o'cuatro

advanced filtration technology

MO GR

EXTERNALLY MOUNTED DYNAMIC ENGINE AIR PRECLEANERS

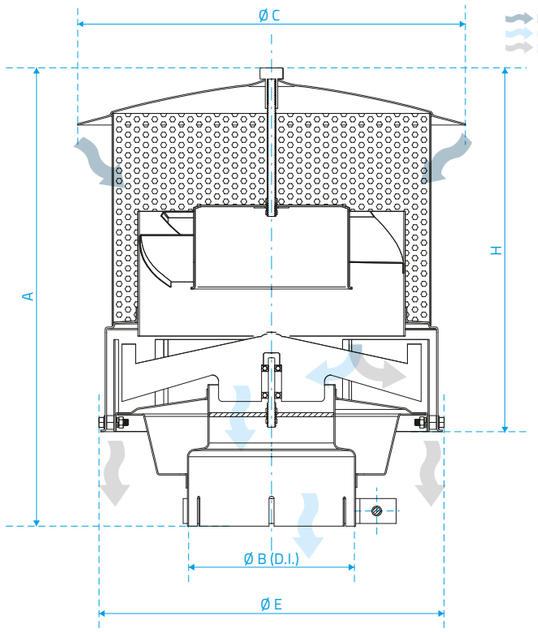
For Agriculture, Earth Moving Machinery and Stationary Applications

3,5 to 40,0 m³/min.

These Air Precleaners consist of a steel housing with static vanes and a rust-proof rotor mounted on dual ball bearings over double-welded plate steel. The perforated metal pre- screen at the inlet is standard.
The outlet tube can be adapted with the supplied reducing sleeves for a variety of outlet choices. OCUATRO Engine Air Precleaners are powder coated for a durable, corrosion resistant finish. Air flows range from 53 to 1411 CFM (1.5 to 40.0 m3/min.).

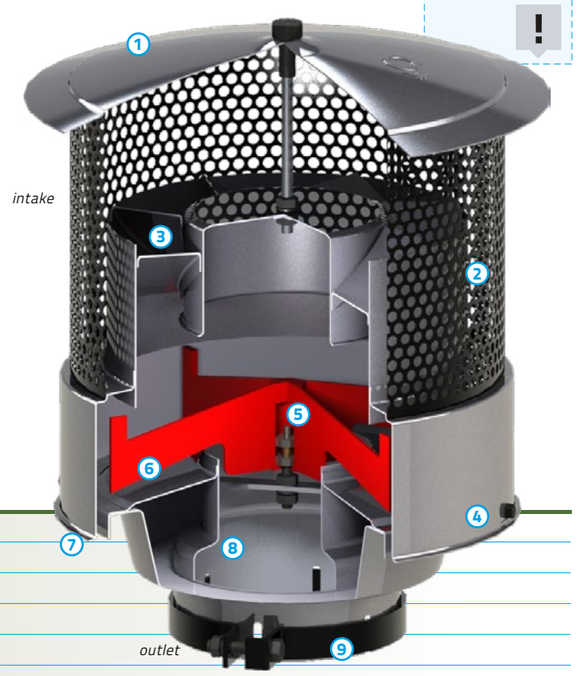
MODEL	AIRFLOW RANGE m³/min (CFM) (1)	HORSEPOWER RANGE HP (Kw) (2)	WEIGHT Kg. (Lbs.)	Dimensions A mm (") (3)	H mm (")	ØC mm (")	ØE mm (")	ØB Outlet Size mm (") (4)
MO 414	3.5 - 7.0 (124 - 247)	60 - 120 (45 - 90)	2.85 (6.30)	330 (13)	262 (10.31)	221 (8.70)	199 (7.83)	102; 82; 76; 70 (4; 3.25; 3; 2.75)
MO 818	7.0 - 11.0 (247 - 388)	120 - 160 (90 - 120)	3.55 (7.80)	359 (14.13)	280 (11.02)	272 (10.70)	245 (9.64)	133; 114; 110; 102; 82 (5.25; 4.5; 4.33; 4; 3.25)
MO 919	11.0 - 15.0 (388 - 530)	160 - 220 (120 - 165)	4.60 (10.10)	371 (14.61)	293 (11.54)	311 (12.24)	276 (10.87)	152; 133; 127; 114; 102 (6; 5.25; 5; 4.5; 4)
GR 183	15.0 - 22.0 (530 - 776)	220 - 300 (165 - 225)	5.80 (12.75)	410 (16.14)	335 (13.18)	357 (14.05)	310 (12.20)	280; 178; 152; 133; 114 (11; 7; 6; 5.25; 4.5)
GR 400	22.0 - 30.0 (776 - 1059)	300 - 400 (225 - 300)	7.50 (16.50)	500 (18.50)	380 (14.96)	415 (16.33)	354 (13.93)	280; 203; 178; 152 (11; 8; 7; 6)
GR 500	30.0 - 40.0 (1059 - 1411)	400 - 550 (298 - 410)	9.50 (20.90)	505 (19.88)	402 (15.82)	475 (18.70)	440 (17.32)	330; 254; 210; 203; 178 (13; 10; 8.26; 8; 7)

