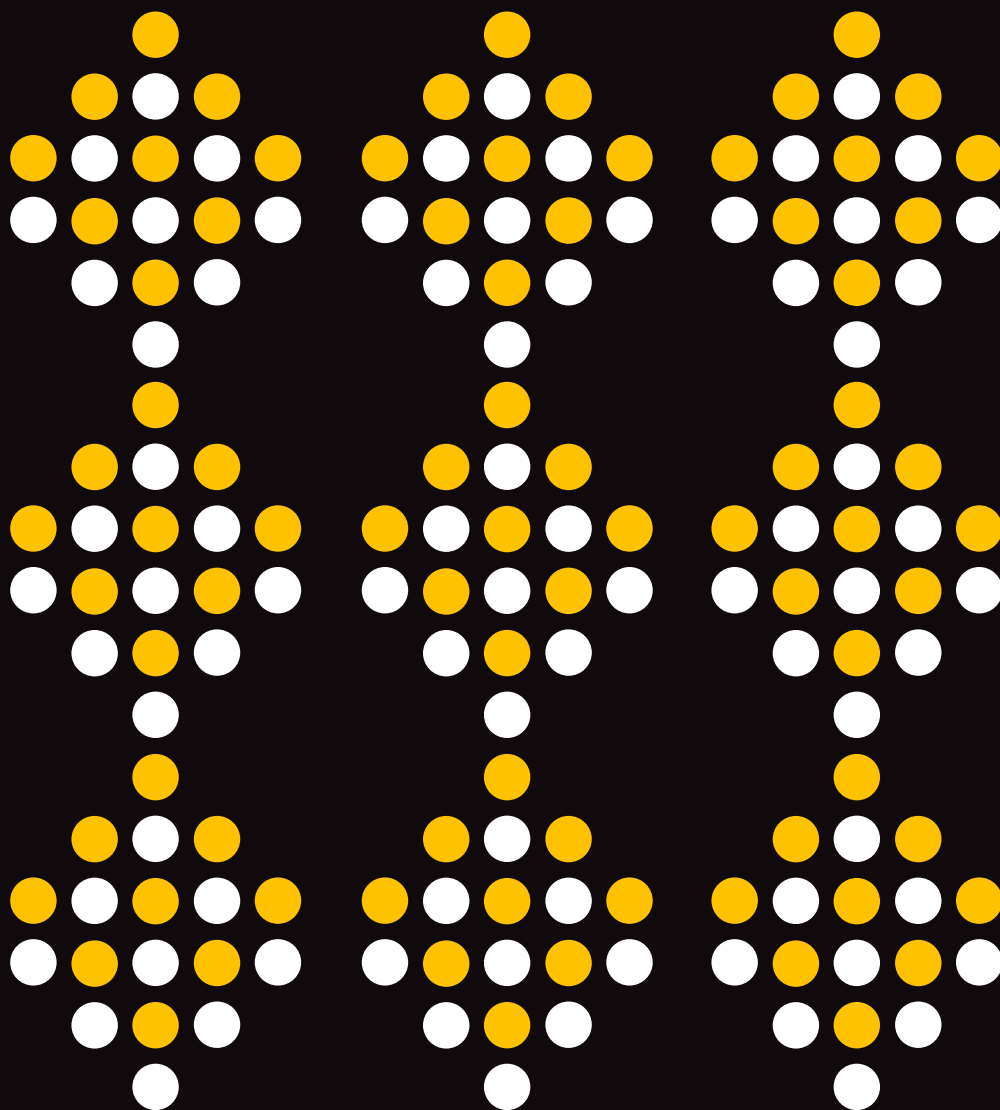


ISON[®]

