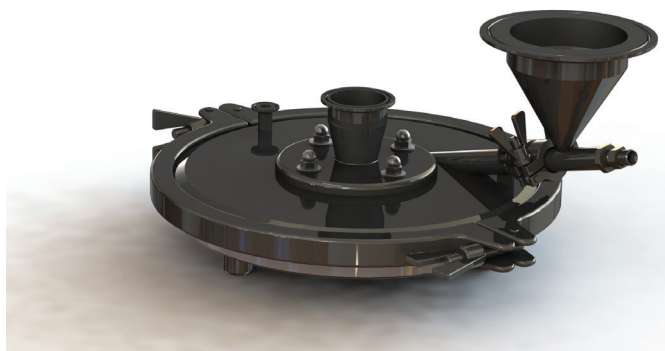


Spiral Flow Jet Mill

Models

Available in a range of sizes designed for throughputs of between 1kg and 100kgs per hour.



Applications

Spiral Flow Jet Mills are a type of air microniser suitable for grinding hard and soft materials up to a hardness of 10 Mohs and producing powders from 1 to 20 microns.

Material entrained in a gas stream is fed tangentially into a high-speed vortex within the shallow grinding chamber which is created by introducing compressed gas through a series of precision tangential nozzles. Material is then ground through attrition within the vortex and is drawn through the centrally mounted classifier once particles are at the desired size. The principal applications for this mill type, which has no moving parts, lie in the field of pharmaceuticals and allied products, as well as speciality chemicals where sterility, ease of cleaning and contamination-free operations are essential.

Options

Manufactured in mild steel or stainless steel.

Replaceable internal jet rings and liners in PTFE, ceramics or other specialised materials.

Features and benefits

- Operating range from 1 to 20 microns
- Low operating temperatures enable heat-sensitive materials to be processed
- Interchangeable internal parts ensure the desired output specification is achieved
- Suitable for use with pharmaceuticals and speciality chemicals materials where sterile and contamination-free operation is essential
- Simple construction allows easy clean down
- No moving parts

Spiral Flow Jet Mill equipment range technical data

MODEL NUMBER	MILL SIZE (MM)	COMPRESSED AIR	
		Ft ³ /MIN AT 100IB/IN ²	M ³ /MIN AT 7 BAR
75	75	20	0.6
100	100	40	1.1
150	150	60	1.7
200	200	104	2.9
300	300	233	6.6
400	400	414	11.7
500	500	647	18.3
600	600	932	26.4
750	750	1,457	41.2
900	900	2,000	56.6

Note: All data provided is for guidance only
and may be varied at any time by the company.

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