PRODUCT CATALOG

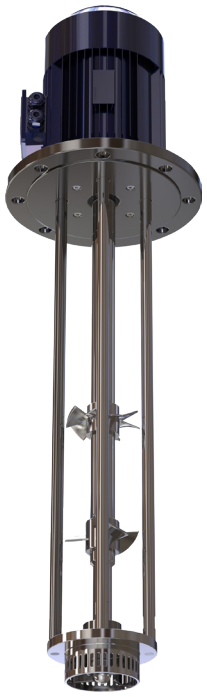
TMXFLOW

# SDD
# VERTICAL MIXERS



# SDD
# Vertical Mixer

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## Options

DIN2632-pn10 flange or rectangular flange for the assembly on a tank.
Circulation propeller.
Downthrust propeller.
Disintegrating head. Fine screen head.
Intermediate flange for long mixers.
SLIM system. Upper suction head.
Motor shroud.
Other motor protections.

## Application

Vertical mixer series high shear vertical mixers offer a solution for the disperison, emulsification, homogenization and degradation processes of solids in a wide variety of products in the food processing, cosmetic, pharmaceutical and fine chemical industries.

These mixers are intended for work under the atmospheric pressure and with the products of either high or low viscosity.

The mixers are recommended to work with anchor. Type agitators if the application involves highly viscous media.

## Operation

The high  speed and adjusted tolerances between the rotor and the stator result in high suction potential, the product is suctioned from the bottom of the tank and driven to the centre of the head.

Passing throught the openings of the stator the product is mechanically sheared.

The particles are sheared by the rotor at 20 m/s and finally the product is hydraulically sheared while leaving the stator throught the slots at a high speed.

The combination of the veritcal suction ans radial thrust result in a circulation flow.

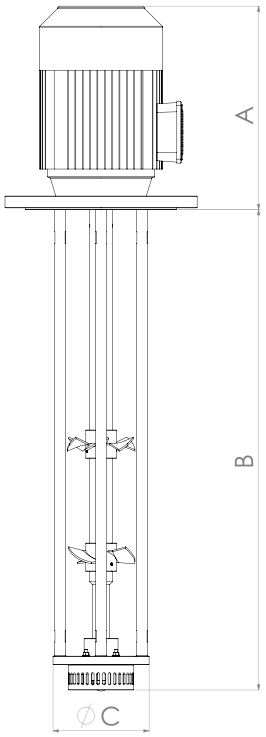
## User Benefits

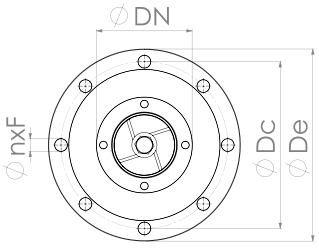
Fast and homogenous powder dissolving
Fast, effective liquid mixing performance in tanks
Efficient gas and powder dispersion
High dynamic shear, gentle mixing
Reduced installation, emission, energy and manintenance costs.
Reduced investment cost due to the reduction to basic functions.

# SDD
# Vertical Mixer

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## Configuration




## Dimensions

| TYPE | Ø Dn | Ø De | Ø Dc | n*f | A | B | C |
|---|---|---|---|---|---|---|---|
| SDD 30 011 | 150 | 250 | 225 | 4*11 | 258 | 750 | 125 |
| SDD 30 040 | 200 | 310 | 280 | 4*13 | 355 | 850 | 170 |
| SDD 30 075 | 250 | 360 | 330 | 4*13 | 450 | 1200 | 185 |
| SDD 30 185 | 50 | 430 | 390 | 4*17,5 | 525 | 1400 | 210 |

## Capacity

| TYPE | 1 cpu | 3000 cpu | Additional agitation | Power(kw) | Speed(rpm) |
|---|---|---|---|---|---|
| SDD 30 011 | 300 L | 100 L | 200 L | 1,1 | 3000 |
| SDD 30 040 | 500 L | 300 L | 400 L | 4 | 3000 |
| SDD 30 075 | 1000 L | 750 L | 900 L | 7,5 | 3000 |
| SDD 30 185 | 1500 L | 1000 L | 1200 L | 18,5 | 3000 |


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