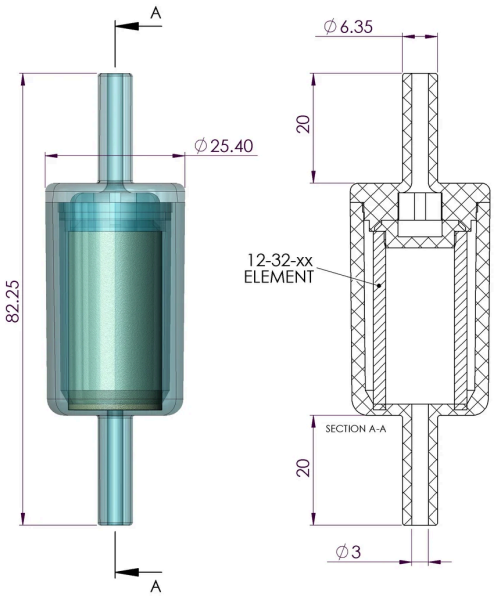
RF-DIF-BN50SI

Disposable In-Line Filter with Colour Change Indicator · Silica-bonded borosilicate microfibre · Grade 50: 99.99+ % at 0.01 µm · Ø 6.35 mm (¼″) hose spigots



Product photo



Flow inside → outside (mandatory) · Do not scale · All dimensions in mm

TECHNICAL SPECIFICATIONS

Model	**RF-DIF-BN50SI**
Former Article No.	RF-N05-CK-SI
Product Type	Disposable in-line filter with colour change indicator – welded body, encapsulated element
Filtration Grade	**Grade 50 – 99.99+ % removal of 0.01 µm particles**
Connections	Hose spigots inlet / outlet, OD Ø 6.35 mm (¼″), length 20 mm, bore Ø 3 mm
Body Diameter	Ø 25.40 mm
Overall Length	82.25 mm
Element Size	Ø 12 × 32 mm (size code 12032), encapsulated
Temperature – Pressure	**max. 110 °C @ 0 bar · max. 8.5 bar @ 50 °C** – limit set by the nylon body

MATERIALS & APPLICATION

Body	Nylon, transparent – element condition visible
Filter Element	Borosilicate microfibre, **silica-bonded**, Grade 50, with indicating dye, permanently encapsulated
Change Signal	**Red dye visible on the outside of the element = replace** (liquid/oil loading; not a Δp indicator)
Typical Service	Portable gas analysers, sample lines and analysis systems needing a robust, quickly replaceable filter
Replacement	Replace the complete filter when loaded in service – no tools, no element change
Appearance	Silica-bonded element **stays white** when heated or oven-dried – no brownish shading that could be mistaken for damage or dirt

GRADE (0.01 µm PARTICLES)

Article	Grade	Removal efficiency
RF-DIF-BN50SI	50	99.99+ %

Other grades with indicator on request

INSTALLATION & CHANGE

Step	Action
1	Install with flow inside → outside, mark direction
2	Element light – filter in service
3	**Red outside – replace, same orientation**

ORDERING

Item	Detail
Article	RF-DIF-BN50SI
Formerly	RF-N05-CK-SI
Body	nylon, transparent
Grade	50 (others on request)
Supply	complete, ready to fit

Selection note: The RF-DIF-BN50SI (formerly RF-N05-CK-SI) is a compact disposable in-line filter with a silica-bonded borosilicate microfibre element and indicating dye, sealed inside a welded, transparent nylon body. When red becomes visible on the outside of the element, replace the complete filter. The indicator shows loading with liquid contaminants (e.g. oil); in dry, dusty gas keep a change interval or monitor the pressure drop. Grade 50 removes 99.99+ % of 0.01 µm particles, which makes it a robust choice for protecting portable analysers and sensitive measuring cells. Push-on hose spigots (OD Ø 6.35 mm) allow quick installation in flexible sample tubing. Values are typical; the order confirmation is binding. Operating limits: up to 110 °C without pressure, up to 8.5 bar at 50 °C (pressure rating decreases with rising temperature). Please check chemical compatibility of nylon with your sample gas.

Need RF-DIF-BN50SI or another grade with indicator? Send us your gas, flow, pressure and quantity – we reply with a technical recommendation and quotation.

info@filter-elements.eu | Request a quote