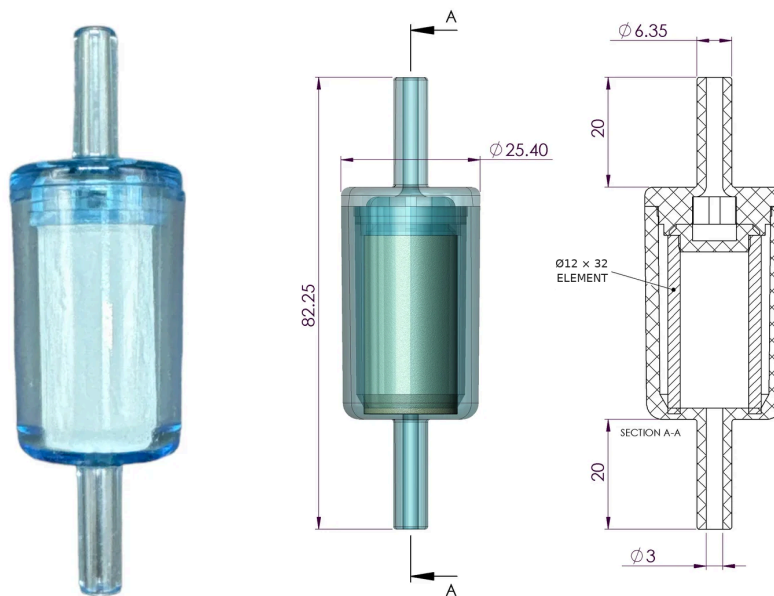


RF-DIF-BN50

Disposable In-Line Filter · Nylon body · Borosilicate microfibre · Grade 50: 99.99+ % at 0.01 µm · Ø 6.35 mm (¼") hose spigots



Product photo

View and section A-A · Do not scale · All dimensions in mm

TECHNICAL SPECIFICATIONS

Model	RF-DIF-BN50
Product Type	Disposable in-line filter – permanently welded body with encapsulated filter 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

MATERIALS & APPLICATION

Body	Nylon, transparent – element condition visible
Filter Element	Borosilicate microfibre, Grade 50, permanently encapsulated (no seals to change)
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	Light brownish shading on new elements comes from drying and firing in production – not a sign of use

GRADE DESIGNATIONS (0.01 µm PARTICLES)

Article	Grade	Removal efficiency
RF-DIF-BN40	40	99.9999+ %
RF-DIF-BN50	50	99.99+ %
RF-DIF-BN60	60	99.5+ %
RF-DIF-BN70	70	95+ %
RF-DIF-BN80	80	75+ %

GRADE SELECTION

Grade	Typical use
40	essentially complete sub-micron removal
50	high-efficiency analyser protection
60 – 70	general fine filtration
80	coarse bulk contamination

ORDERING

Item	Detail
Article	RF-DIF-BN50
Body	nylon, transparent
Grade	50 (other grades: BN40–BN80)
Supply	complete, ready to fit

Selection note: The RF-DIF-BN50 is a compact disposable in-line filter: the borosilicate microfibre filter element is sealed inside a welded, transparent nylon body, so changing it simply means replacing the complete filter. 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-BN50 or another grade? Send us your gas, flow, pressure and quantity – we reply with a technical recommendation and quotation.

info@filter-elements.eu

[Request a quote](#)