(1) In turbocharged or turbo-aftercooled engines the correct model selection is based on the maximum air flow.(2) In normally aspirated engines the model selection by horsepower range is just a recommendation. .
(3) The height "A" varies by diameter ØB. The value given is the tallest team in each family.
(4) The diameters ØB (Outlet Size) are the standard inside diameters. From these the outlet tube can be adapted with reducing sleeves for a variety of smaller outlet choices. These sleeves are provided from Ø 7" to Ø 2.5" generally in 1/4" or 1/2" steps
Oblan s.a. has the right to modify the information contained in this brochure without its previous advise.



IMPURE AIR
CLEAN AIR
IMPURITIES

Occasionally check that no foreign material to block the air intake areas, or discharge of particles.



HOW THEY WORK

O'CUATRO Engine Air Precleaners are usually installed in place of the rain cap, dust bowl, or aspirated precleaner (exhaust system). In some applications,they can be mounted directly to the air cleaner.
Air enters the system through a pre-screen that removes large debris. It then flows 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 at the bottom or in the side of the unit. Only purified air flows to the air filter elements.

1. Cap
2. Screen (air int
3. Static Vanes
4. Housing
5. Two Ball Bearings
6. Rotor (spinner)
7. Discharge Ports
8. Outlet Pipe (to air cleaner)
9. Clamp

APPLICATIONS

O'CUATRO Engine Air Precleaners are designed to be mounted on or connected to the air filter intake of a gasoline, diesel or compressed natural gas engine air cleaner. Their applications include all slow-moving and industrial equipment such as agricultural machinery; earth moving, construction and mining equipment; pumping plants; generator sets; material handling equipment; snow removal equipment and street sweepers.

90% — ***EFFICIENCY*** *Removes up to 90% of impurities (dust, snow, rain, etc.) Before they reach the air filter.*

10x — ***AIR FILTER*** *Extend engine air filter life up to 10 times.*

50% — ***LESS MAINTENANCE*** *Reduce down time by up to 50%.*

MORE SHELF LIFE *Prolong engine and turbocharger life.*

-10% — ***SAVING*** *Save up to 10 % on fuel costs.*

EASY TO INSTALL *Three plastic outlet reduction sleeves are provided with each assembly.*

