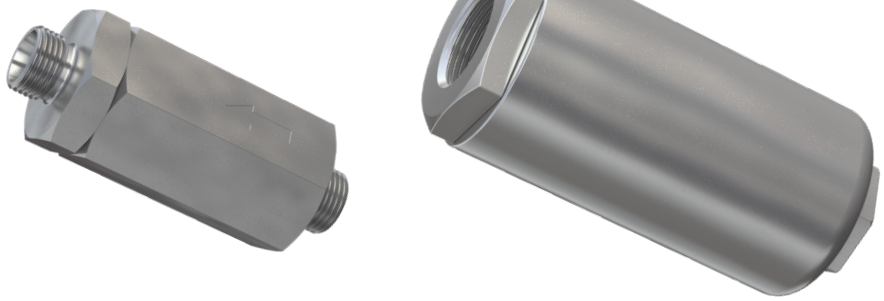
SFIS Series

High-Pressure Inline Safety Filters for Mobile and Industrial Hydraulic Applications - Available in Multiple Different Versions and Sizes



Introduction

The SFIS Inline Safety Filters from STAUFF protect downstream hydraulic components – particularly sensitive control, regulating and throttle valves – from malfunctions or failures caused by contamination.

They retain contaminants that enter the system via frequently connected hydraulic quick couplings and other components, as well as residues left behind during installation, maintenance or repair work. In applications with hydraulic attachments, they also serve as the final line of defense in the return line, preventing contamination-related damage and system shutdowns.

Please note: SFIS safety filters are not designed as standalone solutions, but always form part of a comprehensive filtration concept.

Product Characteristics

- Maximum working pressure up to 250 bar (3626 PSI)
- Working temperature: -20 °C ... +100 °C (-4 °F ... +212 °F) – temporary operation up to +120 °C (+248 °F)
- Housing made from Carbon Steel with STAUFF Zinc/Nickel surface coating for superior corrosion protection – alternative materials and coatings available upon request
- Sealings made from NBR (Perbunan®) – alternative sealing materials available upon request
- Suitable for mineral-based hydraulic and lubrication oils and biodegradable fluids (consult STAUFF before use if unsure)

Filter Inserts

- Replaceable or non-replaceable star-pleated filter inserts – depending on version and size
- Filter media: Stainless steel wire mesh (1.4301) – alternative filter media available upon request
- Filtration ratings: 60 µm or 100 µm – alternative ratings available upon request
- Flow direction from outside to inside of the filter element
- Also available with integrated bypass valves

Product Features

- Safeguarding machinery and equipment by providing efficient protection against collapses caused by hydraulic contamination
- Compact, space-saving and light-weight design
- Robust construction, typically designed with a three-fold safety factor on the maximum working pressure
- Easy and flexible installation, e.g. between hydraulic quick couplings, fittings, hoses, manifolds and components – simple retrofitting into existing systems
- Star-pleated filter inserts offering large effective filter surface, low pressure drop, high dirt-holding capacity and long service life