

Technical parameters

Type of plant:	META 2050 Basic system	META 2051 HMDS – protective layer
Vacuum chamber		
Inside diameter	2 050 mm	x
Cylindrical length	2 915 mm	x
Total coatable area, max.	19,7 m ²	x
Pumping unit		
Rotary slide vane vacuum pump	2 x 630 m ³ /h	x
Roots pump	2 x 2 000 m ³ /h	x
Oil diffusion pump (variants)	2 x 30 000 l/s	x
Cryo-generator (option)	200 000 l/s	x
Substrate carrier		
Planetary no. pieces	8 10	x
Enveloping circle diameter	496 mm 420 mm	x
Length, useful	2 040 mm	x
Speed of rotary cage, max.	1 – 6 min ⁻¹	x
Evaporator		
Evaporator groups	1 + 3 Pieces	1+ 4 Pieces
Evaporation power [other evaporator power on request]	40 kVA / 8V	2 x 40 kVA / 8V
Vacuum values ***		
Operating pressure	≤ 1·10 ⁻⁴ mbar	x
Evacuation time to operating pressure *	≤ 6 min	x
Electrical power		
Power supply	3 NPE, 50 Hz, 400/230V ± 5%	x
Connected load, max.	130 kVA	170 kVA
Water		
Water pressure (Cold water)	0,4 – 0,6 Mpa (o.)	x
Water consumption *	0,5 – 0,6 m ³ h ⁻¹	x
Cold water temperature	20 ± 5 °C	x
Compressed air		
Pressure	0,6 – 0,7 MPa (o.)	x
Consumption/batch	0,1 m ³ N	x
Argon		
Inlet pressure	---	1,2 bar
Consumption/batch	---	3 – 7 l
HMDS		
Consumption/batch	---	10 – 15 ml
System dimension		
Width	6 050 mm	x
Height	4 300 mm	x
Depth **	5 200 mm**	x
Total weight		
System total	approx. 27 300 kg	approx. 27 300 kg

X = Parameters refer to basic system META 2050 HMDS = Hexamethyldisiloxan
 * with cryogenerator ** without carrier system *** valid for clean and degased vacuum chamber
 META 2052 Thick films / META 2053 Thick films and HMDS on request

Technical alterations are reserved