

# Grinder - 10000 Muffin Monster® - Inline series

**SULZER**

The 10000 Muffin Monster sewage grinder is designed to protect pumps and other equipment by grinding down the toughest wastewater solids. Its dual-shafted, slow speed, high-torque design shreds tough solids that typically cause problems in the wastewater treatment process system. Its compact design fits into areas with limited space while providing the necessary power for downstream protection.

## Construction

- Inline pipe configuration
- Pipe flange diameters of 100 mm and 150 mm
- Hardened alloy steel cutters (standard), 120 mm diameter
- Ductile iron housings
- Hardened alloy steel shafts, 50 mm hex
- Mechanical seals with tungsten carbide faces, 6 bar working pressure

## Performance

- Flow rates up to 125 m<sup>3</sup>/hr

## Applications

- Sludge lines
- Pump stations
- Private facility discharge to municipal sewer system
- Prison sewage system protection
- Industrial wet waste grinding and maceration

## Monster Renew grinder

In place of repairing a worn grinder, choose a Monster Renew unit. Sulzer provides a new, factory-built grinder cartridge to replace the worn grinder cartridge. Remove the motor and reducer from the worn unit, install the motor and reducer on the Monster Renew unit, and install the new assembly in place of the worn unit. Benefits include:

- Minimizes operational downtime
- Quick turnaround
- All new parts
- Great time to upgrade unit
- Full factory warranty on the Monster Renew grinder cartridge

## Muffin Monster grinder cutters

Tooth count	Thickness	Material
11-tooth	8 mm	Hardened alloy steel
13-tooth	5.5 mm	Hardened alloy steel
17-tooth Wipes Ready®	11 mm	Hardened alloy steel



## Muffin Monster motor assembly

- 1.5 kW gear motor standard, 2.2 kW gear motor optional
- Optional explosion proof and immersible electric motors available
- 25:1 reducer, cycloidal design

## Muffin Monster controller

- Ensures maximum grinding ability with minimum stoppage
- Designed and programmed for specified motor

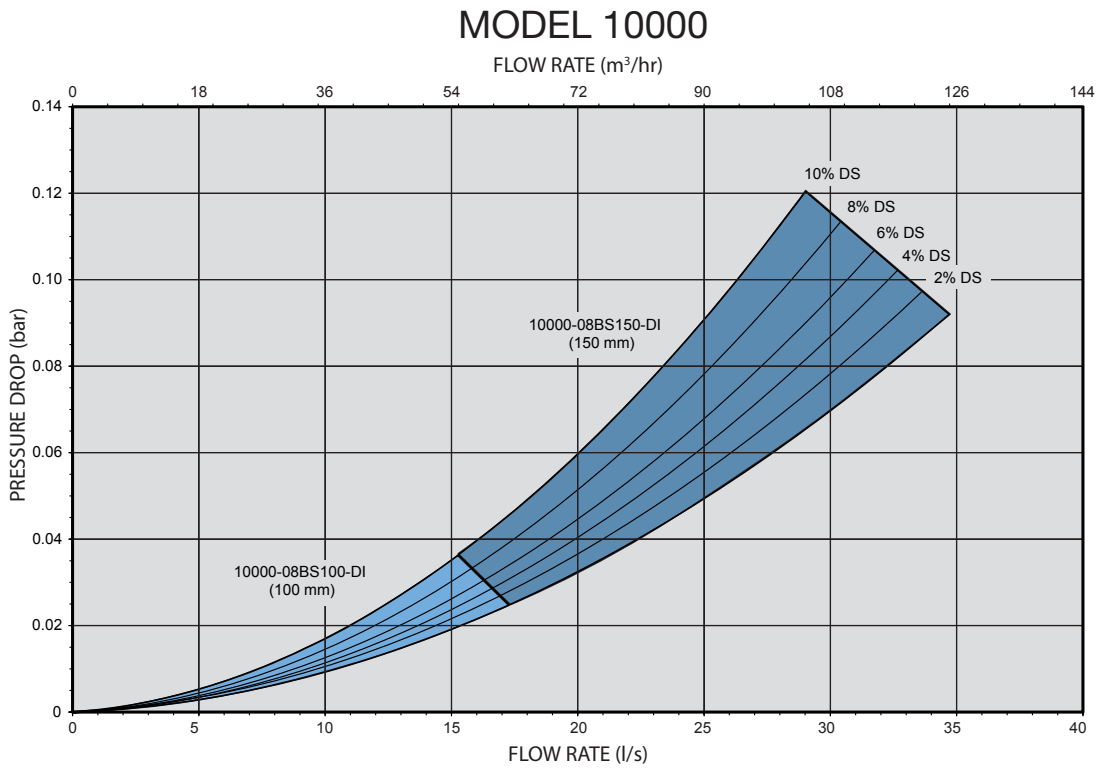
## Muffin Monster grinder materials

Part	Standard
Housings	Ductile iron
Cutters	Hardened alloy steel
Shafts	Hardened alloy steel
Mechanical seals	Tungsten carbide faces
Gaskets	Cork and rubber

For guidance in selecting a 10000 Muffin Monster, please contact Qmax Pumping.

