

215R30

Diesel Spin-On Filter On Air Compressor

Market Application Publication



Application

XAS 375 features a Caterpillar ATEX C4.4 engine and provides 375cfm with a max pressure of 100psi.

This air compressor is used in various offshore applications where a continuous high volume and air pressure is required. The DNV frame makes it suitable for offshore use.

The Problem

Contaminated fuel was causing the primary engine fuel filter to plug early, causing frequent and costly downtime. Racor fuel filtration was installed as a pre-filter to avoid costly down time due to fuel containment issues. When you are miles offshore, engine down time due to fuel contaminates is not acceptable.



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The Solution

The Racor 215R30 fuel filter / water separator was selected. It is equipped with clear bowl, integral priming pump and Aquabloc® media filter element.

Why was Racor Chosen as the Solution

The Racor 215R30 filter was chosen because of the compact size, ease of installation and increased capability of capturing contaminants. The customer recognizes how well the Racor fuel filtration products perform in the toughest environments. By combining proven durability and performance with a cost effective pre-filter, the customer has been able to keep critical equipment from having down time in a market segment that does not tolerate any delays.



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How the solution works

The Spin-on Series allows for many different options. The see thru collection bowl allows for water-in –fuel condition to be visually identified immediately. The engineered polymer bowls are reusable, impact-resistant and virtually indestructible. Only the element is replaced during a change out. The Spin-on Series allows for bowl upgrades to include a water sensor and a heater for colder climates. A hand primer and electric primer pump are also found in the Spin-on Series.



Replacement Element: **R15P**

Diesel 100 & 200 Spin-On Series



MODEL	110A	120A	140	215	230	245
Maximum Flow Rate	15 gph / 57 lph Diesel 35 gph / 132 lph Gas	15 gph / 57 lph	15 gph / 57 lph	15 gph / 57 lph	30 gph / 114 lph	45 gph / 170 lph
Gasoline or Diesel ¹	Both	Both	Both	Diesel	Diesel	Diesel
Vacuum Installation	Yes	Yes	Yes	Yes	Yes	Yes
Pressure Installation	Yes	Yes	Yes	Yes	Yes	Yes
Maximum PSI ² / kPa	100 psi / 690 kPa	7 psi / 48 kPa	7 psi / 48 kPa	30 psi / 207 kPa	30 psi / 207 kPa	30 psi / 207 kPa
Clean Pressure Drop PSI/kPa	0.15 psi 1.03 kPa	0.15 psi 1.03 kPa	0.01 psi 0.07 kPa	0.12 psi 0.83 kPa	0.31 psi 2.14 kPa	0.61 psi 4.21 kPa
No. of Ports	4	4	2	3	3	3
Port Size	1/4" NPT/ M14 x 1.5	1/4" NPT/ M14 x 1.5	1/4" NPT/ M14 x 1.5	1/4" NPT/ M14 x 1.5	1/4" NPT/ M14 x 1.5	1/4" NPT/ M14 x 1.5
Integral Primer Pump ³	No	No	No	Yes	Yes	Yes
Replacement Element No. ⁴	R11	R12	R12	R15	R20	R25
Bowl/See-Thru	No	Yes	Yes	Yes	Yes	Yes
Bowl/Metal ¹	STD	Yes	Yes	Yes	Yes	Yes
Drain Type	Positive Seal	Positive Seal	Positive Seal	Positive Seal	Positive Seal	Positive Seal
Water Sensor Option ⁵	Yes	Yes	Yes	Yes	Yes	Yes
Electric Heater Option ⁵ (12V/24V)	No	No	No	Yes	Yes	Yes
Height	6" / 152 mm	6.5" / 166 mm	6" / 152 mm	8.3" / 211 mm	9" / 229 mm	10.5" / 267 mm
Width	3.2" / 81 mm	3.2" / 81 mm	3.2" / 81 mm	4" / 102 mm	4" / 102 mm	4" / 102 mm
Depth	3.2" / 81 mm	3.2" / 81 mm	3.2" / 81 mm	4" / 102 mm	4" / 102 mm	4" / 102 mm
Weight	1.3 lbs / 0.59 Kg	1.1 lbs / 0.50 Kg	1.1 lbs / 0.50 Kg	1.8 lbs / 0.80 Kg	2 lbs / 0.90 Kg	2.2 lbs / 1.0 Kg

- Notes: (1) Metal bowls should be used for gasoline installations.
 (2) Pressure installations are applicable up to the maximum PSI/kPa shown.
 (3) Models with integral primer pumps are not recommended for gasoline applications.
 (4) Replacement element micron rating can be specified as "S" for 2 micron, "T" for 10 micron, or "P" for 30 micron, except for R11.
 (5) Not for use with gasoline applications.