



Maximum working pressure up to 100 MPa (1000 bar) - Flow rate up to 10 l/min



INSTALLATION, SERVICE AND MAINTENANCE MANUAL AND SAFETY INSTRUCTIONS



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FZX general information

Description

Technical data

] [

Stainless steel high pressure filters In-line Maximum working pressure up to 100 Mpa (1000 bar) Flow rate up to 10 l/min	Filter housing materials - Head: AISI 316L - Housing: AISI 316L	Δp element type Fluid flow through the filter element from OUT to IN Microfibre filter elements - series H: 210 bar. Element series "H":
 Flow rate up to 10 I/min FZX is a range of stainless steel high pressure filter for protection of sensitive components in high pressure hydraulic systems placed in difficult environmental conditions. They are directly connected to the lines of the system through the hydraulic fittings. Available features: Female threaded connections up to 1/2", for a maximum flow rate of 10 I/min Fine filtration rating, to get a good cleanliness level into the system High collapse filter element "H" High collapse filter element "U", for use with aggressive fluids Common applications: Systems with strong or corrosive environmental conditions Systems with corrosive fluids 	Seals • Standard NBR series A (-25 °C to +110 °C) • Optional FPM series V (-20 °C to +120 °C) • Optional MFQ series F (-50 °C to +120 °C) Temperature From -50 °C to +120 °C Note FZX filters are provided for vertical mounting	 Element series 'A : End cap: Polyamide Core tube: Stainless steel External support: Wire mesh Epox painted Internal support: Wire mesh Stainless steel Media/Support/Pre-filter: Microfibre/Syntetic Stainless Steel Microfibre filter elements series U: 210 bar. Element series "U": End cap: Stainless steel Core tube: Stainless steel Core tube: Stainless steel Core tube: Stainless steel External support: Stainless steel Internal support: Stainless steel Internal support: Stainless steel Media/Support/Pre-filter: Microfibre/Syntetic

Weights [kg] and volumes [dm³]

Filter series	Weights [kg]			Weights [kg] Volumes [dm ³]								
	Length						Length					
FZX 011		-	-	6.5	-			-	-	0.15	-	

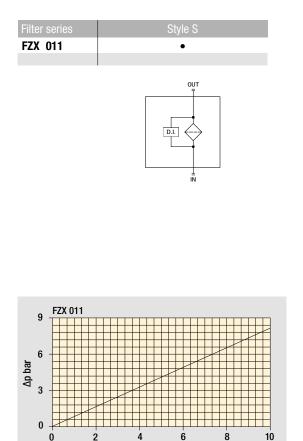
Flow rates [l/min]

		Filter element design - H-U Series						
Filter series	Length	A03	A06	A10	A16	A25		
FZX 011	3	1.57	1.63	1.73	1.74	1.77		
,								

Maximum flow rate for a complete stainless steel high pressure filter with a pressure drop $\Delta p = 1.5$ bar. The reference fluid has a kinematic viscosity of 30 mm²/s (cSt) and a density of 0.86 kg/dm³.

For different pressure drop or fluid viscosity we recommend to use our selection software available on www.mpfiltri.com.

You can also calculate the right size using the formulas present on the FILTER SIZING paragraph at the beginning of the full catalogue or at the beginning of the filter family brochure. Please, contact our Sales Department for further additional information.



Flow rate I/min

The curves are plotted using mineral oil with density of 0.86 kg/dm³ in compliance with ISO 3968. Δp varies proportionally with density.

