

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:

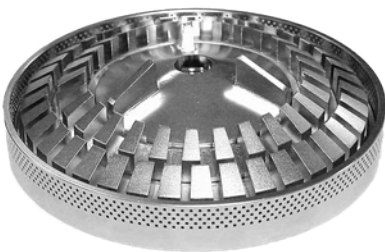
- First-class homogenisation: small product quantities can be introduced directly into the shearing and mixing zone by means of stator injection so that optimum homogenisation is guaranteed
- External oil-cooled bearing system for high driving power and temperature resistance in continuous operation
- 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



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Machine overview		S200		S300		S400		S500	
		Type	Through-put rate m³/h	Type	Through-put rate m³/h	Type	Through-put rate m³/h	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*	rpm	≤ 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

SERVICE UNLIMITED

Supraton inline homogenisers are at work for our customers around the world. And our service is there as well: We are at your side with consultation and service to help and give advice - throughout your project.

Our Services

- Process consultation for the engineering and operation of plants
- Assembly and commissioning
- 24-hour spare part service
- Service and repair
- Test and rental machines



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