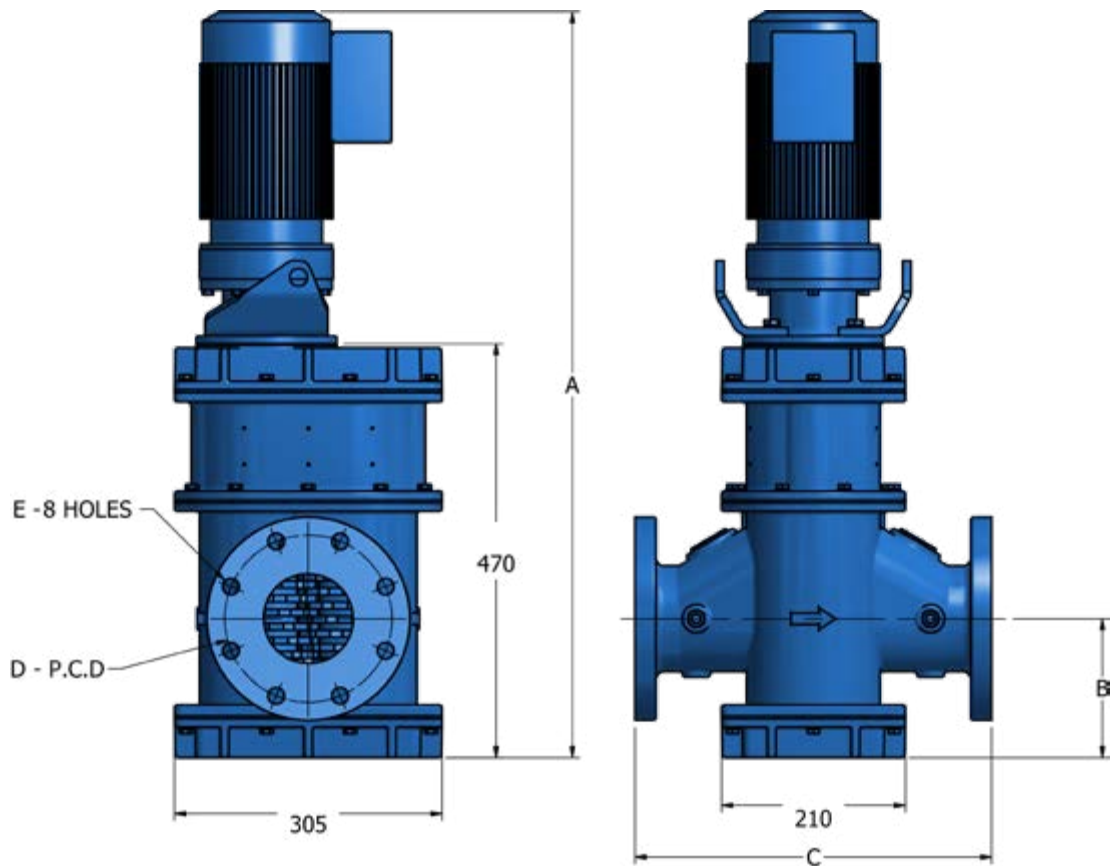


# Performance curves



DS = dissolved solids

## Dimensions (mm)



Inline model	Flow rate <sup>1</sup> - m <sup>3</sup> /hr	Pipeline size - mm	Pressure drop - bar	Standard dimensions <sup>2</sup> - mm				Flange dimensions - mm		Approximate net weight - kg
				A (IP55)	A (IP68)	B	C	D	E	
10000-B100-DI	62	100	0.03	1010	1160	158	406	180	19 (M16)	137
10000-B150-DI	125	150	0.09	1010	1160	184	483	240	23 (M20)	147

1. 0-2% solids. In-Line unit typically installed prior to suction side of pump. Consult factory for analysis of application.

2. Drive dimensions are a maximum based on a unit with a 2.2 kW drive.

