



# 10K Muffin series Monster®

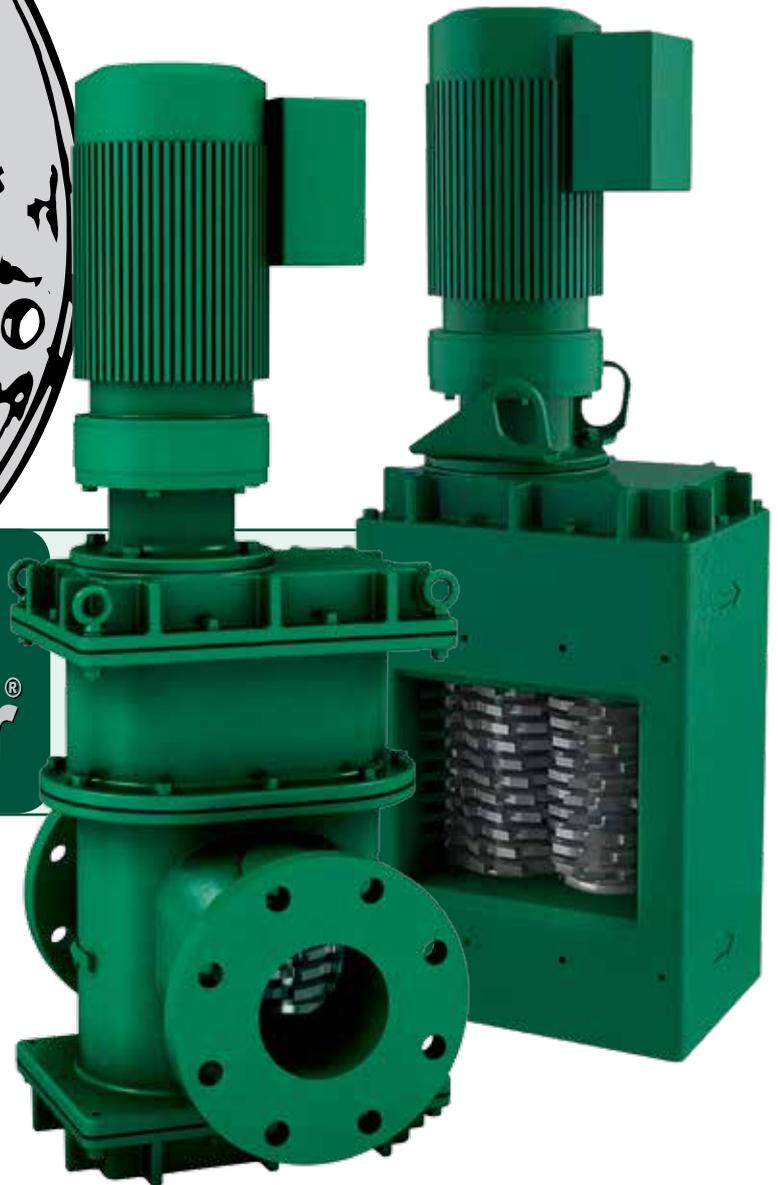
## Overview

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 175mm 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 10K In-Line Muffin Monster is available with 100 mm and 150 mm pipe sizes and flush ports. 10K Open Channel Muffin Monster adapts easily to channel applications and can also be fitted with a stainless steel frame for installation in wet wells and pump stations.

The 10K Series 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 Sludge line

## Features & Benefits

### Single piece In-line housing

- Single housing for ease of installation in existing pipe work
- Flanges drilled to Pn16

### Seal Assemblies

- Hex driven cartridge assembly rated to 6 bar operating pressure

### Twin shaft cutter assembly

- Low speed high torque grinding
- Top and bottom seals eliminate 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