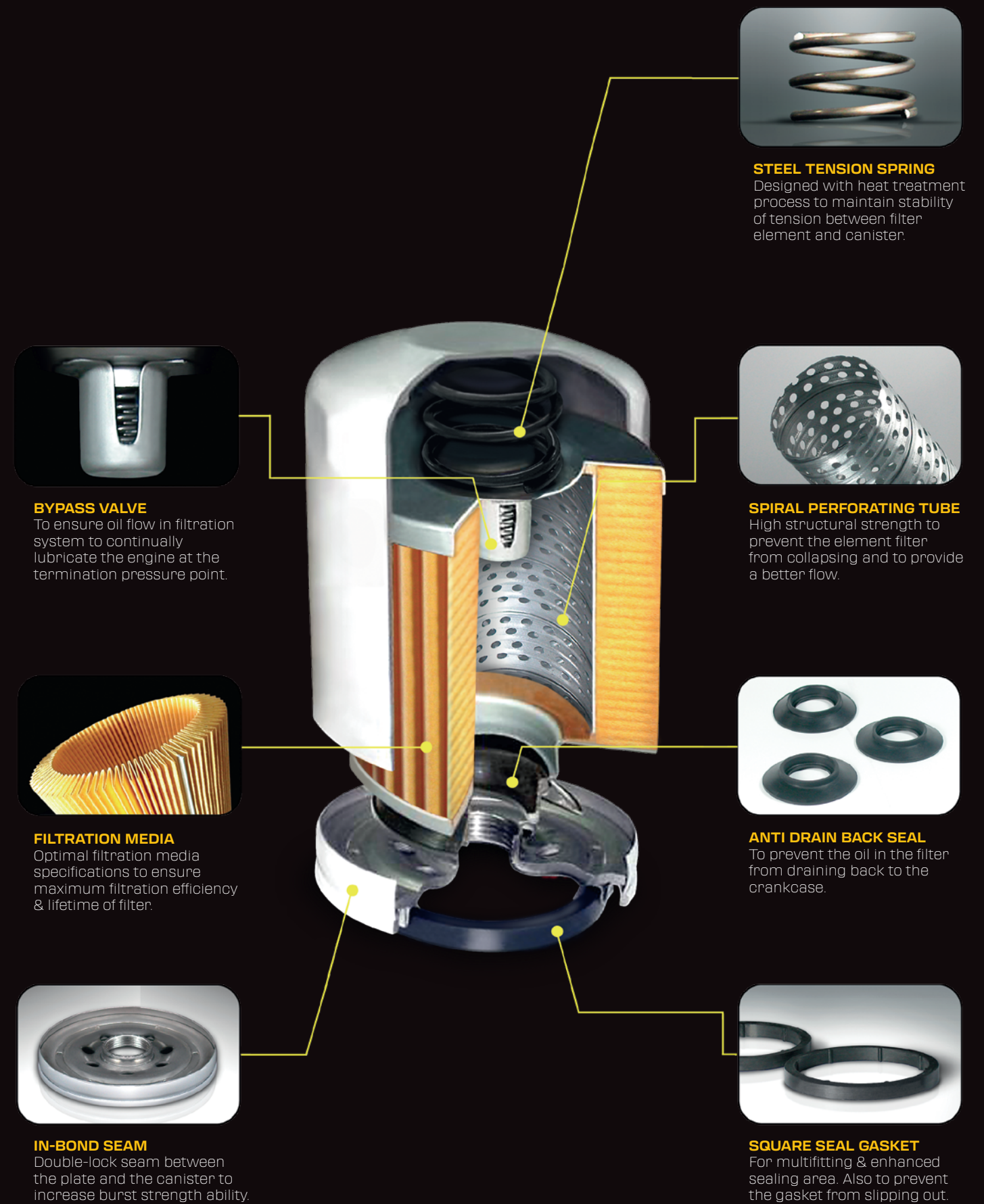
MOTORCYCLE FILTERS



ISON®

ISON is the perfect alternative for motorcycle filters on the market covering over 98% of all motorcycles on the European Market.

ISON filters match and even exceed OEM specifications. With many years of experience in OE automotive and heavy duty machinery, we co-developed a fully new motorcycle filter range. In a comparison test ISON filters scored best in longevity and Filter efficiency, compared to its main competitors.



Tested as premium on the filter market

The newest, most complete and broadest range of motorcycle filters tested best in comparative benchmark.

