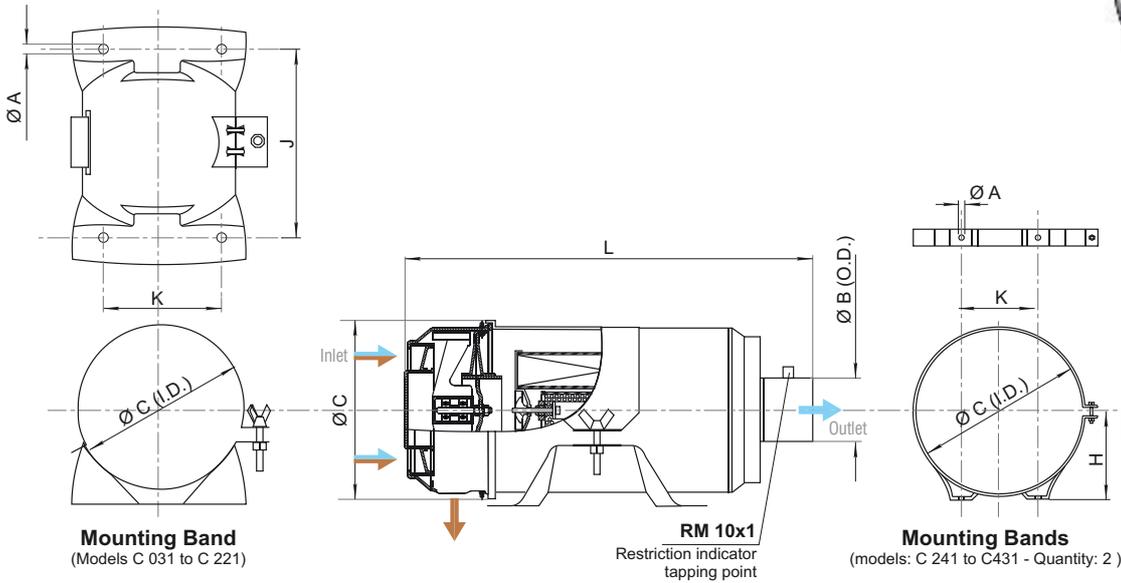
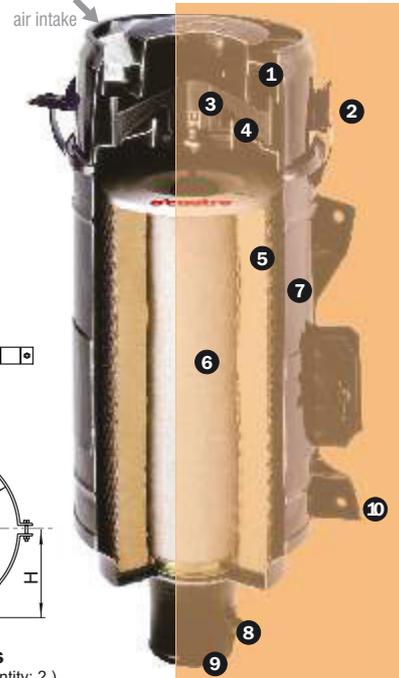


Housings for Dry Filter Elements / Combined System with Dynamic Precleaner
For Agricultural and Earth Moving Machinery, Industrial Applications and On-Highway Under Hood Applications



→ Impure air.
→ Clean air.
→ Impurities.