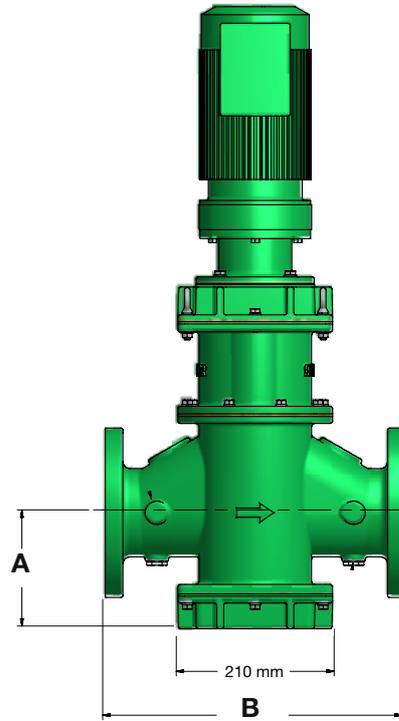
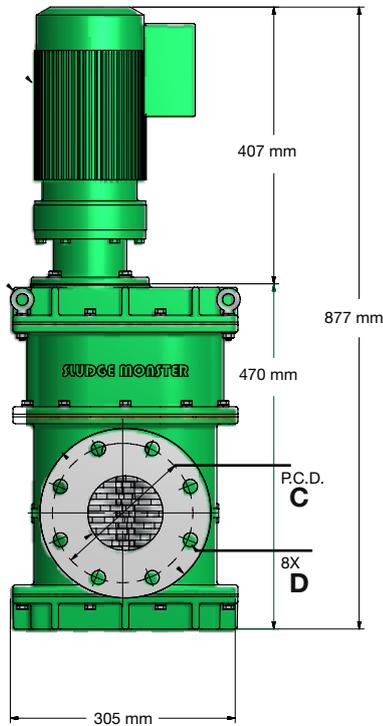
**Cutters:** Hardened alloy steel

**Shafts:** Hardened alloy steel

**Mechanical Seals:** Tungsten Carbide faces

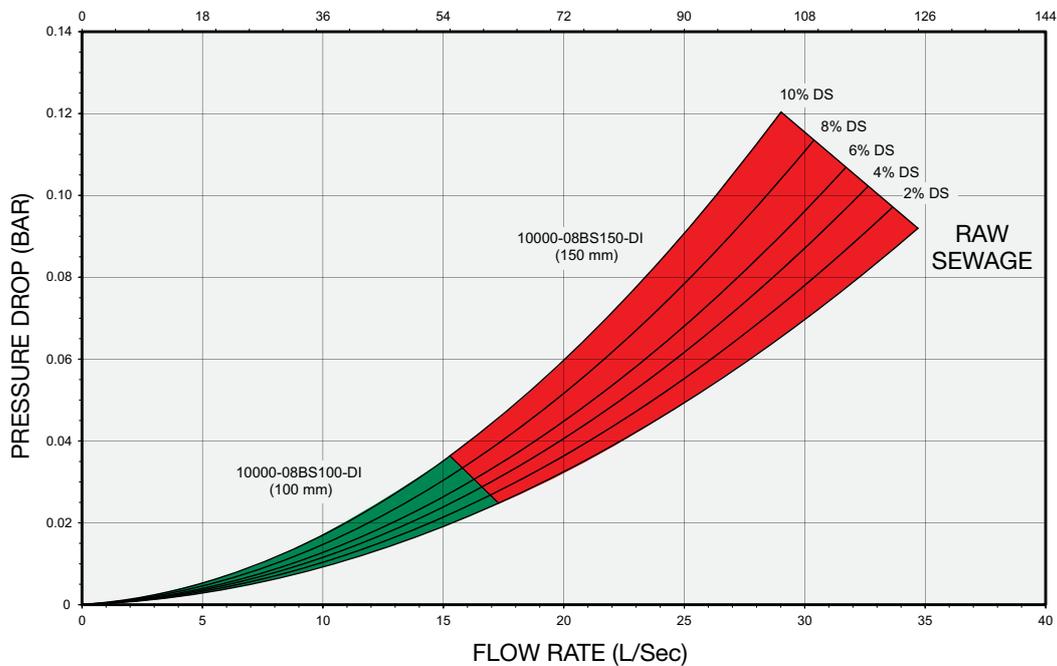
## Options

- Flush ports for rinsing cutters prior to maintenance.
- Explosion proof motor and controller available.
- 1.5kW or 2.2kW motor available.



### MODEL 10000

FLOW RATE (M<sup>3</sup>/hr)



## Performance Capability

Model	Configuration	Pipe Size	Flange Dimensions				Max Pressure Bar	Maximum Flow Rate* M <sup>3</sup> /hr	Approximate Net Weight kg
			A	B	C	D			
10000-B100-DI	In-line	100 mm	158 mm	406 mm	180 mm	18 mm	6	62	138
10000-B150-DI	In-line	150 mm	184 mm	483 mm	240 mm	22 mm	6	126	145

\* 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 a 2.2 kW drive.

