

Atomizer ZAT 100

Vacuum container	
height/length/width	2710/1500/1000 mm
weight	230 kg
max. diameter	360 mm
volume	0,2 m ³
range of pressure (abs.)	10 ⁻⁵ mbar - 1,8 bar
Nozzles	
Number of nozzles	12
diameter of nozzles	0,6 mm
angle of atomising	45°
material	1.4571 (X6 CrNiMoTi 17 12 2)
pressure of toroidal chamber	max. 20 bar
pressure inside the vacuum-container	max.1,65 bar
Specimen Holder	
diameter of specimen	8 - 14 mm
velocity of rapid movement	40 mm/min
continuous traverse rate	0,01 - 20 mm/min
Powder	
particle size (theor.)	40 - 400 µm
particle size (exp.)	40 - 2000 µm



Heating System	
ratio of transmission	4:1 (voltage primary / voltage secondary)
MF-power (medium frequency)	max. 50 kW
MF-voltage	400 V
Vacuum System	
pre-vacuum	≥ 10 ⁻¹ mbar (vane type rotary pump)
main vacuum	≥ 10 ⁻⁴ mbar (turbo molecular pump), or: diffusion pump

technical data subject to alterations