

**Adsorbing type activated-carbon filter element removes oil vapors**

**Use in critical industrial applications that require compressed air virtually free of oil vapors**

**Long service life of filter element. Minimum life of 1000 hours when an oil removal filter is installed upstream and filtration temperature is in the range of 70° to 80°F (21° to 26°C).**

**Typical applications include precision pneumatic instrumentation, temperature control, paper separation, film processing, and production of electronic equipment**

**Screw-on bowl reduces maintenance time**

**Can be disassembled without the use of tools or removal from the air line**

**Note:** This unit will not remove carbon monoxide, carbon dioxide, or other toxic gasses or fumes



## Technical Data

### Fluid

Compressed air

### Maximum pressure

250 psig (17 bar)

### Operating temperature

\*0° to 150°F (-20° to 65°C)

\* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C)

### Air quality

Within ISO 8573-1, Class 1 (oil content) when air is prefiltered with a Norgren F47 High Flow coalescing filter.

### Maximum remaining oil content of air leaving the filter

0.003 ppm at 70°F (20°C) when air is prefiltered with a Norgren oil removal filter

### Maximum flow at 90 psig (6.3 bar) inlet pressure to maintain stated oil removal performance

600 scfm (283 dm³/s)

### Required prefilter

Oil removal filter with equivalent pipe size and flow capacity equal to or greater than the vapor removal filter.

### Materials

Body: Aluminum

Bowl: Aluminum

Filter element: Activated carbon, nylon, aluminum

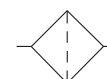
Elastomers: Neoprene and nitrile

## Ordering Information

Port Size	Model Numbers	Flow scfm (dm³/s)*	Weight lbs (kg)
2" PTF	F47-C25-EAMA	600 (283)	22.17 (10.06)
2" ISO G	F47-C25-EAMG	600 (283)	22.17 (10.06)

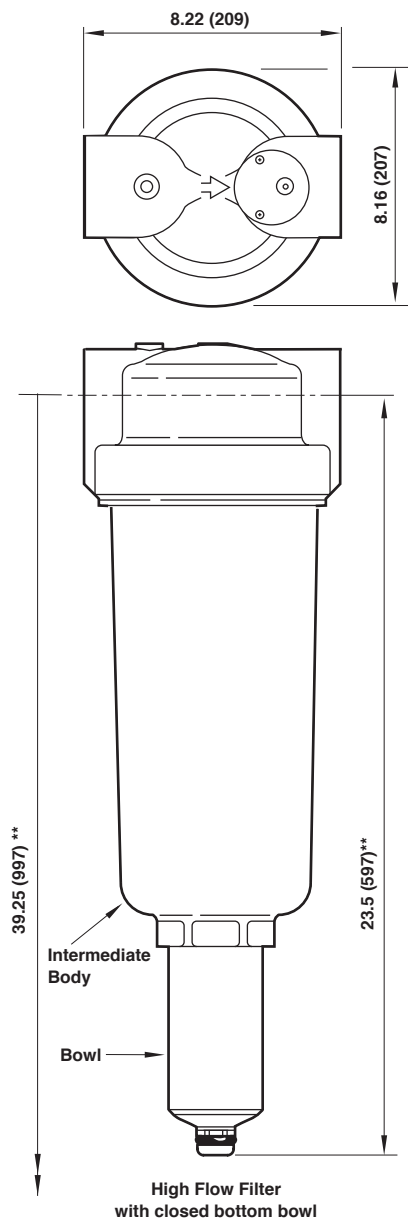
\* Maximum flow at 90 psig (6.3 bar) inlet pressure to maintain stated oil removal performance.

## ISO Symbols



Closed Bottom

All Dimensions in Inches (mm)



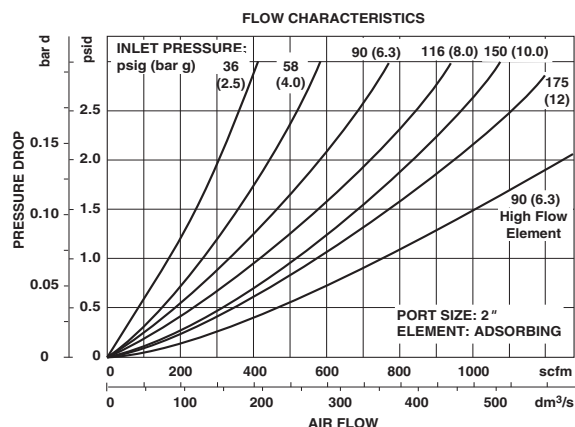
\*\* Minimum clearance required to remove body and bowl.

## Alternative Models

F47 - C25 - EAM ★

Threads	Substitute
PTF	A
ISO G	G

## Typical Performance Characteristics



## Service Kits

Item	Type	Part number
Element kit	High flow	3203-20

## Warning

These products are intended for use in industrial systems only. Do not use these products where pressures and temperatures can exceed those listed under Specifications.

Before using these products with fluids other than those specified, for nonindustrial applications, life-support systems, or other applications not within published specifications, consult Norgren.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure modes.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided. System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products. System designers should also provide for all OSHA requirements including Title 29 CFR 1910.147 Lockout/Tagout.

It should be recognized that warnings are valid for any product, regardless of manufacturer, and are not restricted to products manufactured by Norgren. Norgren's reputation for product quality and performance is well established. We feel we have the additional obligation to provide information or warnings to customers to assist them in applying our products in a reasonable and safe manner.

## Warranty

Items sold by Norgren are warranted to be free from defects in materials and workmanship for a period of two year from the date of manufacture, provided said items are used according to Norgren's recommended usages. Norgren's liability is limited to the repair of, refund of purchase price paid for, or replacement in kind of, at Norgren's sole option, any items proved defective, provided the allegedly defective items are returned to Norgren prepaid. The warranties expressed above are in lieu of and exclusive of all other warranties. There are no other warranties, expressed or implied, except as stated herein.

There are no implied warranties of merchantability or fitness for a particular purpose, which are specifically disclaimed. Norgren's liability for breach of warranty as herein stated is the exclusive remedy, and in no event shall Norgren be liable or responsible for incidental or consequential damages, even if the possibility of such incidental or consequential damages has been made known to Norgren.

Norgren reserves the right to discontinue manufacture of any product or change product materials, design, or specifications.