N°	Type of test	Description
1	IMPULSE	Standard JIS
2	BURST STRENGTH	is the pressure to which the filter can withstand. This must be minimum 17 kg/cm². ISON is at 33 kg/cm².
3	DRAIN BACK	is the flow of oil that comes back through the holes at the bottom or side of the filter. This depends on the design of the filter and also on the fitting. This should always be BENEATH the maximum standard of 100 mL.
4	PRESSURE DROP	is the difference between the initial and the terminal pressure. This depends on the media or filter material. It should never be out of standard.
5	FILTER EFFICIENCY	Initial Efficiency: during the first 11 hours of the test. Full Efficiency: MOST IMPORTANT issue: this gives the percentage of dirt that can be absorbed by the filter. If it is too low, too much dirt can go through the filter which could damage the engine. Lifetime: Another critical point. How long the filter can operate in a test environment with polluted liquid before it is saturated and the bypass valve opens. DHC: Dust Holding Capacity. Indicates how much dust the filter can contain. The more dust it can contain, the longer the life of the filter will be.



The Latest, Most Comprehensive Range on the European Market

ISON oil filters match or even exceed your original filter. A rather complete program for motorcycles was developed and manufactured by a market leader with many years of experience in the production of original filters. In a comparison test ISON scored best in longevity and filter efficiency.

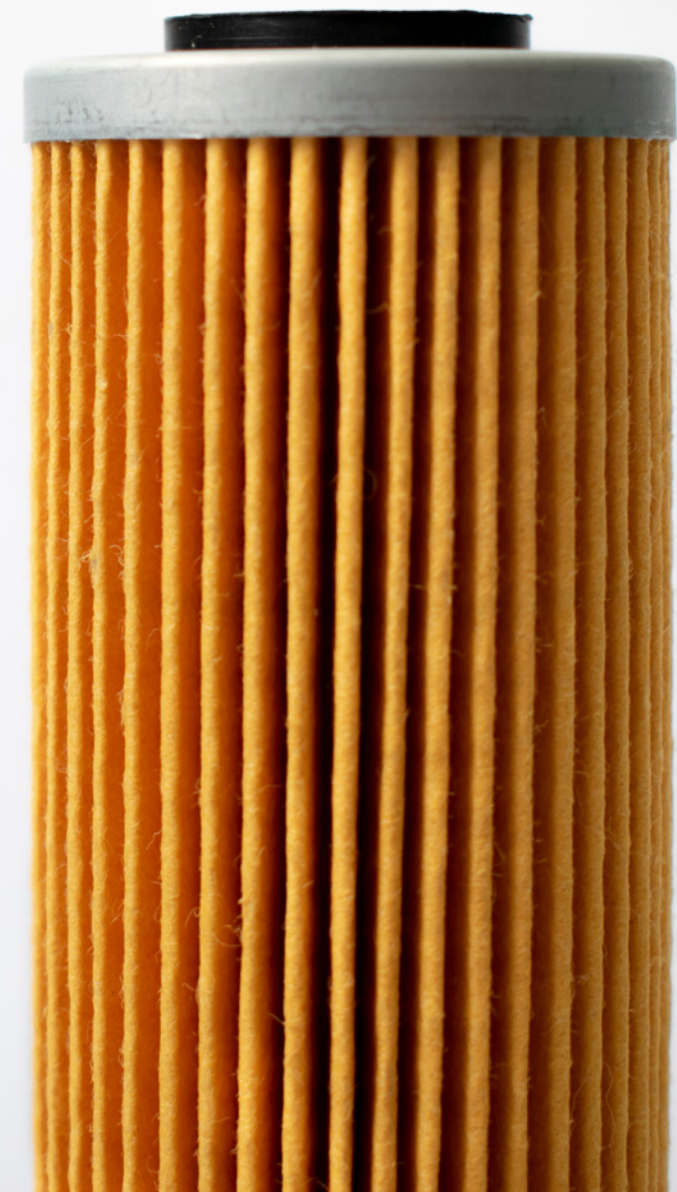
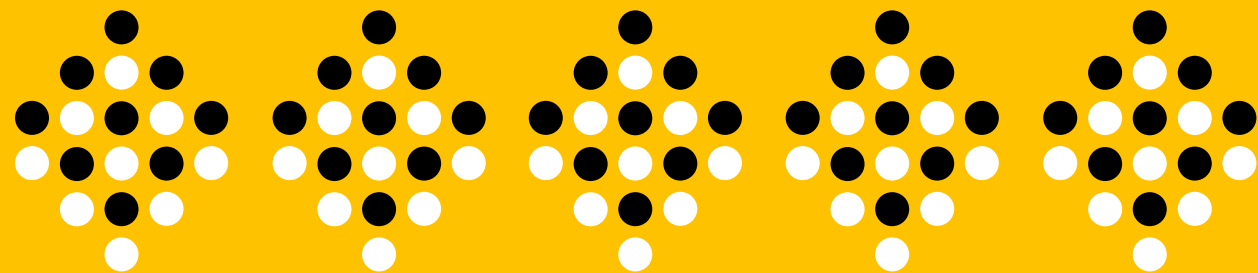
Spin on filter comparison