Hydraulic symbols

Pressure drop Filter housings ∆p pressure drop



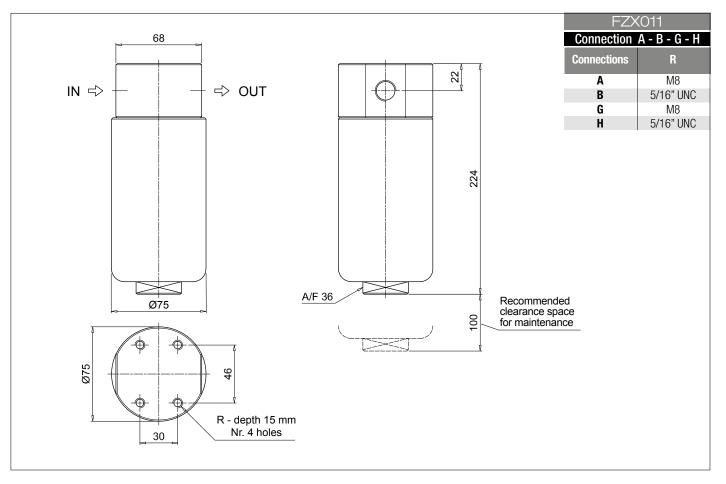
Designation & Ordering code

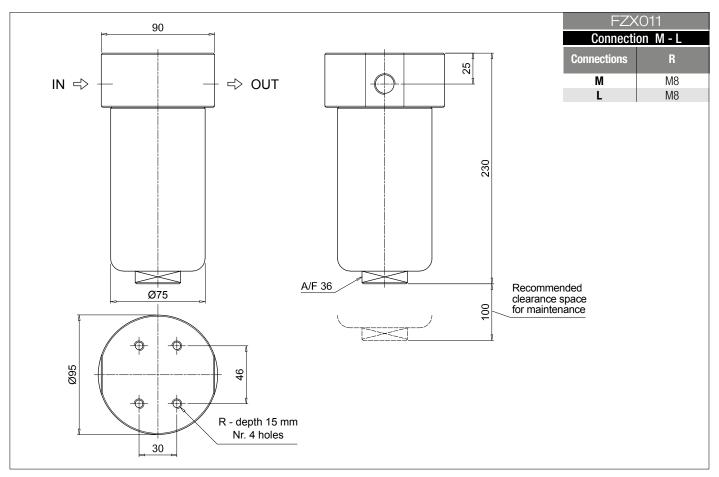
		COMPLETE	FILTER								
Filte	r series and size	Configuration example:	FZX011	3	S	V	В	1	A03	U	P01
FZX											
Filte	r length										
3											
Bypa	iss valve										
S	Without bypass										
Seal											
A	NBR										
V	FPM										
F	MFQ										
Conr	nections										
	700 bar										
A	G 1/4"										
B G	1/4" NPT G 1/2"										
H	1/2" NPT"										
	Autoclave 1000 bar										
М	9/16" - 18 UNF										
L	3/4" - 14 NPS										
Conr	nection for differential pressure indicators										
1	Without connection										
Filtre	ation rating (filter media)										
A03	Inorganic microfiber 3 µm										
A06	Inorganic microfiber 6 µm										
A10	Inorganic microfiber 10 μm										
A16	Inorganic microfiber 16 µm										
A25	Inorganic microfiber 25 µm										
	ent Δp								cution		
H	210 bar							P01		iltri stan	dard
U	210 bar, stainless steel filter element							Рхх	Custo	mized	

	FILTER ELEMENT
Element series and size HP011	Example: HP011 3 A03 V U P01
Element length 3	
Filtration rating (filter media) AO3 Inorganic microfiber 3 µm	
A06 Inorganic microfiber 6 μm A10 Inorganic microfiber 10 μm	
A16Inorganic microfiber16 μmA25Inorganic microfiber25 μm	
Seals A NBR	
V FPM F MFQ	
Element Δp	
H210 barU210 bar, stainless steel filter element	Execution P01 MP Filtri standard
	Pxx Customized

FZX011 FZX

Dimensions



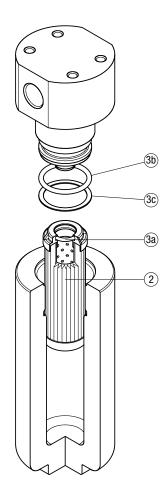






Order number for spare parts

FZX 011



Item:	Q.ty: 1 pc.	Q.ty: 1 pc. 3 (3a ÷ 3c)					
Filter series	Filter element	Seal Kit code number NBR FPM MFQ					
FZX 011	See order table	02050643	02050644	02050646			



CLOGGING INDICATORS STAINLESS STEEL HIGH PRESSURE FILTERS

Designation & Ordering code

	DIFFERENTIAL PRESSURE INDICATORS
Series	Configuration example 1: DE Z 50 H A 50 P01
DE Electrical differential pressure indicator	Configuration example 2: DL X 70 V A 52 P01
DL Electrical / Visual differential pressure indicator	
DV Visual differential pressure indicator	
Type DE DL	DV
X Stainless steel standard type 420 bar •	•
Y Stainless steel optional type 420 bar	•
Z Stainless steel 700 bar (only for FZH) • •	•
Pressure setting DEX DEZ DL	DV
50 5.0 bar	•
70 7.0 bar • • •	•
95 9.5 bar • • •	•
Seals DEX DEZ DL	DV
H HNBR • • •	•
V FPM •	•
F MFQ • • -	-
Thermostat DEX DEZ DL	DV
A Without thermostat • • •	-
Electrical connections	
50 Connection EN 175301-803	
51 Connection EN 175301-803, transparent base with	lamps 24 Vdc •
52 Connection EN 175301-803, transparent base with	
·	Option
	P01 MP Filtri standard
	Pxx Customized

Pxx Customized

	PLUGS
Series	Configuration example X2 H
X2 Stainless Steel plug 420 bar	
X3 Stainless Steel plug 700 bar (only for FZH)	
Seals	
H HNBR	_

V	FPM		
-	MEO		

F MFQ