

Triple R Oil Cleaners

High Capacity Bypass Oil Cleaning Systems
for Engine Oils



Triple R



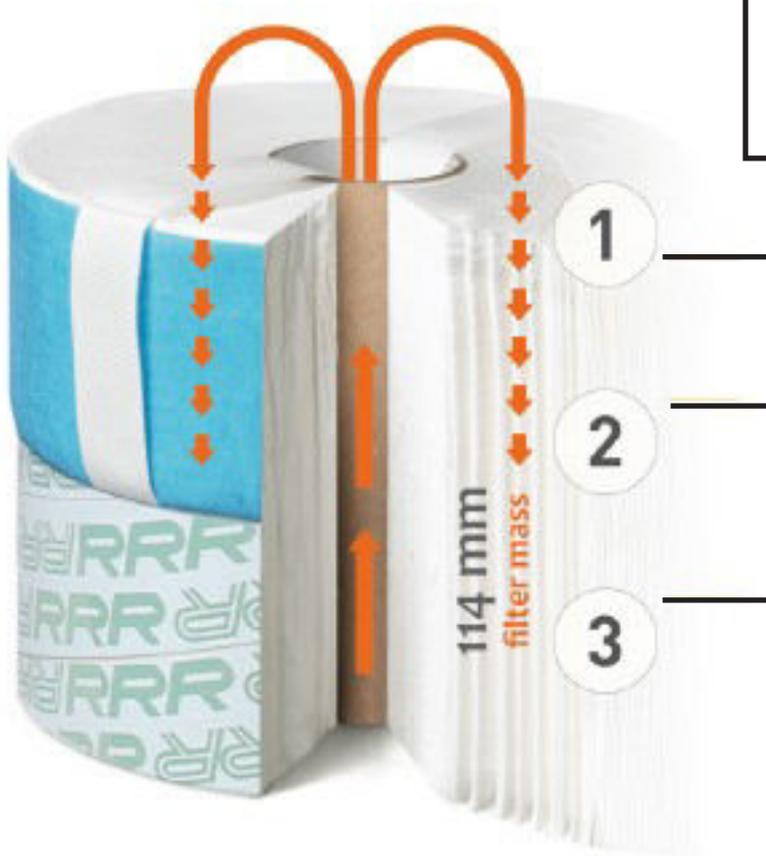
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Designed to Perform

Revolutionary media and element design are at the heart of every Triple R Oil Cleaner System, and the only way to guarantee absolute filtration effectiveness.

The filter design allows the oil to flow under pressure through 114mm of engineered media with three distinct stages of filtration and water absorption.



1st Stage

Large particles are retained on the top of the filter element.

2nd Stage

Smaller particles are trapped in the mid stage of the filter element.

3rd Stage

The smallest particles are trapped in the lower and compressed part of the filter.

A card sleeve compresses the lower part of the element to increase the density and a non-woven cloth protects the base and stops particle migration.

Importantly, the cellulose media allows water absorption of up to 200 millilitres within the filter, reducing the water concentration in oil to less than 100 parts per million.

Equally noteworthy is the efficiency of the filter media in removing resins, metals and oxidation products, all of which are extremely damaging to close-tolerance components.

Clear Superiority

Triple R Bypass Filters use a specially engineered cellulose medium that remove solids, absorb water and completely remove resins and oxidation products. This makes Triple R Bypass Filters all-in-one OIL CLEANING devices, and not just oil filters.

The Triple R Filter Element is a depth loading design made up of multiple layers of cellulose media.



Triple R Oil Cleaners protect every engine gas or diesel, transmission and hydraulic systems, and come in a range of capacities for every application. Filter elements can be specified in 3, 5 and 10- micron for specific operations.

Manufactured from a specifically-engineered cellulose material wound onto a central core, the Triple R element combines theoretical filtration principals to achieve absolute filtration -low flow, low pressure and depth loading axial filtration- flow direction from the top to the bottom.

The Clear Advantage of Triple R Oil Cleaners

A common misconception is that regular oil filter replacement is sufficient to keep oil clean - and equipment well protected. But standard spin on oil filters remove only the largest particles of contamination. In other words, oil is almost never as clean it should be - or can be. It's not absolutely clean.

When the oil is passed through a new spin on oil filter, only solid contamination in the 20-40-micron range is removed. In most applications, this is standard operating procedure. However, the vast majority of damaging solid and liquid contamination is much smaller, 4-7 micron. Real world testing proves the clear superiority of oil filtered by Triple R Oil Cleaners.



A New Standard

Triple R Oil Cleaners introduce a new standard for system performance and reliability by purifying oils in engine, transmission and hydraulic systems. Triple R Oil Cleaners can be specified for any sump capacity and are easily connected to the corresponding lubricating oil system. Beyond the filtration of solid particles, Triple R Oil Cleaners provide important benefits that extend full flow filter life as well as reducing maintenance cost by maximizing water absorption, removal of sludge, resins and soot.