- 1 Static Vanes
- 2 Discharge Ports (at the back)
- 3 Two Ball Bearings
- 4 Rotor (spinner)
- 5 Primary Element
- 6 Safety Element
- 7 Housing
- 8 Restriction Indicator Tapping Point
- 9 Outlet Pipe (to the engine)
- 10 Mounting Band (C 031 a C 221)

MODEL	Airflow Range	Horsepower Range	Weight <i>With filter elements</i>	Dimensions						Primary Element	Safety Element
				L	J	K	Ø A	Ø B	Ø C		
C 021	0.5 a 2.0 m ³ /min (18 a 71 CFM)	10 a 50 HP (8 a 38 KW)	1.90 kg (4.19 lbs)	322 mm (12.68")	55 mm (2.17")	97 mm (3.82")	9 mm (0.35")	40 mm (1.57")	157 mm (6.18")	E 021 E 028	-
C 031	1.0 a 3.5 m ³ /min (35 a 124 CFM)	20 a 70 HP (15 a 52 KW)	3.50 kg (7.70 lbs)	382 mm (15.04")	175 mm (6.89")	120 mm (4.72")	9 mm (0.35")	63 mm (2.5")	168 mm (6.61")	EP 504	ES 504
C 051	1.5 a 3.5 m ³ /min (53 a 124 CFM)	30 a 70 HP (22 a 52 KW)	3.90 kg (8.60 lbs)	382 mm (15.04")	175 mm (6.89")	120 mm (4.72")	9 mm (0.35")	63 mm (2.5")	188 mm (7.40")	EP 504	ES 504
C 071	3.5 a 4.5 m ³ /min (124 a 159 CFM)	50 a 70 HP (37 a 52 KW)	4.70 kg (10.35 lbs)	489 mm (19.25")	175 mm (6.89")	120 mm (4.72")	9 mm (0.35")	63 mm (2.5")	188 mm (7.40")	EP 070	ES 070
C 081	4.5 a 6.0 m ³ /min (159 a 212 CFM)	70 a 80 HP (52 a 60 KW)	5.75 kg (12.70 lbs)	520 mm (20.47")	175 mm (6.89")	120 mm (4.72")	9 mm (0.35")	70 mm (2.75")	204 mm (8.03")	EP 080	ES 080
C 101	5.0 a 7.0 m ³ /min (176 a 247 CFM)	75 a 100 HP (56 a 75 KW)	6.50 kg (14.30 lbs)	430 mm (16.93")	255 mm (10.04")	161 mm (6.34")	9 mm (0.35")	76 mm (3")	254 mm (10")	EP 100	ES 100
C 121	6.0 a 8.0 m ³ /min (212 a 282 CFM)	80 a 110 HP (60 a 82 KW)	7.50 kg (16.50 lbs)	564 mm (22.20")	255 mm (10.04")	161 mm (6.34")	9 mm (0.35")	76 mm (3")	230 mm (9.06")	EP 120	ES 120
C 181	8.0 a 12.0 m ³ /min (282 a 423 CFM)	110 a 150 HP (82 a 112 KW)	9.20 kg (20.30 lbs)	616 mm (24.25")	255 mm (10.04")	161 mm (6.34")	9 mm (0.35")	102 mm (4")	254 mm (10")	EP 180	ES 180
C 221	12.0 a 15.0 m ³ /min (423 a 529 CFM)	150 a 180 HP (112 a 135 KW)	11.00 kg (24.20 lbs)	647 mm (25.47")	255 mm (10.04")	161 mm (6.34")	9 mm (0.35")	102 mm (4")	288 mm (11.34")	EP 220	ES 220
C 241	15 a 18.0 m ³ /min (529 a 635 CFM)	180 a 215 HP (135 a 160 KW)	13.50 kg (29.70 lbs)	710 mm (27.95")	-	140 mm (5.51")	10 mm (0.39")	102 mm (4")	310 mm (12.20")	EP 240	ES 240
C 251	18.0 a 20.0 m ³ /min (635 a 706 CFM)	215 a 240 HP (160 a 179 KW)	13.60 kg (30.00 lbs)	714 mm (28.11")	-	140 mm (5.51")	10 mm (0.39")	133 mm (5.25")	337 mm (13.27")	EP 250	ES 250
C 261	20.0 a 21.0 m ³ /min (706 a 741 CFM)	200 a 260 HP (149 a 194 KW)	14.50 kg (31.90 lbs)	780 mm (30.71")	-	140 mm (5.51")	10 mm (0.39")	130 mm (5.12")	337 mm (13.27")	EP 260	ES 260
C 311	21.0 a 28.0 m ³ /min (741 a 988 CFM)	260 a 320 HP (194 a 239 KW)	16.70 kg (36.80 lbs)	785 mm (30.90")	-	200 mm (7.87")	10 mm (0.39")	152 mm (6")	373 mm (14.69")	EP 310/P	ES 310/P
C 351	28.0 a 35.0 m ³ /min (988 a 1235 CFM)	320 a 380 HP (239 a 283 KW)	21.00 kg (46.25 lbs)	800 mm (31.50")	-	200 mm (7.87")	10 mm (0.39")	152 mm (6")	420 mm (16.53")	EP 350	ES 350
C 431	35.0 a 43.0 m ³ /min (1235 a 1517 CFM)	380 a 450 HP (283 a 335 KW)	29.00 kg (63.90 lbs)	971mm (38.23")	-	200 mm (7.87")	10 mm (0.39")	152 mm (6")	478 mm (18.82")	EP 430	ES 430

