



MEDISCA[®]
YOUR TRUSTED PARTNER IN COMPOUNDING

PRODUCT NO.: 8821-01



DISPERSING ELEMENT

S25N-25F, 100-2000mL

DESCRIPTION: IKA dispersing technology works by using the rotor-stator principle. The system consists of a rotor within a stationary stator. Due to the high circumferential speed, the medium to be processed is drawn axially into the dispersion head and then forced radially through the slots in the rotor-stator arrangement. The high speed and minimal gap between the rotor and stator produces extremely strong shear forces which results in better dispersion.

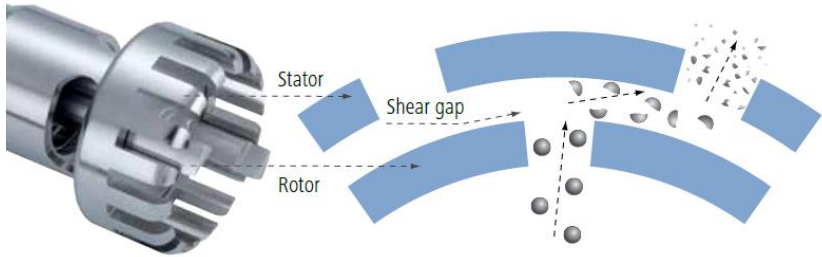
The variety of media to be processed also requires a variety of rotor-stator configurations and seals. In many cases it is necessary to use subsequently two dispersing elements, for pre-crushing and fine crushing. The plug-in connectors facilitate the exchange of the dispersing elements.

TECHNICAL SPECIFICATIONS:

Model	S 25 N – 25 F
Working Range (H₂O)	100 – 2000mL
Circumferential Speed	22.6 m/s
Stator Diameter	25 mm
Rotor Diameter	18 mm
Gap between rotor and stator	0.5 mm
Min / Max Immersion Depth	40 / 165 mm
Shaft Length	194 mm
Materials in Contact with Medium	PTFE, AISI 316L
pH Range	2 - 13
Min / Max Ultimate Fineness, Suspensions	5 / 25 µm
Min / Max Ultimate Fineness, Emulsions	1 / 5 µm
Suitable for Solvents	Yes
Suitable for Abrasive Substances	yes
Max Temperature	180°C
Sterilization Methods	All methods

ADDITIONAL INFORMATION:

Rotor-Stator Principle:



The above information is a direct transcription of information provided to MEDISCA® from the Specification Sheet and/or Certificate of Conformity provided by the manufacturer/supplier.