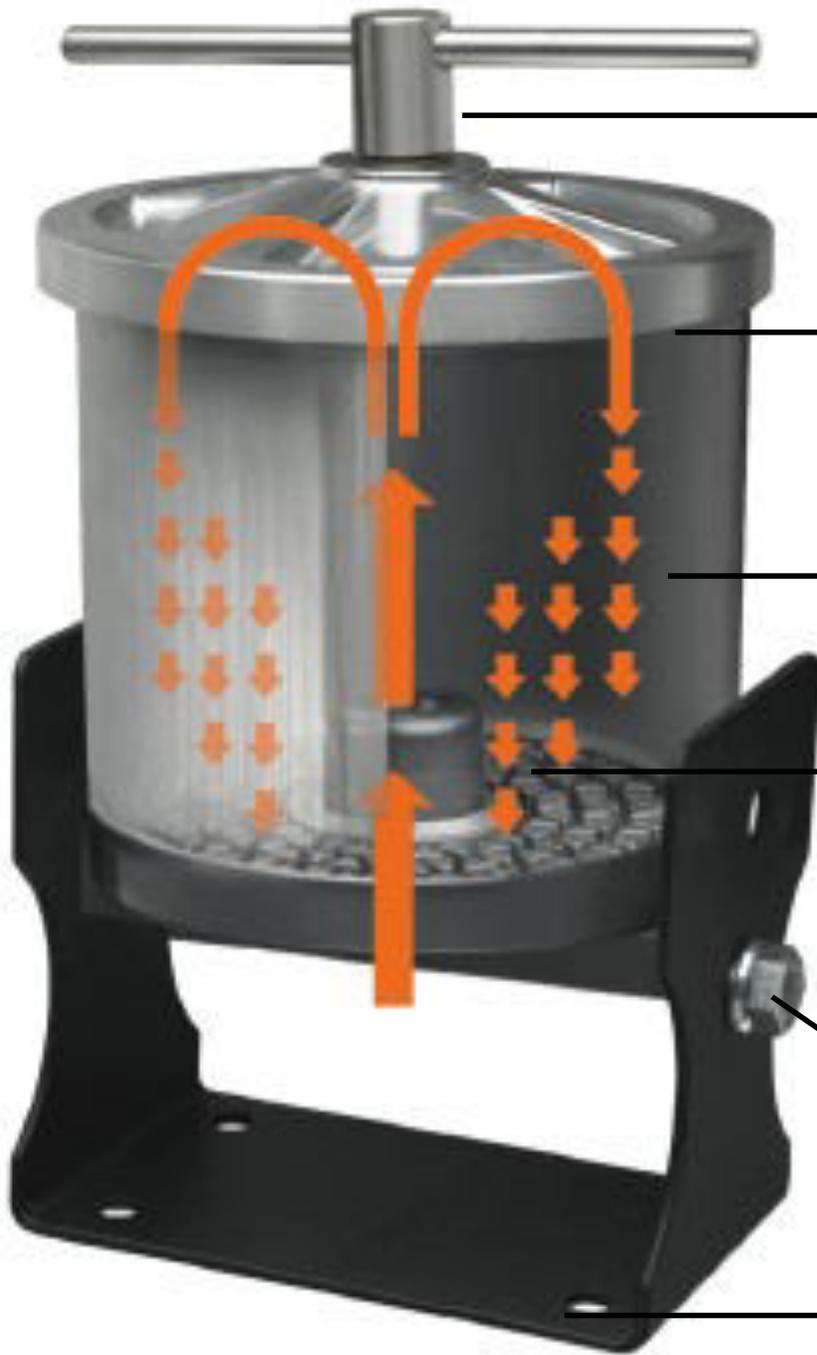
Benefits

- Removes up to 99% of all solid contaminants
- Reduces the water concentration to less than 200 ppm
- Eliminates damaging resins and oxidation products
- Extends oil change intervals
- 2 to 4 times fewer expensive full flow filter cartridges
- Extends the life of all components
- Provides a significant reduction of oil consumption and oil disposal cost
- An important decrease of equipment down time
- Rugged design
- Will not void machine warranty
- Reduces operating cost and increases profits



The intricately channelled base provides a large footprint to fully support the element under pressure, ensuring uniform loading of the element. Ultraclean oil flows through the channels into the clean oil stream.

Built to Last



Tool-less access and easy service via the T-handle.

A multi-layered engineered cellulose media presents a massive surface area to remove solid contamination and emulsified water. The result is both exceptional dirt holding capacity and removal of water concentration to less than 200 parts per million.

Triple R offers 3, 5, 10 micron replacement elements to further tailor to filtrations needs. No other company offers so many choices.

The engineered base design at the bottom of the housing supports the element under high pressure and provides a channelled migration path for clean oil to flow back into the primary oil stream.

Triple R offers hose and high quality fittings and adapters.

The Oil Cleaner is designed as a top load filter, but can be mounted at any angle using the heavy-duty mounting bracket.

