

Increased lifetime, that's what it's about!



The NTF® filter systems for low pressure applications are well known in the market. For over 30 years our filter systems are successfully applied on, among others, rear axles of motor tractors, combustion engines and automatic transmissions of cars, trucks, ships, etc. NTF® filter systems are applied both directly by end users and fleet owners and by manufacturers in serial production (OEM) for optimum protection and longer life span of engines and transmissions.

Ultra efficient micro filter

NTF®-filters are highly efficient micro filters that are installed parallel to the original oil circuit. Engine oil, transmission oil or hydraulic oil are conducted through the filter by the system's (low) oil pressure. The NTF® system has been developed as such that internal leakage and canal shaping are prevented and forces the oil through all wound layers of the filter material. Due to this construction smaller contamination particles, which will pass any main stream filter, can also be removed from the oil. The filter system is equipped with a restriction in order to prevent the oil pressure to drop beneath the required minimum as a result of the created bypass.

At least 10 times more efficient

NTF® bypass filter systems have proven to be 10 times more efficient than any standard main stream filter. This results in very clean oil and demonstrably fewer breakdowns. You will moreover enjoy structural savings in the total cost of ownership of the system.



Concrete Advantages of Cleaner Oil:

- Fewer breakdowns
- Less wear and tear
- Longer oil life
- Frequency of servicing can be reduced
- Structural cost savings
- Longer service life of equipment
- Improved performance
- Environmentally friendly



www.ntf-filter.com

Technical Specifications

Filter type	ATF-09	AL-09	AL-19	AL-29	AL-58
Oil volume engine	appr. 5 liter	appr. 10 liter	appr. 20 liter	appr. 35 liter	appr. 70 liter
Oil volume transmission	appr. 10 liter	appr. 15 liter	appr. 30 liter	appr. 50 liter	appr. 100 liter
Dimensions	Ø 94 x 135 mm	110 x 110 x 144 mm	110 x 110 x 234 mm	110 x 110 x 354 mm	110 x 110 x 654 mm
Weight	0,7 kg	1,5 kg	2,2 kg	3,2 kg	6,4 kg
Volume	0,28 liter	0,62 liter	1,13 liter	1,6 liter	3,2 liter
Connection IN / OUT	M10 x 1	M12 x 1,5	M12 x 1,5	M12 x 1,5	M12 x 1,5
Max. pressure	7 bar	7 bar	7 bar	7 bar	7 bar
Max. temperature	120 °C	120 °C	120 °C	120 °C	120 °C

Filter cartridge	C-09	F-09	F-19	F-29	F-58
Flow direction	radial	radial	radial	radial	radial
Weight	50 g	160 g	300 g	460 g	920 g
Filter surface	150 cm ²	221 cm ²	442 cm ²	735 cm ²	1470 cm ²
Filter efficiency	Beta (β) 4 > 10649	Beta (β) 4 > 10649	Beta (β) 4 > 10649	Beta (β) 4 > 10649	Beta (β) 4 > 10649
Dimensions	Ø 51 x 90 mm	Ø 78 x 90 mm	Ø 78 x 180 mm	Ø 78 x 300 mm	Ø 78 x 600 mm
Seals	Buna NBR 70°	Buna NBR 70°	Buna NBR 70°	Buna NBR 70°	Buna NBR 70°
Absorption capacity	30 ml H ₂ O	45 ml H ₂ O	90 ml H ₂ O	142 ml H ₂ O	284 ml H ₂ O
Flow rate (nom.)	1,6 l/min	1,6 l/min	1,6 l/min	1,6 l/min	1,6 l/min



NTF[®] Radial Micro Filters have proven their value in:

- Engines and automatic transmissions on cars, trucks, busses, fork lifts, tractors, ships, excavators etc.
- Powershifts on tractors
- Stationary engines on pumps, generator sets etc.
- Several fuel applications

Superior filtration to improve your performance



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Dealer

