

Resato

HIGH PRESSURE TECHNOLOGY



HIGH PRESSURE FILTERS

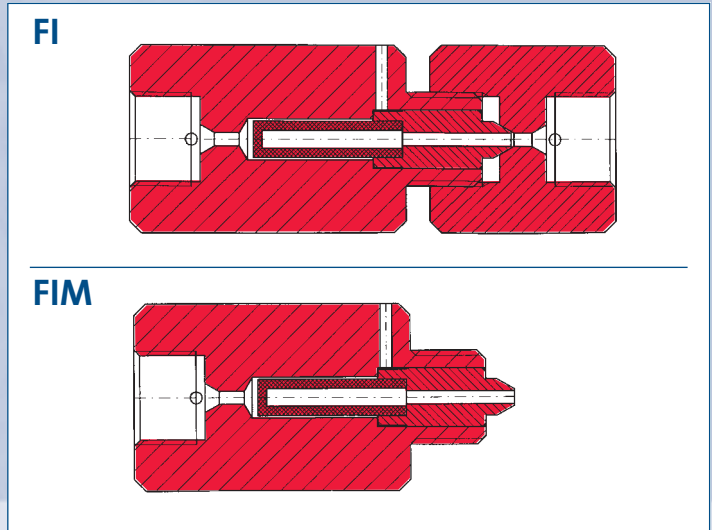
- Direct and in-line mounting
- Safety and protection for sensitive equipment
- Large filter surface area
- Serial mounting possible

RESATO HIGH PRESSURE FILTER TYPES FI AND FIM

Resato high-flow cup type high-pressure filters are recommended in high-pressure systems that require both high flow rates and maximum filter surface area. The cup design offers a much more effective filter compared to the disc type units. In addition, the filter elements can be quickly and easily replaced.

To increase filter efficiency, two filters can be mounted serially.

The high-pressure filters are available for in-line Mounting (type FI) and for direct mounting (type FIM).



FILTER ELEMENTS

The filter elements are available in four different filter porosities: 5, 10, 20 and 40 µm.

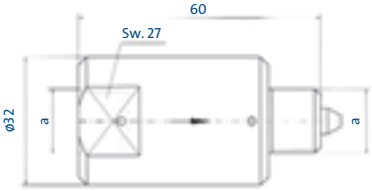
IN-LINE FILTERS

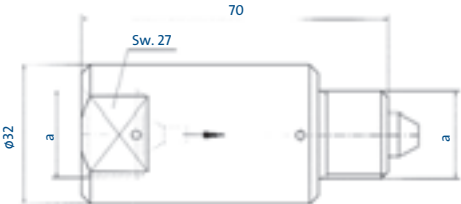
	M16x1.5 (a)	Pressure rating		Orifice	
	Ordering code	bar	/	psi	mm
	FI1-42-xx	4200	/	60,000	2.2

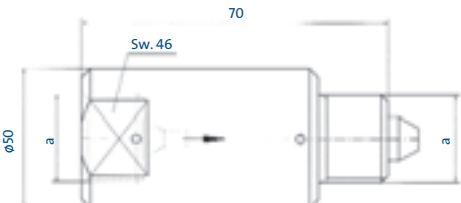
	M20x1.5 (a)	Pressure rating		Orifice	
	Ordering code	bar	/	psi	mm
	FI2-21-xx	2100	/	30,000	5.0
	FI2-42-xx	4200	/	60,000	3.5

	M30x2 (a)	Pressure rating		Orifice	
	Ordering code	bar	/	psi	mm
	FI3-21-xx	2100	/	30,000	8.0
	FI3-42-xx	4200	/	60,000	5.0

DIRECT MOUNTING FILTERS

	M16x1.5 (a)	Pressure rating		Orifice	
	Ordering code	bar	/	psi	mm
	FIM1-42-xx	4200	/	60,000	2.2

	M20x1.5 (a)	Pressure rating		Orifice	
	Ordering code	bar	/	psi	mm
	FIM2-21-xx	2100	/	30,000	5.0
	FIM2-42-xx	4200	/	60,000	3.5

	M30x2 (a)	Pressure rating		Orifice	
	Ordering code	bar	/	psi	mm
	FIM3-21-xx	2100	/	30,000	8.0
	FIM3-42-xx	4200	/	60,000	5.0

xx = filter porosity

MATERIALS

Body and adapter material : 15-5PH or 1.4404 (316L)

Filter element : 316L

ORDERING EXAMPLES

F12	-	21	-	20
↓		↓		↓
In-line filter with M20x1.5 connections		Pressure rating: 2100 bar		Filter element porosity 20µm

EXAMPLES OF RESATO HIGH-PRESSURE COMPONENTS UP TO 14,000 BAR

Air-driven pumps and gas boosters
Hydraulically-driven pumps and gas boosters
Fittings
General-purpose valves
Check valves
Swivels
Hoses
Tubing
Pressure transducers
Rupture-disc safety devices
Quick connectors

EXAMPLES OF RESATO HIGH-PRESSURE EQUIPMENT AND SYSTEMS

Portable pressure-test systems
Test equipment for hoses (safety) valves, fittings etc.
Computer-controlled high-pressure test equipment
Autofrettage systems
Autoclaves
Custom-made test equipment
Water-jet cutting systems
High-pressure food preservation systems
PC data acquisition and recording systems

COMPANY PROFILE RESATO

Founded in 1985, Resato International B.V. is wholly specialized in the design and manufacture of high-pressure components and systems for pressures of up to 14,000 bar (200,000 psi).

At our modern manufacturing plant in Roden, The Netherlands, we have our own engineering and R&D departments as well as sophisticated production facilities. These enable us to furnish precisely the right component or system a client may need.



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Please note that general data and specifications given in this brochure are subject to change without notice. Feel free to contact our sales department if you need more definite information.