

# Grinder - 30004T Muffin Monster™ - Inline series

**SULZER**

The 30004T 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.

## Construction

- Inline pipe configuration
- Pipe flange diameters from 100 mm to 300 mm
- Hardened alloy steel cutters (standard), or optional stainless steel cutters available, 120 mm diameter
- Ductile iron unibody housings
- Hardened alloy steel shafts, 50 mm hex
- Mechanical seals with tungsten carbide faces, 10.3 bar maximum dry working pressure
- Easy removable cutter cartridge while inline

## Performance

- Flow rates up to 556 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 motor assembly

- 2.2 kW standard, 4.0 kW optional
- Optional explosion proof (2.2 kW and 4.0 kW) and immersible motors (2.2 kW and 3.7 kW) 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 cutters

Tooth count	Thickness	Material
7-tooth	11 mm	Hardened alloy steel*
11-tooth	8 mm	Hardened alloy steel*
13-tooth	2 mm	Hardened alloy steel*
13-tooth	5.5 mm	Hardened alloy steel*
17-tooth Wipes Ready™	11 mm	Hardened alloy steel

\* Available in optional stainless steel.

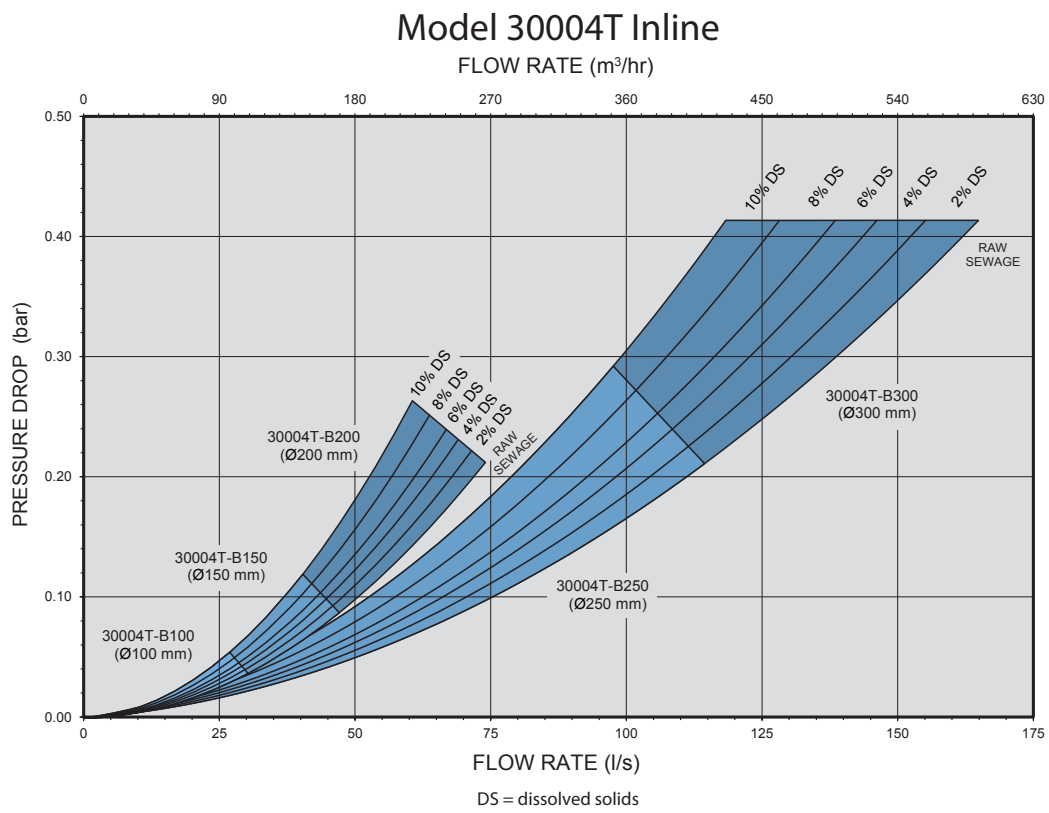
## Muffin Monster grinder materials

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

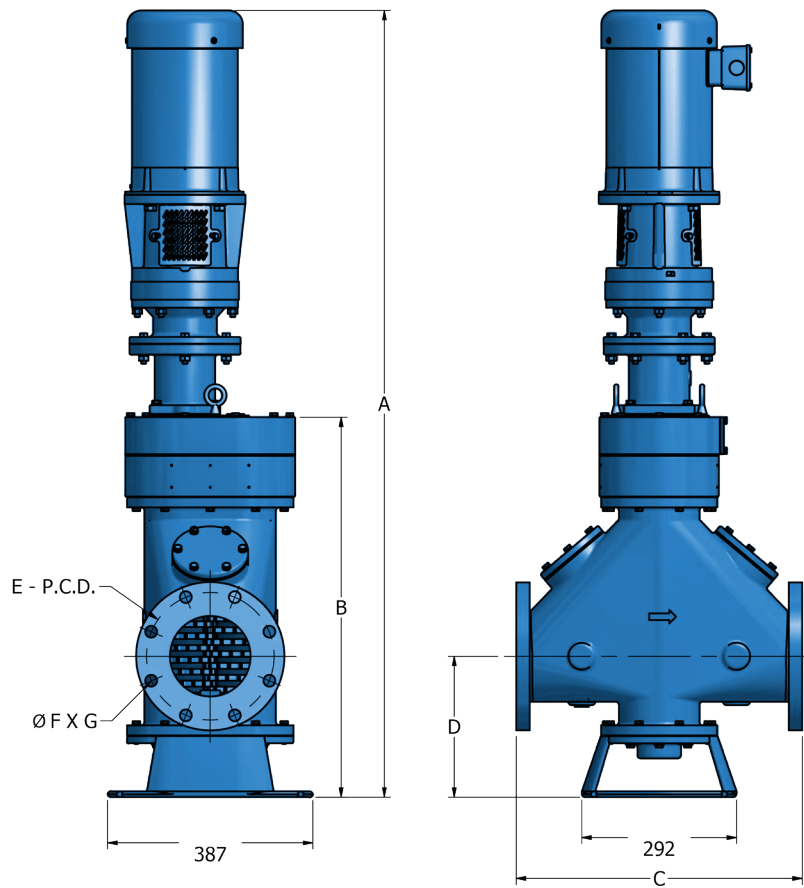
\*\* Available in optional stainless steel.

For guidance in selecting a 30004T Muffin Monster, please contact Sulzer.

# Performance curves



## 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 <sup>3</sup> - kg
				A (IP55)	A (IP68)	B	C	D	E	F	G	
30004T-B100	102	100	0.04	1'391	1'650	718	489	238	180	18 (M16)	8	358
30004T-B150	159	150	0.08	1'391	1'650	718	540	264	240	22 (M20)	8	383
30004T-B200	250	200	0.21	1'394	1'650	718	591	286	295	22 (M20)	12	393
30004T-B250	386	250	0.20	1'687	1'946	1'010	692	313	355	26 (M24)	12	463
30004T-B300	556	300	0.40	1'687	1'946	1'010	794	336	410	26 (M24)	12	493

1. 0-2% solids. Inline 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 4.0 kW/3.7 kW motor.

3. Weight is based on a unit with a 3.7 kW IP68 drive.