# 10K Open-Channel Muffin Monster

## Materials of Construction

**Housings:** Ductile Iron

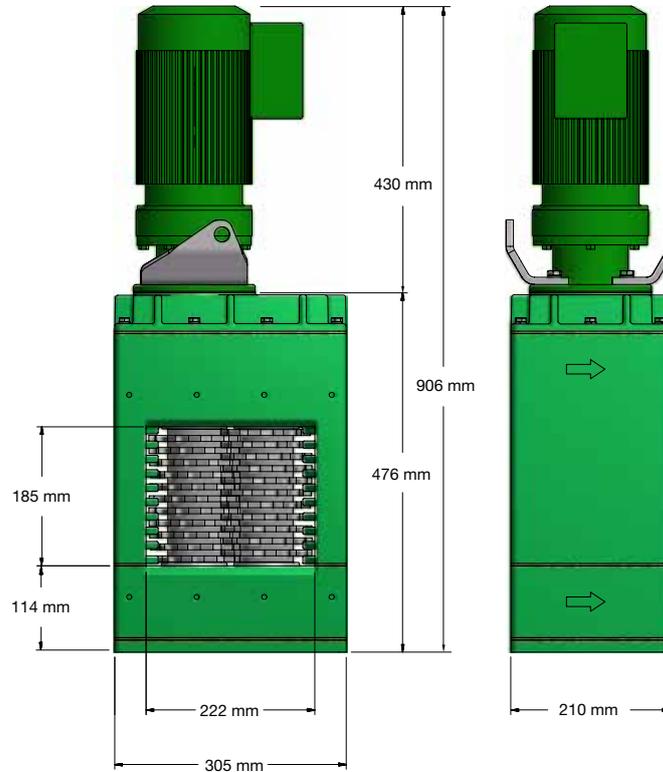
**Cutters:** Hardened alloy steel

**Shafts:** Hardened alloy steel

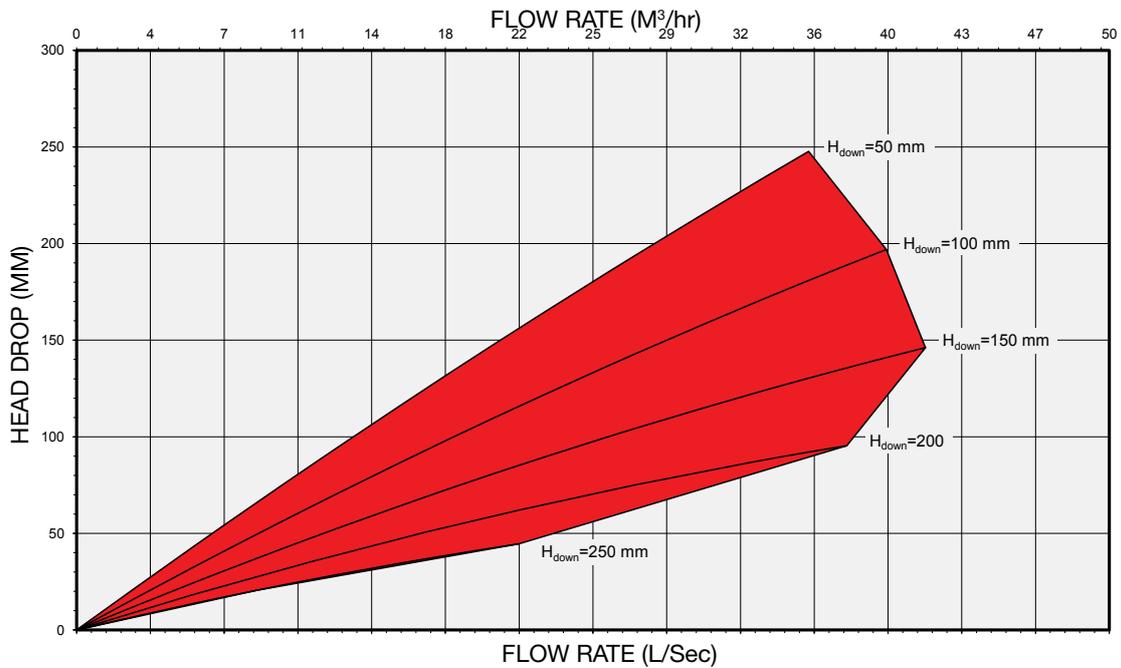
**Mechanical Seals:** Tungsten Carbide faces

## Options

- Custom stainless steel frames for mounting.
- Explosion proof motor and controller available.
- 1.5kW or 2.2kW motor available.



### MODEL 10002



## Performance Capability

Model	Configuration	Max Pressure Bar	Maximum Flow Rate* M <sup>3</sup> /hr	Approximate Net Weight kg
10002-0008-DI	Channel	6	41	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 a 2.2 kW drive.

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