

JET FILTER

CPJ

700/950/1200



DESCRIPTION

DESIGN

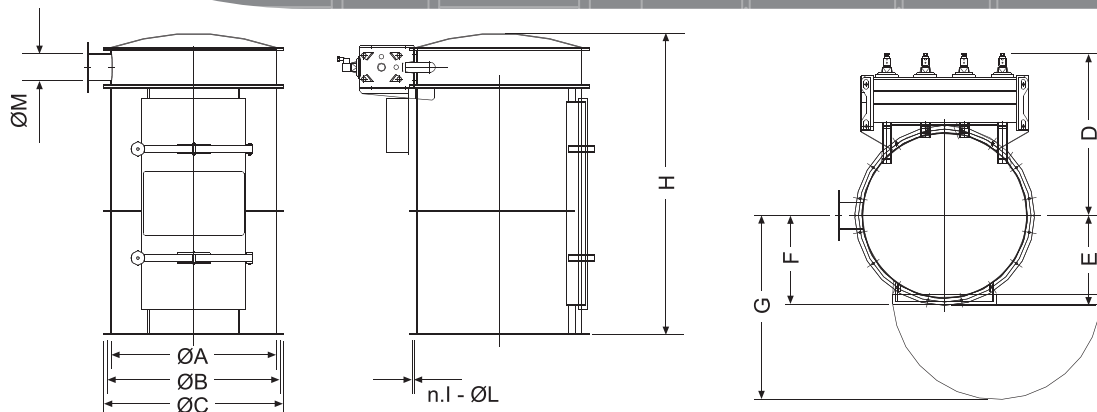
CT Systems' CPJ Jet filter has been designed to de-dust a large variety of different dust sources. High quality standards allow to successfully solve many dedusting problems. CPJ Jet filter is particularly suitable for pneumatic conveying systems (both suction and pressure-type). High filtration efficiency is guaranteed due to accurate filter media selection. Its engineering is a result of the research and experience in the dry filtering with the use of sleeves and optimization of space in the plants. The air-product mixture is suctioned in the filter. The heavier product particles drop to the bottom by gravitational force while the lighter rise to the top and are filtered by the filtering sleeves which are supported by steel frames. As the air is emitted into the atmosphere or recovered in the conduct dedicated suction, the dust is retained by the filter cartridges.

In a typical application, the powder is pneumatically conveyed to a receiver hopper, any airborne material is caught by the multiple filter elements. Freely programmable compressed air jet pulses clean the filter elements, dropping the powder into the hopper. The filter elements can easily be inspected and if needed exchanged via the large inspection front door. Due to its modular construction design the CPJ Jet filter can be installed in areas with limited space. They meet all de-dusting requirements in the plastics, chemicals, food and ceramic industries.

- modular construction made of stainless steel modular AISI 304
- high filtering capacity
- integrated compressed air jet cleaning system
- minimum pressure loss
- maximum filtering surface area involved in cleaning
- longer duration of filtering sleeves with respect to mechanical cleaning system
- absence moving parts
- large filtering area
- front door extraction sleeves
- longlife polyester filter sleeves
- power supply 230 Vac, 50 Hz, single phase
- air supply 5-6 bar

The unit conforms to  directives.

DRAWING



TECHNICAL DATA

TYPE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)
CPJ 700-5	700	730	760	450	705	390	840	1200	16	8
CPJ 700-7	700	730	760	450	705	390	640	1700	16	6
CPJ 700-9	700	730	760	450	705	390	640	2200	16	8
CPJ 958-8	950	990	1030	575	843	515	965	1200	24	10
CPJ 950-12	950	990	1030	575	843	515	965	1700	24	10
CPJ 950-17	950	990	1030	575	843	515	965	2200	24	10
CPJ 950-22	950	990	1030	575	843	515	965	2700	24	10
CPJ 1200-13	1200	1230	1260	700	968	640	1090	1200	36	12
CPJ 1200-20	1200	1230	1260	700	968	640	1090	1700	36	12
CPJ 1200-26	1200	1230	1260	700	968	640	1090	2200	36	12
CPJ 1200-32	1200	1230	1260	700	968	640	1090	2700	36	12

TYPE	Sleeve size Øx length (mm)	Number of sleeves	Filtering surface (mm)	Automatic cleaning valves	Tank volume (dm³)	Air consumption (m³/h)	Emissions (mg/m³)
CPJ 700-5	120 x 1000	12	4,5	4	12	6	<10 (*)
CPJ 700-7	120 x 1500	12	7	4	12	6	<10 (*)
CPJ 700-9	120 x 2000	12	9	4	12	6	<10 (*)
CPJ 958-8	120 x 1000	21	8	5	15	11	<10 (*)
CPJ 950-12	120 x 1500	21	12	5	15	11	<10 (*)
CPJ 950-17	120 x 2000	21	17	5	15	11	<10 (*)
CPJ 950-22	120 x 2500	21	2,5	5	15	11	<10 (*)
CPJ 1200-13	120 x 1000	32	12,8	6	18	13	<10 (*)
CPJ 1200-20	120 x 1500	32	19,2	6	18	13	<10 (*)
CPJ 1200-26	120 x 2000	32	25,6	6	18	13	<10 (*)
CPJ 1200-32	120 x 2500	32	32	6	18	13	<10 (*)

These dimensions are only guideline values. Please ask for a technical drawing for binding measurements.

OPTIONS

- hopper extension modules
- stainless steel AISI 316L
- frame support with weighing load cells
- suction fan
- large front door providing easy access for filtering element removal
- FDA certification according CFR 21 §178.3570
- ATEX certification 
- hopper extension modules

APPLICATION

- conveying of all bulk materials
- vacuum conveying
- pressure conveying
- dedusting needs



CT SYSTEMS
excellence in innovation

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