Filters & Housings

All TRIPLE R filters have been tested according to the official Multipass Test (ISO 4572 and ISO 16889), and have an absolute μ -value in compliance with the international filter standards. Studies made by independent oil laboratories prove that TRIPLE R fine filter elements ensure the best possible oil cleanliness according to ISO 4406:2017 (down to code 11/9/7).

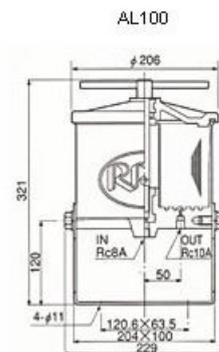


Element	
M100	3 micron filter (Green) $B_3 = 929$
E100	5 micron filter (Blue) $B_5 = 539$
X100	10 micron filter (Orange) $B_{10} = 145$
D100	3 micron high capacity filter (Red) $B_3 = 458$

Specifications	TR-10450
Maximum Pressure	72.5 PSI (5 bar)
Capacity	4.7
Port Size (inlet/ outlet)	1/4" BSPT
Dimensions	W204 x H321 mm
Weight	6.8 kg
Seal Kit	TR-44250



Triple R



Filtration Systems for Heavy and Medium Duty Applications

The benefits of absolute filtration are multiplied as sump or tank volume is increased. Three series of high capacity housings are offered, aluminium, stainless steel and carbon steel. Capacities range from 100 to 250 litres, utilising from two to five filter elements. Filter media can be specified in 3, 5 and 10- micron ratings. These high capacity filtration units are designed to efficiently and cost effectively clean large volumes of lubricating fluids. It combines Triple R's unique depth loading filter elements for removal of wear particles, moisture, and sludge in large engine applications. Of note here is the efficiency of Triple R Oil Cleaners in removing free and emulsified water, a particular problem wherever oils are stored.

Specifications	TR-11200	TR-11300
Housing Material	Stainless Steel	Stainless Steel
Engine Sump Capacity Up To	100 L	150 L
Port Size	1/2" BSPT	1/2" BSPT
Dimensions	W236 x H620 mm	W236 x H765 mm
Replacement Filters	(use two) TR20430 (3 micron) TR20470 (5 micron) TR25450 (10 micron)	(use three) TR20430 (3 micron) TR20470 (5 micron) TR25450 (10 micron)
Weight	10.0 kg	13.0 kg
V-band	TR-50030	TR-50030
O-ring	TR-50057	TR-50057



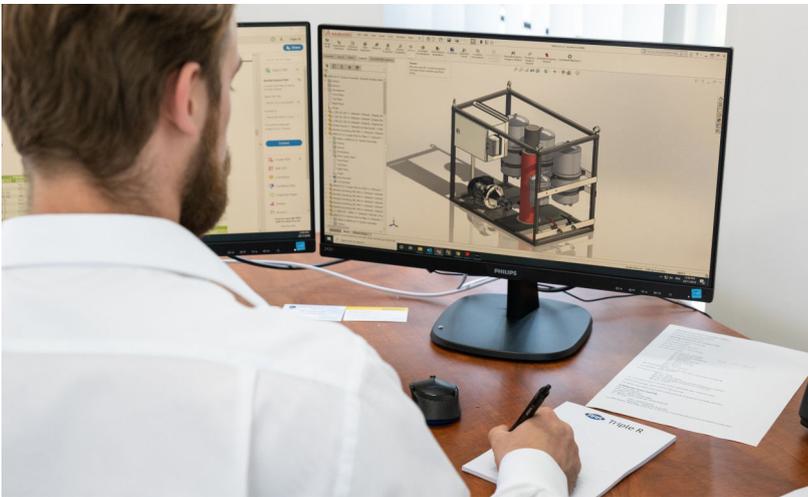
High Capacity absolute Oil Cleaners are space efficient, with footprints from just diameter 200mm to 480mm, and heights from 600mm to 1270mm.

Specifications	TR-11400	TR-11410	TR-10515
Housing Material	Carbon Steel Nickel Plated	Carbon Steel Nickel Plated	Carbon Steel Nickel Plated
Engine Sump Capacity Up To	100 L	150 L	600 L
Port Size	1/2" BSPT	1/2" BSPT	1.0" BSPT
Working Pressure	5.0 bar	5.0 bar	5.0 bar
Dimensions	W300 x H600 mm	W300 x H743 mm	W480 x H1270 mm
Replacement Filters	(use two) TR20430 (3 micron) TR20470 (5 micron) TR25450 (10 micron)	(use three) TR20430 (3 micron) TR20470 (5 micron) TR25450 (10 micron)	(use five) TR20520 (3 micron) TR20510 (5 micron) TR20512 (10 micron)
Weight	18.1 kg	22.0 kg	89.0 kg
O-ring	TR-50082	TR-50082	TR-50058



Triple R Customised Solutions

Due to our own in-house engineering we apply the right system for the job, custom engineered together with our customers. For us, only the best result counts. Comparing oil samples before and after installation show immediate results and the true definition of clean oil. Contact our Triple R team today.



Triple R

VICTORIAN DISTRIBUTION CENTRE

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