

# Grinder - 40002 Muffin Monster® - Inline series

**SULZER**

The 40002 Muffin Monster excels in wet and dry grinding applications. It protects pumps and other sensitive equipment by grinding down the toughest wastewater solids. Its powerful, dual-shafted, slow speed, high-torque design shreds the toughest solids.

## Construction

- Inline pipe configuration
- Pipe flange diameters from 300 mm to 500 mm
- Hardened alloy steel cutters (standard), 190 mm diameter
- Ductile iron housings
- Hardened alloy steel shafts, 64 mm hex
- Mechanical seals with tungsten carbide faces, 10.3 bar maximum dry working pressure

## Performance

- Flow rates up to 1558 m<sup>3</sup>/hr

## Applications

- Large 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 motor assembly

- 7.5 kW power
- Optional explosion proof and immersible motors available
- 35:1 reducer, cycloidal design

## Muffin Monster controller

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

## Muffin Monster grinder cutters

Tooth count	Thickness	Material
11-tooth	11 mm	Hardened alloy steel

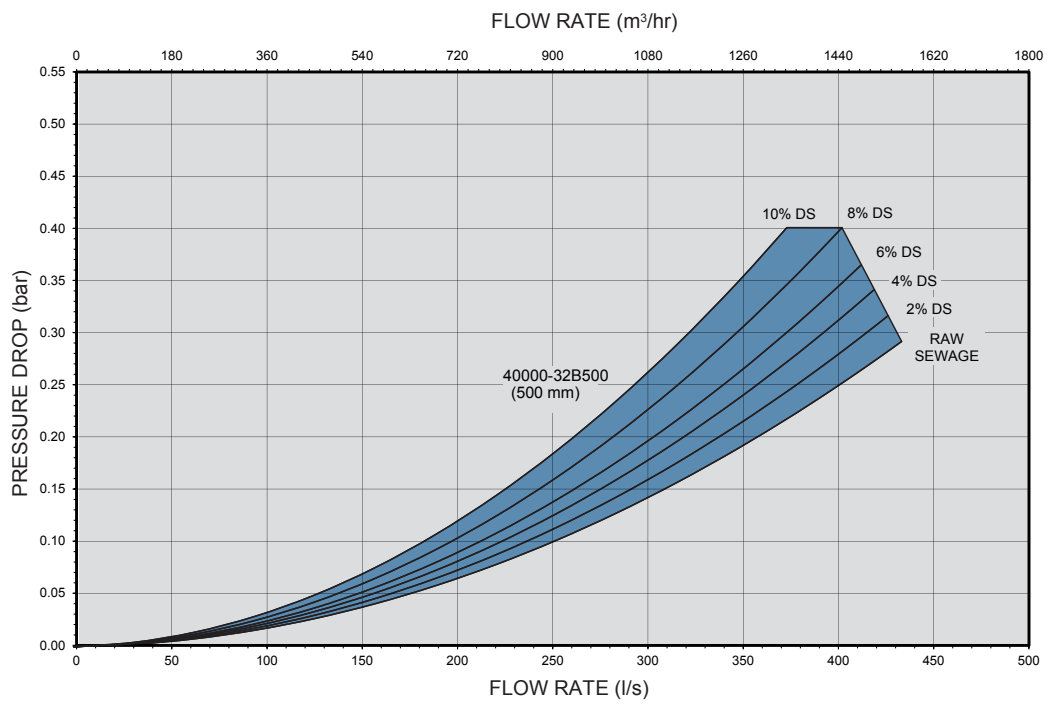
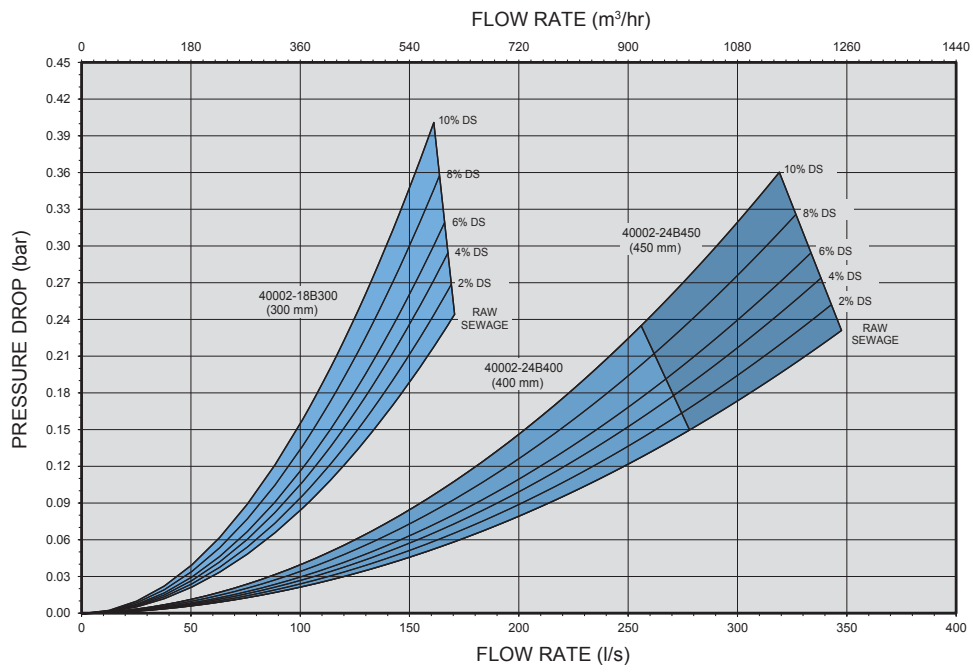
## Muffin Monster grinder materials

