

Technical Data

STAUFF RTF30 series return filters are designed as tank top fillers with a maximum operating pressure of 10 bar (145 PSI) and flows up to 152 l/min (40 US GPM). The filter bowl is designed to return the oil beneath the surface thus preventing entrainment of air. The RTF30 series compact design and integral breather makes them ideal for mobile hydraulic applications.



Technical Specification

Construction	Tank top flange mounting
Filter head	Die cast aluminium
Element bowl and screw cap	Polyamide
Seals	“O”-Rings NBR (Buna-N®) FPM (Viton®)
Port connections	BSP, NPT, SAE “O”-Ring thread
Flow rating	up to 152 l/min (40 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)

Integrated Breather	Filter paper 10 or 40 µm
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)
Clogging indicators	Gauge indicator 0-6.9 bar (0-100 PSI) with coloured segments; Electrical, 0.35 - 2.5 bar (5-35 PSI) adjustable
Filter elements	Flow characteristics see page F66
Media	Mineral oils, other fluids on request