



SUPRATON® S-SERIES

The Supraton® S-series permits operation up to:

- ▶ 200.000 cP product viscosity
- ▶ 20 mm particle size
- ▶ 240 °C
- ▶ 20 bar

Advantages which the Supraton® S-series additionally has to offer:

- ▶ First-class homogenisation: small product quantities can be introduced

directly into the shearing and mixing zone by means of stator injection so that optimum homogenisation is guaranteed.

- ▶ External oil-cooled bearing system for high driving power and temperature resistance in continuous operation.
- ▶ High-quality materials, from duplex stainless steel to metal/ceramic combinations, ensure increased wear resistance
- ▶ The Supraton® S-series is structured

axisymmetrically and is thus suitable for both senses of rotation. In that way, both tooth flanks can be used in the event of wear.

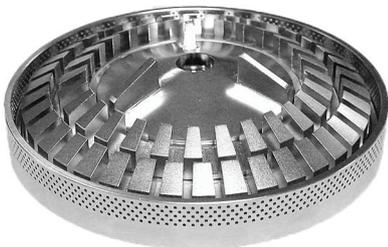
- ▶ Further developed tool geometries for efficiency and performance optimisation of rotor/stator systems.
- ▶ Excellent rotor stability, even in the case of extremely high viscosities and speeds of rotation, ensures a high degree of reproducibility as well as a reliable scale-up capability.

Nozzle tool

Tooth and chamber tool

Pocket conical tool

Rotor



Stator





Overview		S200		S300		S400		S500	
		Type	Through-put rate m³/h						
Dispersing, emulsifying, homogenising, reacting		200.4	≤ 10	300.4	≤ 20	400.4	≤ 35	500.4	≤ 55
Emulsifying, reacting, dispersing, homogenising		200.7	≤ 12	300.7	≤ 24	400.7	≤ 45	500.7	≤ 70
Dispersing, disintegrating, solubilising		200.9	≤ 15	300.9	≤ 30	400.9	≤ 55	500.9	≤ 90
Flange connection	Suction side	DN 40		DN 65		DN 100		DN 150	
	Discharge side	DN 32		DN 50		DN 80		DN 100	
Rotor speed	*(min) ⁻¹	≤ 7.500		≤ 5.400		≤ 3.600		≤ 1.800	
Drive motor	kW	8-22		15-45		30-132		75-250	

*based on water at a supply pressure of 0.35 bar