Seals: Tungsten Carbide faces

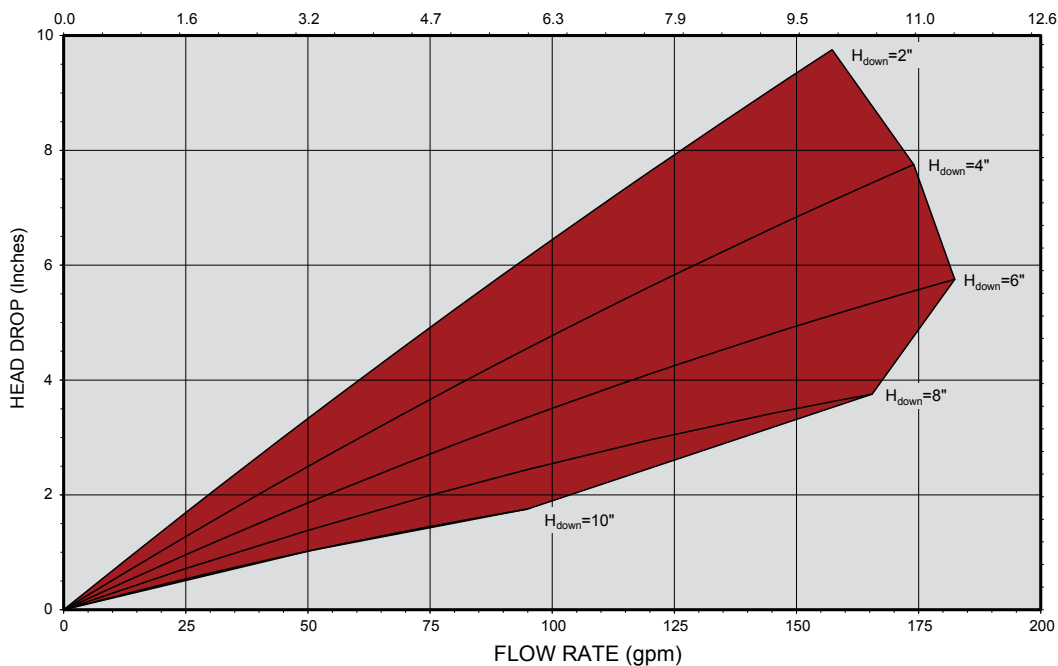
Options

- Hazardous area motors available.
- 2 hp (1.5kW) or 3 hp (2.2kW) motor available.
- Channel and Wall mounting frames.
- Extended shafts to 8 ft (2.4m).



MODEL 10002

FLOW RATE (l/s)



Performance Capability

| Model | Flow Rate* - GPM (M ³ /hr) | Standard Dimensions - inches (mm) | | Approximate Net Weight - lbs (kg) |
|---------------|--|--------------------------------------|------------------|---|
| | | A - 2 hp (1.5kW) | A - 3 hp (2.2kW) | |
| 10002-0008-DI | 180 (42) | 33-11/16 (856) | 35-11/16 (906) | 338 (153) |

* 0-2% solids In-Line unit typically installed prior to suction side of pump • Consult factory for analysis of application
• Drive dimensions are a maximum based on a unit with 3 hp (2.2 kW) gear motor.

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