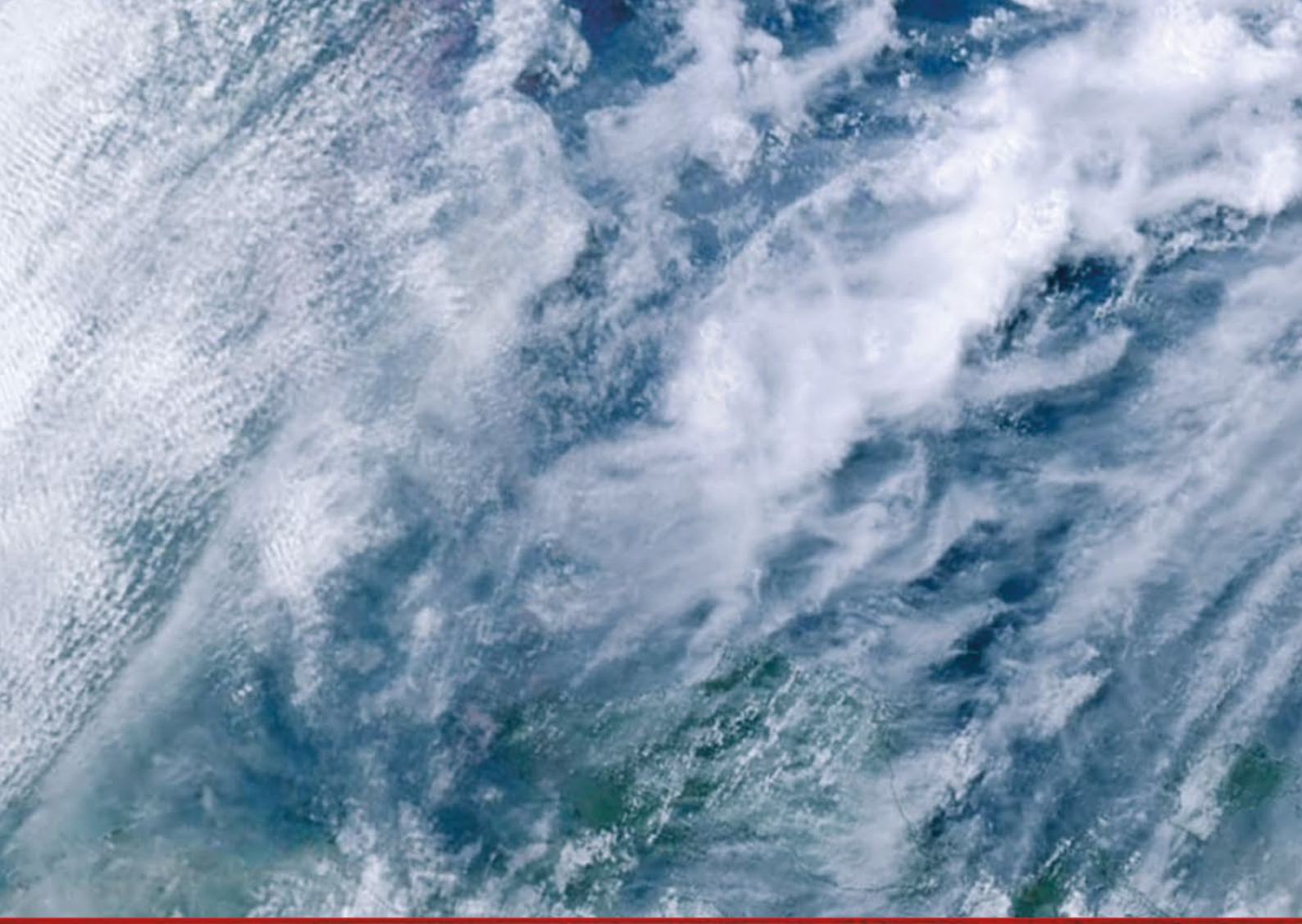
VERSATILITY *Wide range of applications and flow rates.*

DURABILITY *Steel housing, powder coat.*

SELF-PROPELLED *No required electricity or connection to the exhaust gas power to perform the filtering.*

SELF-CLEANING *They require virtually no maintenance.*

AIR FLOW *Large airflow, low values of additional restriction.*



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OBLANSA

QUALITY SYSTEM CERTIFICATION ISO 9001:2008 DNV

www.ocuatro.com

Sales Office
Ave. López y Planes 4401 (S3000DNJ) Santa Fe, Rep. Argentina
+54 342 4561515 / 4556587/8 - oblan@ocuatro.com

Manufacturing Plant
Highway Santa Fe-Rosario y Route 19 (3016) Santo Tomé, Rep. Argentina
+54 342 4752800 - tecnica@ocuatro.com

@ocuatrofiltros