

Transportation Filtration

Diesel Spin-on Series
660R30 for Nissan Navara Truck

Market Application Publication



The Challenge

The Racor distributor located in Nairobi, Kenya, service their customers light duty diesel trucks that operate all over Kenya and experience many different qualities of fuel. The on-engine fuel filtration system was inadequate and often bypassed water and particulate to the engine injectors, damaging them in the process. This caused many hours of downtime, affecting profits for the customer. The customer needed a fuel filtration system to prevent their service vehicles from succumbing to the poor fuel quality.

Why Racor was Chosen as the Solution

The Racor 660R30 diesel spin-on series was chosen for it's ability to maximize engine protection with a low-profile and easy-to-fit size. The Aquabloc® filter media provides high efficiency, long life and unsurpassed water-removal performance.



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The Solution

Racor's 660R30 series spin-on fuel filter was chosen as the solution.

- Aquabloc® filter media
- See-thru collection bowl for at a glance inspection
- 200-watt in-bowl resistance heater
- Water sensor



ENGINEERING YOUR SUCCESS.

Diesel Spin-On 600 Series

Cost-Effective Visual Inspection

See-thru collection bowls allow a water-in-fuel condition to be immediately visible.

Environmentally Friendly

Engineered polymer bowls are reusable, impact-resistant and virtually indestructible. When it's time for service, only the filter element is replaced - the see-thru bowl and drain valve assembly are reused. The long life cycle of the bowl saves money and reduces the environmental impact through disposal of less material.

Easy Upgrades

See-thru bowls provide connection ports for upgrades that enhance engine performance and reliability. Powerful in-bowl heaters can be added to improve operation in colder climates and electronic sensors alert the operator to drain water in the bowl.

Corrosion-Free Construction

Advanced polymer technology means bowls will not deteriorate from water collection, alcohol-blended fuels, exposure to harsh additives or UV light.

645 - 660 - 690

Maximize engine protection with a low-profile, easy-to-fit filtration system

The 600 Series offers engine owners an economical system for applications where an integral primer pump is not needed. Flow rates up to 120 gph, in-bowl heater and water sensor are all available options.



| M E D I U M F L O W | | | |
|---|--------------------|--------------------|-------------------|
| MODEL | 645 | 660 | 690 |
| Maximum Flow Rate | 45 gph / 170 lph | 60 gph / 227 lph | 90 gph / 341 lph |
| Gasoline or Diesel | Both | Both | Both |
| Vacuum Installation | Yes | Yes | Yes |
| Pressure Installation | Yes | Yes | Yes |
| Maximum PSI / kPa | 30 psi / 207 kPa | 30 psi / 207 kPa | 30 psi / 207 kPa |
| Clean Pressure | 0.01 psi | 0.05 psi | 0.29 psi |
| Drop PSI / kPa | 0.07 kPa | 0.34 kPa | 2.0 kPa |
| No. of Ports | 7 | 7 | 7 |
| Port Size | 3/8" NPT / 16 mm | 3/8" NPT / 16 mm | 3/8" NPT / 16 mm |
| Integral Primer Pump ² | No | No | No |
| Replacement Element No. ³ | R45 | R60 | R90 |
| Bowl / See-Thru | Yes | Yes | Yes |
| Bowl / Metal | No | No | No |
| Drain Type | Self-Vent | Self-Vent | Self-Vent |
| Water Sensor Option ⁴ | Yes | Yes | Yes |
| Electric Heater Option ⁴ (12V/24V) | Yes | Yes | Yes |
| Height | 8.46 / 215 mm | 10.2 / 259 mm | 11.2 / 284 mm |
| Width | 4.5 / 114 mm | 4.5 / 114 mm | 4.5 / 114 mm |
| Depth | 4.5 / 114 mm | 4.5 / 114 mm | 4.5 / 114 mm |
| Weight | 2.35 lbs / 1.07 Kg | 2.58 lbs / 1.17 Kg | 2.65 lbs / 1.2 Kg |

Notes:

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