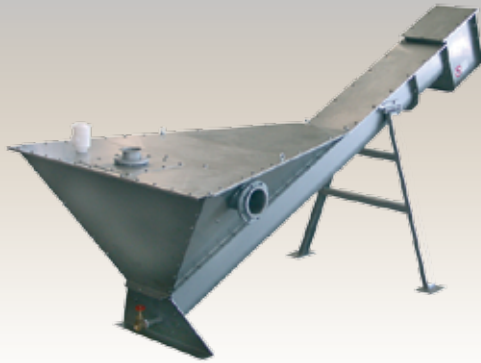


# Waste Water Treatment

## GRITSEP Grit Separators DS



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### Description ▼

The GRITSEP DS Grit Classifier consists of an inclined screw conveyor with a large volume hopper including an inlet spout and a water outlet spout, a shaftless screw housed in a trough, low-friction anti-wear bars, a trough cover, an outlet spout for solid particles, and a drive unit mounted at the outlet end.

### Function ▼

Water to be cleaned enters the inlet spout of the GRITSEP DS Grit Classifier into the decantation hopper where sedimentation of the solid particles is taking place. Thanks to the shaftless design and the low screw rotation it is possible to achieve a high efficiency in conveying, dewatering and discharging of the sedimented grit.

Cleaned water exits through the lateral hopper discharge spout. A Drainage valve at the bottom of the screw, guarantees an easy maintenance of the machine.



### Application ▼

Successfully installed for dewatering sand after a grit treatment process in municipal or industrial waste water treatment plants or industrial washing processes.

### Benefits ▼

- ✓ Absence of bearings under water level;
- ✓ Low installation, operational and maintenance costs;
- ✓ Shaftless heavy-duty screw ensuring durability;
- ✓ Low speed of conveying screw;
- ✓ Easily replaceable bolted wear bars.



Available from:  
**FILQUIP Pty Limited**

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QLD 4119 Australia

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# Waste Water Treatment

## GRITSEP Grit Separators DS

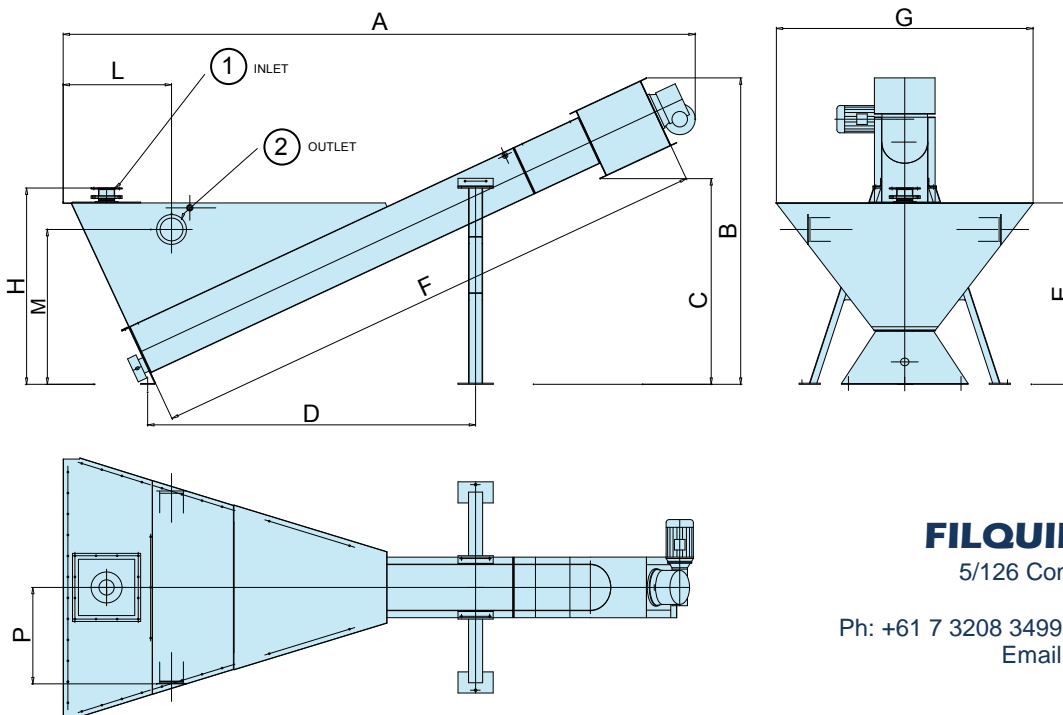


### Technical Features / Performance ▼

- ▶ 304L / 316L SS hopper with special designed anti locking system
- ▶ Trough in stainless steel (304L or 316L) equipped with wear-resistant sliding bar
- ▶ Shaftless screw made up from sections of heavy-duty, wear-resistant carbon steel (or 304L / 316L SS)
- ▶ Efficiency: 90% separation of sand with grain size  $\geq 0.2$  mm and specific gravity 2.60 - 2.65
- ▶ Metal - plastic composite liner available (option)

| MODEL   | Portata (l/s) | Rapporto di estrazione |      | Volume serbatoio (l) |
|---------|---------------|------------------------|------|----------------------|
|         |               | m <sup>3</sup> /h      | l/s  |                      |
| DS 400  | 5             | 0.22                   | 0.06 | 400                  |
| DS 1000 | 8.3           | 0.29                   | 0.08 | 800                  |
| DS 2000 | 22.2          | 0.29                   | 0.08 | 1,950                |
| DS 3400 | 27.8          | 0.29                   | 0.08 | 3,010                |
| DS 4000 | 36            | 1.3                    | 0.36 | 3,950                |

### Overall Dimensions ▼



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| MODEL   | A     | B     | C     | D     | E     | F     | G     | H     | L   | M     | P     | Flange<br>① UNI | Flange<br>② UNI |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-----------------|-----------------|
| DS 400* | 3,710 | 2,020 | 1,450 | 1,995 | 1,390 | 3,365 | 1,215 | 1,490 | 490 | 1,270 | 650   | DN80PN10        | DN100PN10       |
| DS 1000 | 4,490 | 2,170 | 1,460 | 2,330 | 1,290 | 4,000 | 1,830 | 1,400 | 770 | 1,100 | 685   | DN100PN10       | DN150PN10       |
| DS 2000 | 5,480 | 2,580 | 1,850 | 3,215 | 1,650 | 5,00  | 2,396 | 1,805 | 765 | 1,400 | 980   | DN125PN10       | DN200PN10       |
| DS 3400 | 6,485 | 3,015 | 2,320 | 3,180 | 2,038 | 6,015 | 2,410 | 2,190 | 790 | 1,844 | 1,090 | DN200PN10       | DN250PN10       |
| DS 4000 | 6,590 | 3,090 | 2,370 | 3,960 | 2,180 | 6,015 | 2,510 | 2,330 | 865 | 1,985 | 1,140 | DN400PN10       | 2x DN250PN10    |

\* Transport system in tubular screw

For reference only: for detailed drawings please contact the Manufacturer

Dimensions in mm



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