Notes: 1) In normally aspirated engines the model selection by horsepower range is just a recommendation. 2) In turbocharged or turbo-aftercooled engines the correct model selection is based on the maximum air flow. 3) For particular applications you have a complete line of installation accessories.



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PRODUCTS

This range combines the security of a primary and safety-element with an efficient, dynamic precleaner available in one compact, single-connection package. DUSTBUSTER Combination Precleaner / Air Filters have a steel housing with static vanes and a corrosion-proof rotor mounted on dual ball bearings over double-welded plate steel. The adjustable mounting band makes installation flexible. O'CUATRO Combination Precleaner / Air Filters are powder coated for a durable, corrosion-resistant finish.

Air flows range from 18 to 1517 CFM (0.5 to 43.0 m³/min). Complete specifications are provided on the previous page.

HOW THEY WORK

At first stage, air enters the precleaner portion through static vanes, causing the air to spin. As the air spins, centrifugal force separates dust, dirt, insects, rain and snow from the air stream. The swirling air drives a high velocity rotor that acts as a blower, evacuating contaminants through special discharge ports in the side of the assembly.

Only purified air flows to the air filter elements (primary and safety stage of filtration). These elements retain the 99,9% of the contaminants which were not eliminated in the first stage. Then clean air flows to the engine through the outlet pipe.

FEATURES AND BENEFITS

- Precleaner removes up to 90% of impurities from intake air before the air enters the filter elements.
- Extend engine air filter life.
- Reduce down time.
- Prolong engine and turbocharger life.
- Save on fuel costs.
- Adjustable mounting band is standard. Replacing the existing air cleaner with an DUSTBUSTER combination system requires just a few additional inches in length.
- Restriction indicator tapping point is standard.
- Wide range of applications and flow rates.
- Steel housing, powder coat.
- High air flow, low differential design.
- Standard element replacement.
- Safety element is standard in most models.
- Compact size and easy installation.
- Three stage filter with only one connection to the engine.
- The precleaner is self-powered and self-cleaning, requiring no electrical or exhaust gas power to dispose of separated particles. It requires virtually no maintenance and should be inspected occasionally to insure that no foreign material has plugged intake or exhaust port areas.

APPLICATIONS

DUSTBUSTER Combination Dynamic Precleaner / Air Filters are specifically designed to be connected to the air intake of the gasoline, diesel or compressed natural gas engines. The advantages of the systems include their compact size and ease of installation. The three-stage air filtration systems are designed with only one connection to the engine. Their applications include agricultural machinery; earth moving, construction and mining equipment; stationary engines; generator sets; trucks; pick-ups; off-road vehicles; material handling equipment; snow removal equipment and street sweepers.

