

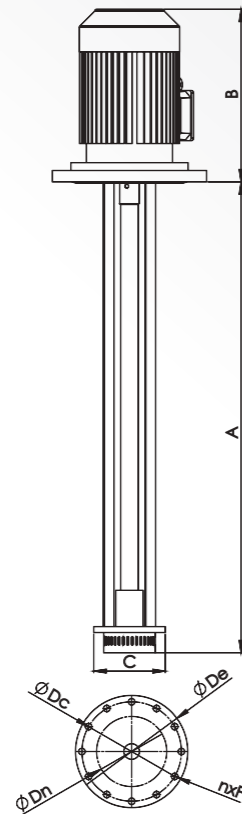
## FVM VERTICAL MIXER

### DIMENSIONS

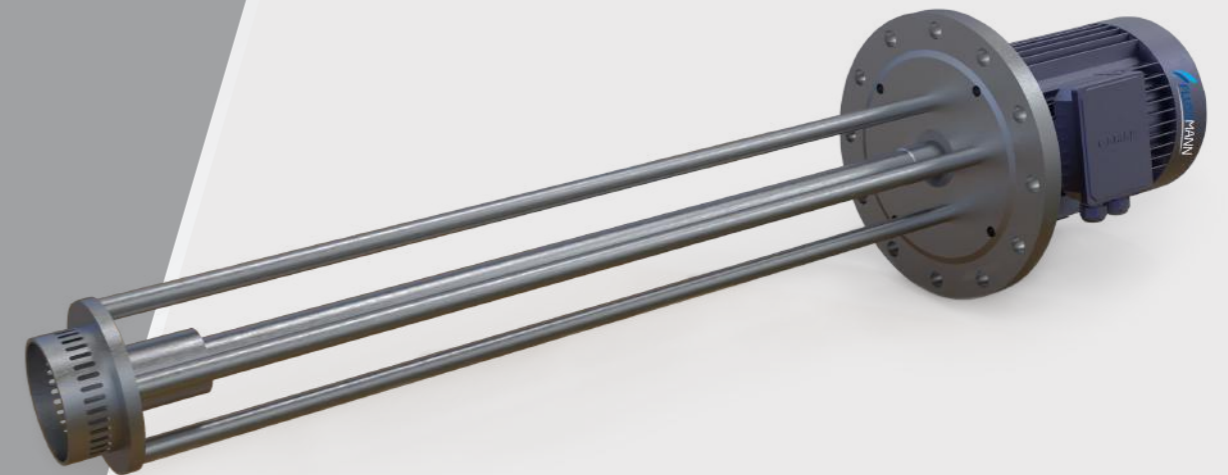
### CAPACITY

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

1 cpu	3000 cpu	Additional ag.	Power kw	Speed rpm
300lt	100lt	200lt	1,1	3000
500lt	300lt	400lt	4	3000
1000lt	750 lt	900lt	7,5	3000
1500lt	1000lt	1200 lt	18,5	3000



## FVM VERTICAL MIXER



YOUR SOLUTION PARTNER

## FVM VERTICAL MIXER

### APPLICATION

- » The FVM series of the high shear vertical mixers present a solution for the processes of dispersion, emulsifying, homogenisation and disintegration of solids in a wide range of products in the food processing, cosmetics, pharmaceutical and fine chemistry industries.

### DESIGN AND FEATURES

- » High shear, particle size reduction to less than 100 microns.
- » Various types of interchangeable heads.
- » Slotted head (standard).
- » Motors: IEC B5, IP55, F-class insulation

### OPTIONS

- » Circulation propeller.
- » Downtrust propeller.
- » Disintegrating head.
- » Upper suction head.
- » Motor shroud.
- » Other motor protection

### WORKING PRINCIPLE

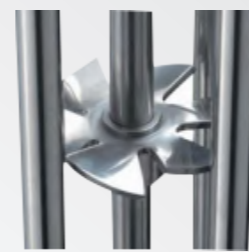
- » The high speed and adjusted tolerances between the rotor and the stator result in high suction potential, the product is suctioned from the bottom of the tank and driven to the centre of the head.
- » The product is suctioned from the lower part of the head and the rotor thrusts it radially.
- » Passing through the openings of the stator the product is mechanically sheared. the particles are sheared by the rotor at 20 m/s.

### MATERIALS

- » Parts in contact with the product : AISI316L
- » Guide bushing : PTFE
- » V-ring : NBR



CIRCULATION PROPELLER



DOWNTHRUST PROPELLER.



- » This head is the most popular combination high shear and flow rate efficiency

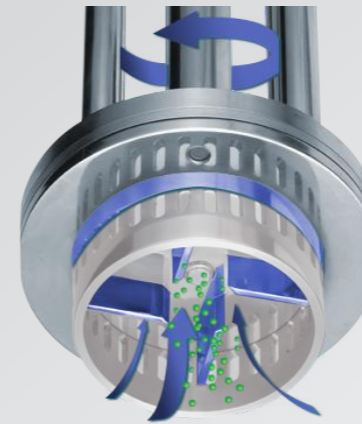


- » This head is suitable for use with higher viscosity products than any other head design



- » This head used for low viscosity products

## FVM VERTICAL MIXER



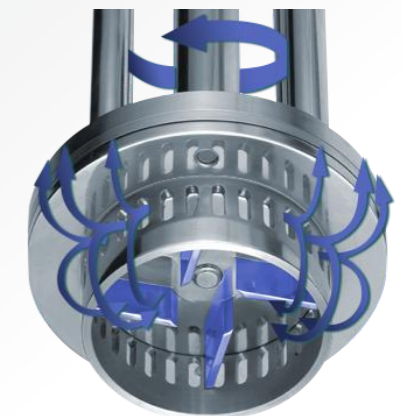
- » This head is the most popular combination high shear and flow rate efficiency



- » The product is sheared as it is forced through the stator by the rotor



- » The product is returned radially through the stator screen opening at high velocity



- » A vigorous flow is generated below the liquid surface

