

Gas Filter, Model 1

GF1



Compact inline gas filter for applications up to 1,000 bar

Features:

- Filtration Ratings from 0.1 to 500 μm
- Filter material: Chemicron® metal fiber fleece, wire mesh or Processmicron® glass fiber fleece
- Available as coalescence and particulate filter

Advantages:

- Minimum pressure loss
- Maintenance-friendly filter service without line dismantling
- No contamination of the clean side during filter element change
- TÜV tested
- Best filtrate quality
- Extremely robust stainless steel filter element technology
- High pressure stability
- No resins used
- No static charge

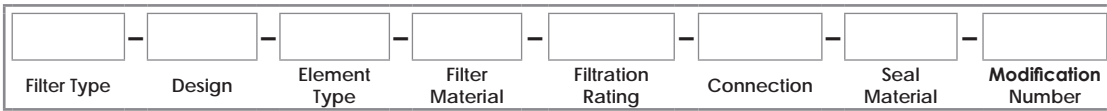
Areas of Application:

- Filtration technology for hydrogen filling stations up to 1,000 bar

Technical Specifications

Temperature Range:	-40 °F / +185 °F (-40 °C / +85 °C)
Max Pressure:	14,500 PSI (1000 Bar)
Connection Type:	UNF, VOSS Lok
Housing Material:	Duplex (1.4462)
Filter Material and Filtration Rating:	Chemicron® metal fiber fleece, 0.1 μm – 25 μm Wire mesh, 20 μm – 500 μm

How to Build a Valid Model Number for a Schroeder GF1:

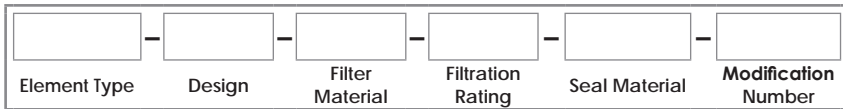


Filter Type	GF1 = Gas Filter GF1
Design	<ul style="list-style-type: none"> 1 = Standard Design 2 = With reservoir (for coalescer only) 3 = With liquid sensor (for coalescer only) 4 = Mobile (875 bar)
Element Type	<ul style="list-style-type: none"> P = Particle Filter Element A = Absorber Filter Element C = Coalescer Filter Element
Filter Material	<ul style="list-style-type: none"> M = Chemicon® D = Wire Mesh
Filtration Rating	(Select micron rating based on filter material) <ul style="list-style-type: none"> M = 0.1 / 0.3 / 1 / 3 / 5 / 10 / 20 D = 25 / 40 / 60 / 100 / 150 / 200
Connection (Inlet and Outlet)	<ul style="list-style-type: none"> A0 = 7/16" - 20 UNF rated to 15,225 psi (1,050 bar) A1 = 9/16" - 18 UNF rated to 15,225 psi (1,050 bar) A2 = 13/16" - 16 UNF rated to 15,225 psi (1,050 bar) V0 = VOSSLok 40, 6mm rated to 12,690 psi (875 bar) V1 = VOSSLok 40, 10mm rated to 12,690 psi (875 bar) V2 = VOSSLok 40, 12mm rated to 12,690 psi (875 bar)
Seal Material	<ul style="list-style-type: none"> P = O-ring PU EDR V = O-ring FKM EDR H = O-ring HNBR LT EDR K = O-ring FFKM
Modification Number	<ul style="list-style-type: none"> 1 = Inlet and outlet on top 2 = Inline design

GF1 Elements and Seals

PF1/CF1/AF1 GF1 Seal Kit

How to Build a Valid Model Number for a Schroeder PF1/CF1/AF1:



Element Type

PF1HQ = Particle Filter Element
CF1HQ = Coalescer Filter Element
AF1HQ = Adsorber Filter Element

Design

1 = Standard Design

Filter Material

M = Chemicon® metal fiber fleece
D = Wire Mesh

Filtration Rating (Select micron rating based on filter material)

M = **0.3 / 1 / 3 / 5 / 10 / 20**
D = **25 / 40 / 60 / 100 / 150 / 200**

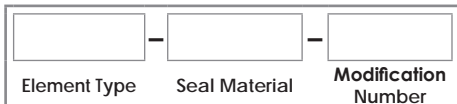
Seal Material

V = O-ring FKM EDR
H = O-ring HNBR LT EDR
K = O-ring FFKM
P = O-ring PU EDR

Modification Number

0 = Latest Provided

How to Build a Valid Model Number for a Schroeder GF1 Seal Kit:



Element Type

GF1 = GF1 Seal Kit

Seal Material

V = O-ring FKM EDR
H = O-ring HNBR LT EDR
K = O-ring FFKM
P = O-ring PU EDR

Modification Number

0 = Latest Provided