

# Grinder - 40002 Muffin Monster™ - Open channel 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

- Open channel configuration
- Grinder cutter stack heights from 450 mm to 800 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
- Available with channel or wall mounted frame for easy installation

## Performance

- Flow rates up to 477 m<sup>3</sup>/hr

## Applications

- Pump stations
- Collection systems
- Headworks at wastewater treatment
- 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	11 mm	Hardened alloy steel



## Muffin Monster motor assembly

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

## Muffin Monster frame options

- Adapt grinders for easy installations
- Channel frames to fit most channel types
- Wall frames to mount on flat or round walls
- Type 304 or 316 stainless steel construction
- Guide rails for easy installation and maintenance

## Muffin Monster controller

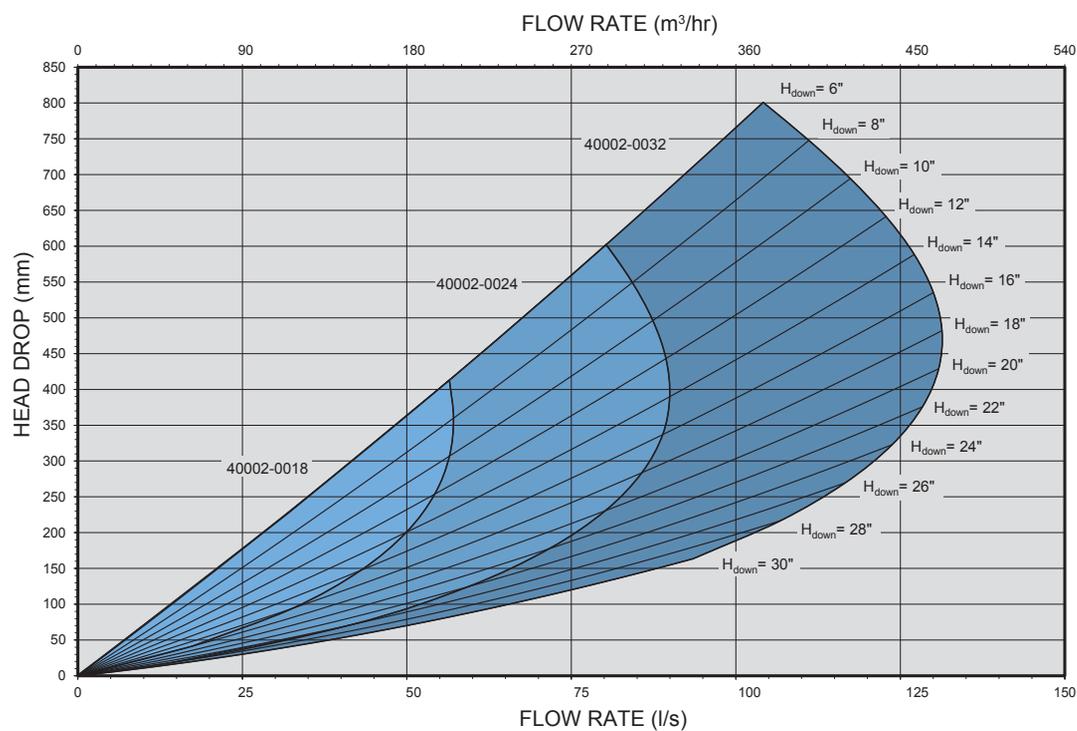
- Ensures maximum grinding ability with minimum stoppage
- Designed and programmed for specified motor

## Muffin Monster grinder materials

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

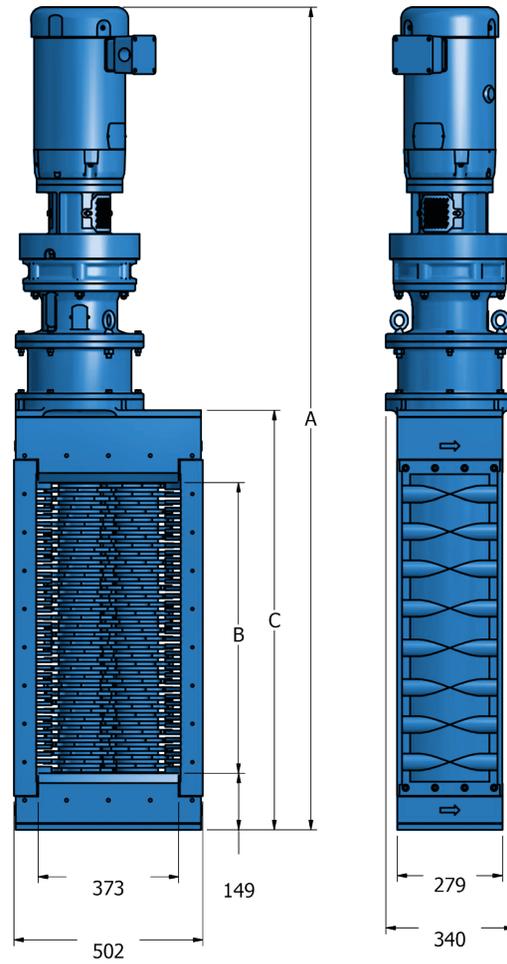
For guidance in selecting a 40002 Muffin Monster, please contact Sulzer.

# Performance curves



H<sub>down</sub> = downstream head

## Dimensions (mm)



Open channel model	Flow rate <sup>1</sup> - m <sup>3</sup> /hr	Head drop - mm	Standard dimensions <sup>2</sup> - mm				Approximate net weight - kg
			A (IP55)	A (IP68)	B	C	
40002-0018	207	203	1704	1816	457	768	533
40002-0024	327	406	1882	1994	610	946	619
40002-0032	477	457	2050	2162	813	1114	708

1. Flow based on optimum channel conditions. Consult factory for analysis of application.

2. Drive dimensions are a maximum based on a unit with a 7.5 kW drive. Extended drive shafts are available on request.

