



Compact Units  
03.03-B01

# WS-Compact System

Finescreen –

Cylindrical Grit Separator

WERKSTOFF + FUNKTION  
GRIMMEL WASSERTECHNIK GMBH



W+F cylindrical grit separator compact system for inlet flow  $Q = 280$  l/s

## Application and technical features

- Space-saving solution for separation of suspended grit and grease. Space savings up to 50% compared with conventional compact systems. Established and proven design
- Long grit separator for the mechanical disposal of mineral components based on a new working principle
- Grit separation rate (at  $Q$  max): 95% for grit corn sizes of  $\geq 0.2$  mm
- Optimal grit separator aeration to create the cylindrical flow
- Optional emergency over flow sill with integrated bypass pipe; low loss of pressure and stop gates at inlet and outlet
- No special grease chamber, which means less maintenance
- Simple, reliable design for separating and discharging grease
- Simple assembly, optionally wired ready-for-connection

## Components, design and technology

- Inflow tank with hygienic metal cover, inflow pipe and integrated W+F finescreen
- Screenings wash press (screw press) for drainage, compression and transport of the screenings, friction and transport pipe for discharge of the screenings
- Long grit separator as a round tank to attach the inflow chamber for the finescreen and build-in basic grit conveyor screw
- Inflow and outflow chamber with flange pipe to take the stop gates for the possible activation of the integrated bypass. Sturdy support and design
- Sand scraping via horizontal spiral conveyor fitted in the bottom trough of the grit separation tank
- Discharge of the separated sand matter by means of sturdy pipe conveyor screw
- Grit separator aeration with blower and many individual adjustable channels
- Manual or automatic discharge of grease and floating matter as option