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

For guidance in selecting a 40002 Muffin Monster, please contact Qmax Pumping.

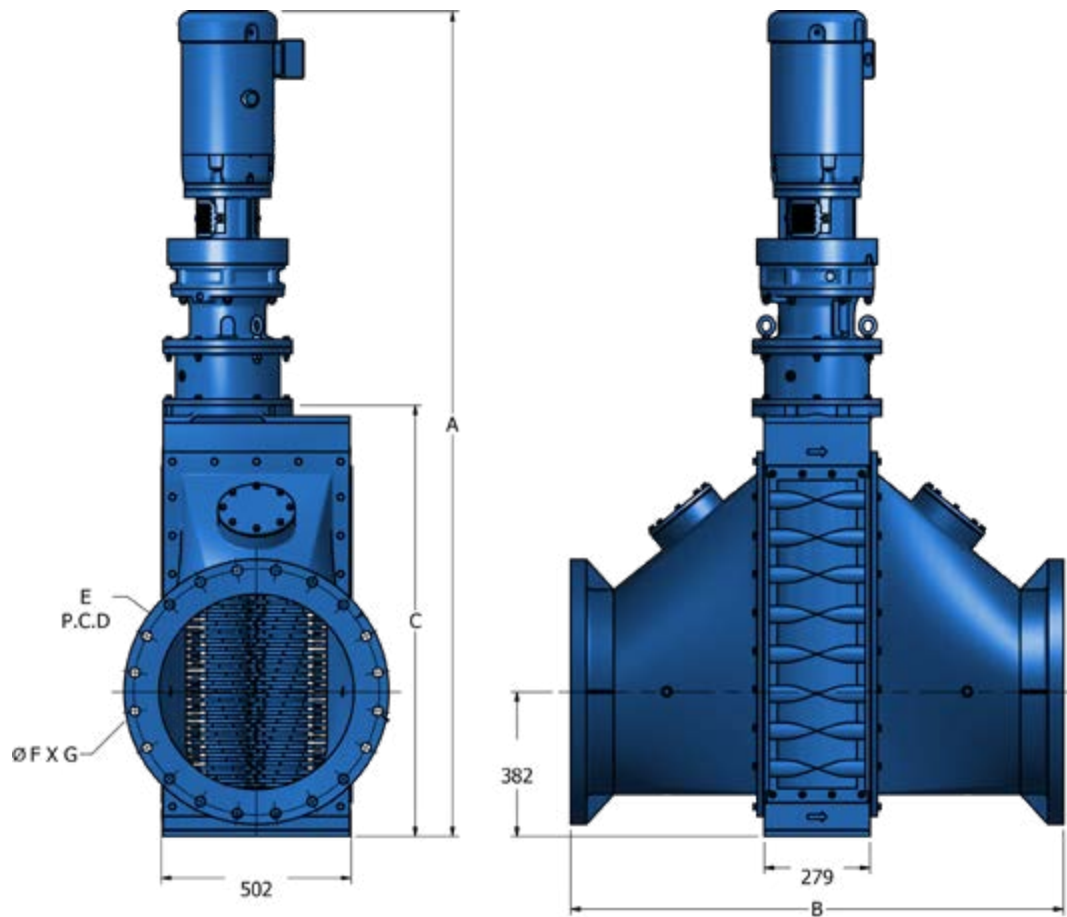


# Performance curves



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	E	F	G	
40002-18B300	612	300	0.24	1704	1848	895	768	410	28 (M24)	12	690
40002-24B400	999	400	0.15	1882	2027	1099	946	525	31 (M27)	16	860
40002-24B450	1249	450	0.23	1882	2027	1200	946	585	28 (M24)	20	950
40002-32B500	1558	500	0.29	2080	2117	1301	1114	650	32 (M30)	20	1184

1. 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 7.5 kW drive.