between ISON and equal filters from different manufacturers

N°	Type of test	Condition		Filter tested							
				ISON 204		Brand 1		Brand 2		Brand 3	
1	IMPULSE	Temperature 100±2 °C Base pressure 2 kgf/cm² Peak pressure 9 kgf/cm² Frequency 90 cpm Standard Min. 50.000 cycles		75.000 Cycles (No leak)		75.000 Cycles (No leak)		75.000 Cycles (No leak)		75.000 Cycles (No leak)	
2	BURST STRENGTH	Test fluid ISO VG 22 Time 1 minute Standard Min. 17.0 kg/cm²		33,0 kg/cm²		28,0 kg/cm²		30,0 kg/cm²		27,5 kg/cm²	
3	DRAIN BACK	Test fluid ISO VG 100 Temperature 80±3 °C Duration 6 hours Standard ≤ 100mL		71 ml		60 ml		87 ml		31 ml	
4	PRESSURE DROP	Test fluid ISO VG 100 Temperature 73±3 °C Flow rate 10 liter/minute Standard ≤ 0,3 kg/cm²		0,22 kg/cm²		0,15 kg/cm²		0,19 kg/cm²		0,13 kg/cm²	
5	FILTER EFFICIENCY	Test fluid ISO VG 100 Temperature 80±3 °C Flow rate 10 liter/minute Standard - Initial Efficiency ≥75% - Full Efficiency ≥85%	Initial Efficiency 77,05% Full Efficiency 92,35% Life time 42,58 hrs DHC 24,34 gr	Initial Efficiency 68,94% Full Efficiency 82,21% Life time 20,20 hrs DHC 9,96 gr	Initial Efficiency 55,64% Full Efficiency 94,51% Life time 34,56 hrs DHC 19,59 gr	Initial Efficiency 72,08% Full Efficiency 86,38% Life time 40,75 hrs DHC 21,12 gr					

Best Quality for Maximum Cleanliness

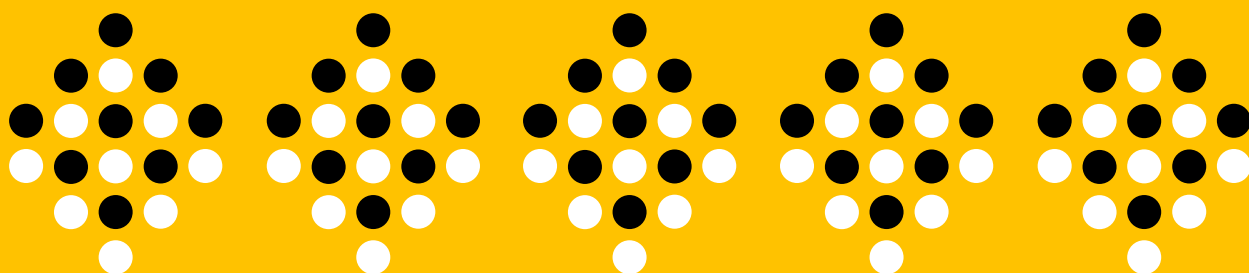
Filters are an essential component to ensure proper long-term operation of your engine. The recommended quality is quite high, though they need to be replaced regularly. ISON filters offers the best quality with highest efficiency and longest lifespan.



We have the perfect filter for every motorcycle.

FIND YOUR OIL FILTER ONLINE

www.ison-filter.com



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