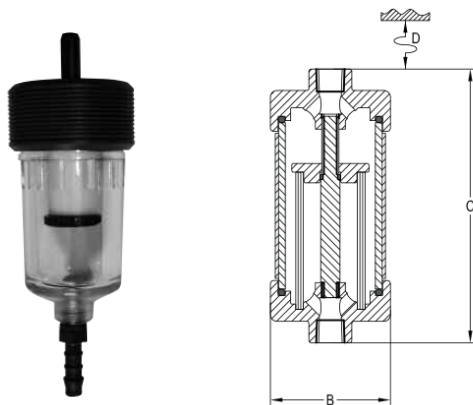


Model RF-HIL-705N

Low-Pressure Inline Filter · 7.0 mm Spigot · 7 bar · Transparent Bowl for Visual Element Inspection



Cross-section · Do not scale · All dimensions in mm

TECHNICAL SPECIFICATIONS

Model	RF-HIL-705N
Port Connections	Ø 7.0 mm spigot (hose barb), inlet / outlet in line
Drain	None (disposable element, permanent housing)
Maximum Pressure	7 bar (102 psi)
Maximum Temperature	50 °C (122 °F)
Internal Volume	60 cc
Weight	60 g
Body Width (B)	44 mm
Overall Length (C)	137 mm
Head Diameter (D)	62 mm
Element Size	12 × 32 mm (12-32 series)

MATERIALS OF CONSTRUCTION

Head, Base & Internals	PVC / Nylon
Bowl	Nylon, transparent
Standard Gasket	Viton® (FKM)

APPLICATION NOTES

Typical Service	Particulate removal from ambient / low-pressure air and inert gases
Design Principle	Permanent housing — only the element is replaced
Visual Control	Element condition visible through the bowl without disassembly
Mounting	Inline in flexible tubing (ID 6–7 mm), no bracket required

REPLACEMENT ELEMENTS

Article	Type
RF-P-12032-XX	Particulate (glass microfibre)
RF-P-12032-XXK	K-Type binder, corrosion resistant
RF-C-12032-XX	Coalescing (C-Type)
RF-SS-12032-NNN	Sintered 316L stainless steel
RF-TF-12032-NNN	Sintered PTFE
12032 = element Ø 12 × 32 mm. XX = fibre grade (UX/HE/ME/ST/PF, see reference below). NNN = micron rating, 3 digits — e.g. RF-SS-12032-003, RF-TF-12032-025.	

METAL / PTFE ELEMENT GRADES

Type	Micron ratings (suffix)	Max T
Sintered 316L SS	1 / 3 / 10 / 25 / 100 µm (-001 ... -100)	50 °C*
Sintered PTFE	3 / 25 µm (-003, -025)	50 °C*
*Limited by the plastic housing (element itself rated to 200 °C). Both types are cleanable (ultrasonic) and reusable.		

SPARE PARTS

Article	Description
RF-A-6V705	Viton® gasket set
RF-A-BW705	Replacement bowl, Nylon
Housing supplied complete with gasket set; element ordered separately.	

Selection note: For service above 50 °C, above 7 bar, or with aggressive media, use the stainless-steel inline models RF-HIL-1276 / RF-HIL-1376 (316L head, Pyrex® bowl, 1/4" NPT, 100 °C) or the 316L instrumentation housings RF-H-110 / RF-H-112 (340 bar, 200 °C).

PERFORMANCE GRADE REFERENCE — FIBRE ELEMENTS

Grade	Efficiency	Typical Application
UX	99.9999 % @ 0.01 µm	Ultra-high purity, laboratory, particle-free instrument air
HE	99.99 % @ 0.01 µm	High-efficiency — analyser and sensor protection
ME	99.5 % @ 0.01 µm	General-purpose fine filtration
ST	95 % @ 0.01 µm	Standard particulate removal
PF	90 % @ 0.01 µm	Pre-filtration, bulk contaminant removal