

# Waste Water Treatment

## Vertical Screw Screens WASTEMASTER GCV



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### Description ▼

WASTEMASTER GCV is a Vertical Screw Screen designed for operating in plants with little space available. GCV carries out solids-liquid separation with great efficiency by dewatering and compacting the solids in a special discharged module.

### Function ▼

The waste water enters the WASTEMASTER GCV Screw Screen through a flanged connection with the supply pipe. The removal of the influent suspended solids is achieved thanks to the special design enclosed screen basket that holds back solids. By providing continuous cleaning of the screen, special segmented brushes on the outside diameter of the screw flight optimize separation efficiency.



### Application ▼

Vertical screw screen for municipal and industrial liquid-solid separation. The best solution available on the market for the protection of submerged pumps.

### Benefits ▼

- ✓ Quick and easy installation thanks to collar clamp support, optional base frame, and fast coupling systems;
- ✓ Volume reduction of solids up to 40%;
- ✓ Inlet spout and split screen basket for easy inspection;
- ✓ Possibility of discharge into continuous bags;
- ✓ High resistant sector brushes;
- ✓ Great versatility of application due to wide range of accessories and quick coupling system;
- ✓ Protection of submerged pumps;
- ✓ Low investment, operational and maintenance costs.

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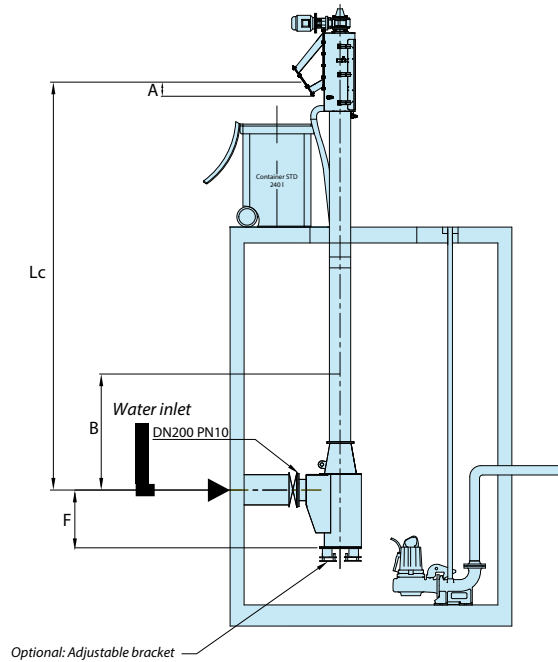
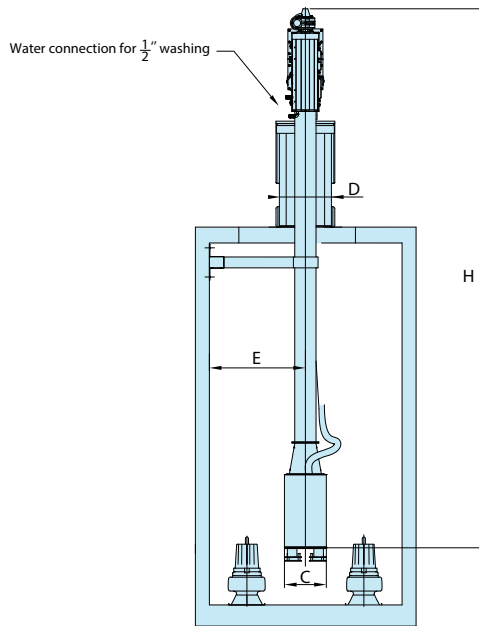


### Technical Features / Performance ▼

- ▶ All fabricated parts in 316L stainless steel
- ▶ Screw in 304 SS / 316 or special high-resistance steel
- ▶ Bolted brushes made in sectors for cleaning of the screen
- ▶ Throughput rates up to 350 m<sup>3</sup>/h
- ▶ Three screen mesh size: 3, 6 and 10 mm
- ▶ Outlet installation angle according to customers' request (90° steps)

Model GCV	Flow Rate l/sec *	
	Round Holes Screens (mm)	
	3	6
200	24	32
300	36	47
500	70	90

### Overall Dimensions ▼



MODEL	A	B	C	D	E	F	DN	Lc	H	kW
GCV 200	300	-	320	219	328	500	150	from 1,500 to 4,000	from 2,732 to 5,232	0.55
GCV 300	300	490	430	219	328	730	200	from 2,000 to 7,500	from 3,670 to 9,170	1.1
GCV 500	375	965	650	273	530	920	300	from 2,000 to 7,500	from 4,000 to 9,500	1.5

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