

Technical Data

STAUFF RTF20 series return filters are designed as tank top filters with a maximum operating pressure of 10 bar (145 PSI) and flows up to 115 l/min (30 US GPM). The filter bowl is designed to return the oil beneath the surface thus preventing entrainment of air. RTF20 series compact design and integral breather make them ideal for mobile hydraulic applications.



Technical Specification

Construction	Tank top flange mounting	Integrated breather	Filter paper 10 or 40 µm
Filter head	Die cast aluminium	By-pass valve (integrated in the filter element)	Allows unfiltered oil to by-pass the contaminated element once the opening pressure has been reached Opening pressure 1.7 bar (25 PSI)
Element bowl and screw cap	Polyamide	Clogging indicators	Gauge indicator 0-6.9 bar (0-100 PSI) with colored segments Electrical, 0.35 - 2.5 bar (5-35 PSI) adjustable
Seals	“O”-Rings NBR (Buna-N®) FPM (Viton®)	Filter elements	Flow characteristics see page F83
Port connections	BSP, NPT, SAE “O”-Ring thread	Media	Mineral oils, other fluids on request
Flow rating	up to 115 l/min (30 US GPM) for 32 cSt (150 SUS) fluids		
Operating pressure	max 10 bar (145 PSI)		
Test pressure	min 24 bar (350 PSI)		
Temperature range	-25°C to +100°C (-13°F to +212°F)		