

MudCube Datasheet

Item	Specification	SI Units	Imperial units	Note
1	Manufacturer	Cubility		
2	Model	Cube PN10000		
3	Length/Width/Height	2716 / 2171 / 1803 mm	106.9 / 84.3 / 71.0 in	
4	Weight dry (Min – Max)	1600 - 2000 kg (+/-5%)	3527 - 4409 lb (+/-5%)	1
5	Ambient temperature	-20 – 50 °C	- 4 – 122 F	
6	Process flow temperature	0 – 85 °C	32 – 185 F	
7	Standard filter belt (screen) mesh sizes	Ranging from 45 µm (API 325) up to 850 µm (API 20)		2
8	Pressure rating	Atmospheric		
9	Vacuum flow rate	1100 m ³ /h @ 50 Hz	647 cfm @ 50 Hz	3.1
		800 m ³ /h @ 50 Hz	470 cfm @ 50 Hz	3.2
10	El. power requirement	380-480VAC, 50/60Hz, 12,5 kW	380-480VAC, 50/60Hz, 16.5 hp	4.1
		380-480VAC, 50/60Hz, 9 kW	380-480VAC, 50/60Hz, 12 hp	4.2
11	Body material	SS 316 L		
12	Active filtration area	2,68 m ²	28.8 ft ²	
13	Vibration	Negligible		
14	Noise level	max 73 dBA		5
15	Interfaces	See General Arrangement		
16	Water knife	75 l/min @ 4 barg	17 gal/min @ 58 psi	6
17	Comp. air req.-Vibrators (continuously)	1.94 Nm ³ /min @ 6 barg	69 CFM @ 87 psi	
18	Comp. air req.- Air knife (periodically)	4,5 Nm ³ /min @ 4 barg	159 cfm @ 58 psi	
19	Certification	ATEX Zone 1, Temp class T3, Gas group IIB		7

Note

1	Weight on unit depending on version and additional equipment
2	Other mesh sizes are available on request.
3.1	For units with CL98/1 vacuum unit
3.2	For units with CL72/1 vacuum unit
4.1	For units with CL98/1 vacuum unit
4.2	For units with CL72/1 vacuum unit
5	Noise level measured with a silencer mounted on the exhaust outlet and 4 barg on the air supply for vibrators, following ISO9614-2:1996 standards.
6	Optional equipment
7	The control panel, being part of the MudCube system, must be installed in a safe area