Technical leaflet	Date
150037 1	2012-01-22

Nederman

CJB Cyclofilter

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Type	Filter area [m²]	A mm / (in)	C mm / (in)	D mm / (in)	Predmax (Bar/psi)
CJB-1	68	8140 (321)	1900 (75)	2380 (94)	0,431 (6.25)
CJB-2	112	8719 (344)	2350 (93)	2860 (113)	0,359 (5.21)
CJB-3	168	9246 (364)	2780 (110)	3340 (132)	0,307 (4.45)
CJB-4	240	9761 (385)	3130 (123)	3810 (150)	0,404 (5.86)
CJB-5	320	10 287 (405)	3580 (141)	4290 (169)	0,359 (5.21)
CJB-6	412	10 804 (426)	3980 (157)	4760 (188)	0,323 (4.68)
CJB-7	516	11 243 (443)	4380 (173)	5160 (203)	0,298 (4.32)
CJB-8	620	11 857 (467)	4770 (188)	5720 (225)	0,269 (3.90)
CJB-9	764	12 384 (488)	5250 (207)	6200 (244)	0,248 (3.60)

- *Dimension B_1 - Low support framework 2600mm (102 in)*
- *Dimension B_2 - High support framework 4600mm (181 in)*

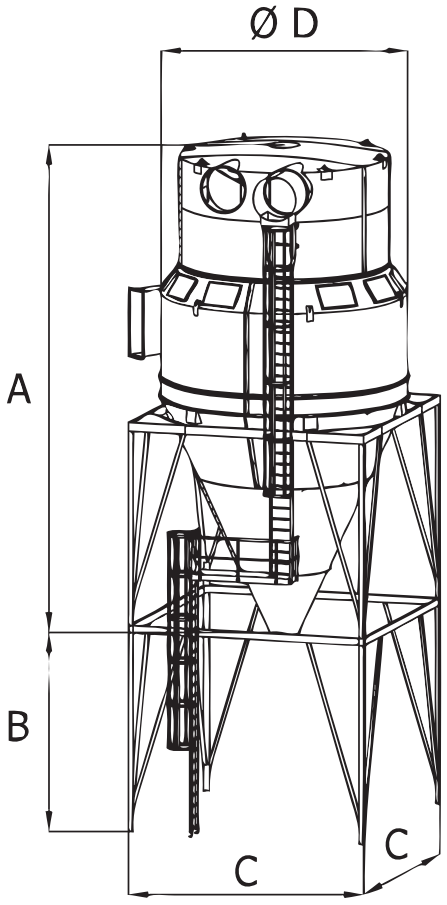
Marking: CE Ex St1 T 125°C

Specifications:	
Climate conditions	+40°C (104°F) to -20°C (-4°F)
Maximum air temperature	Standard up to 60°C (140°F) Optional up to 240°C (464°F)
Max. pos. pressure	6000 Pa (24" WG)
Max. neg. pressure	CJB-1 - CJB-6: 10,000 Pa (40" WG) CJB-7 - CJB-8: 8,000 Pa (31" WG) CJB-9 6,000 Pa (24" WG)
Standard filter element	400gm² (12 ounces/sq.yd.) Polyester needle felt
Explosion protection	ST1 (Kst = 200 bar x m/s)

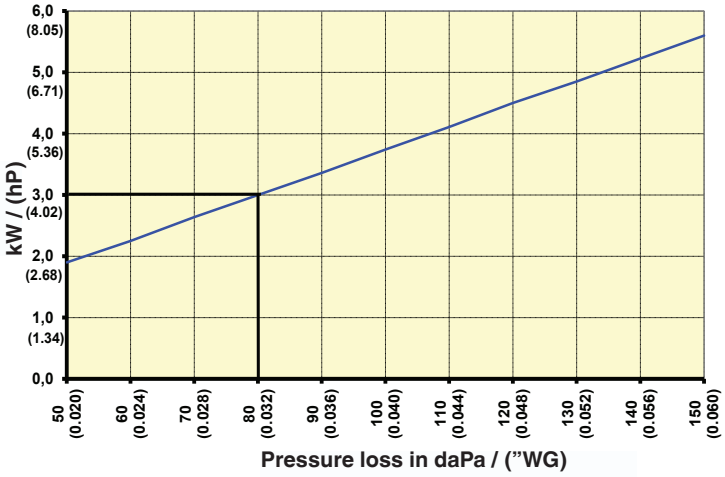
Options and Accessories:	
Ladders	Painted steel
Support structures	Painted steel
Inlet boxes	Equipped with back pressure flaps
Filter elements	All kinds of filter materials adapted to the dust features
Rotary valve (air lock)	Please check that Predmax is higher than for CJB
Thermal insulation and hopper trace heating	

The design of the new generation of Nederman's Cyclofilters maximizes the separation of dust from the airstream. The result is a reduced upward velocity and dust load, thus maximizing bag life. This low dust load greatly improves the efficiency of the filter, even in the toughest of applications, giving typical emission levels of less than 0.1 mg/m³ with only approx. 50% of the filter area of an alternative chain filter. This results in filtration efficiency up to 99.99974%

- Combines the advantages of cyclone separation with the efficiency of a bag filter.
- Systems can be designed to handle large waste volumes in excess of 300 g/m³ (130 grains/cu.ft.).
- Very small footprint
- Fitted explosion panels, certified under the **ATEX directive**
- Reduces residual dust concentration to less than 0.1 mg/m³ (0.0000437 grains/cu.ft.)
- Automatic **on demand** pulse-jet cleaning of the filter bags allows for 24hr operation, even with very high dust concentrations.
- Monitored cleaning system requires very low compressed air consumption.
- Cost effective and efficient
- Virtually maintenance free due to lack of moving parts
- Durable filter housing
- Available in positive or negative pressure configurations



Equivalent measure in kW (hP) for pressure loss per 10,000m³/h (5.900 cfm)



Typical Applications

Suitable for a wide variety of applications including:

- Wood
- Particle Board Manufacturing
- Food Industry (cereals, grain etc.)
- Paper Industry
- Plastics

Service and Spares

Maintenance and service for all makes of dust extraction; periodic checks or complete refurbishment/update to minimise depreciation; expert commissioning and re-commissioning service to ensure optimum performance and filter life from new, or following bag or cartridge replacement. Competitive prices for genuine filter bags, cartridges and all components.
LEV testing for COSHH compliance.