

New Un-used 1993 Supraton High Shear Inline Homogenizer

Mfg: Supraton

Model: S500.4.5.5

Stock No. 195.GR329.

Serial No. 5249

New Un-used 1993 Supraton High Shear Inline Homogenizer. Model S500.4.4.5. S/N 5249. Drwg No: 500-509. OEM: Dorr-Oliver Deutschland GmbH. Type: 316 stainless steel. Volumetric flow rate: up to 242 gal/min. Tool speed: 164.06 ft/s. MAWP: 16 bar @ 200 °C. Tooth and chamber/rotor design. Double mechanical seal assembly. Tool material: 51.4462. Motor speeds up to 1,800 rpm, 75-250 kW. Supraton machines are dynamic homogenizers with a multistage tool set. Rotor and stator consist of concentric tool rings that are radial slotted and/or drilled. Typical applications: pigments, paints, abrasive solids, juices, nectars, syrups, creams and fillers, milk, cottage cheese, cheese products, etc. Inlets: (1) 6 in. dia. suction (DIN 200). Outlet: 4 in. dia. discharge (DIN 150). Overall dimensions: 55 in. L x 27 in. W x 33-1/2 in. H.

Machine size	S200	S300	S400	S500
Tool type	Capacity in m³/h (gpm)			
Tooth & chamber tool for dispersion, emulsification, homogenization, reaction	2-10 (9-40)	5. 24 (22-105)	8. 35 (35-155)	10. 55 (44-240)
Nozzle tool for emulsification, reaction, dispersion, homogenization	2. 12 (9-50)	5. 25 (22-105)	8. 52 (35-230)	10. 70 (44-310)
Conical tool for dispersion, disintegration, comminution	2. 15 (9-66)	5. 42 (22-185)	8. 65 (35-285)	10. 75 (44-330)
Speed in min⁻¹	. 7.500	. 5.400	. 3.600	. 1.800
Motor capacity in kW (hp)	8. 28 (1-40)	15. 45 (20-60)	30. 132 (40-175)	75. 250 (100-335)



