



AN ISO 9001:2000 CERTIFIED COMPANY

The New Compressed Natural Gas Filter Series (50 - 350 bar)

Our Experienced and reliable Microfilter-technology now available for a new high pressure range.

FTI informs

New production processes and applications in industry demand purified compressed gas at high pressure for the trouble free running of plant.

The extension of the pressure rating of FTI Microfilter range to 50 - 350 bar (5000 psig) now meets the demand for top quality compressed air in critical applications. New procedures in the manufacturing of filter housings enable the additional step to higher pressure ratings. FTI now offers its proven range of Microfilter with high efficiency filter elements

The standard product is available for flows from 380 m³/h to 4290 m³/h with connection sizes from G3/8 to G1. Higher flows and larger connection sizes are available on request.

Fully alu-chromed aluminium filter housings up to 50 bar (735 psig) ensure a corrosion free product with a smooth inner surface throughout its working life.

The **2 layer Powder Coating** protects the housing against knocks and friction and ensures a rust and corrosion free life.

The **Tie Rod Technology** means that the safest method is used to fix the filter element to the housing and ensures an excellent seal between the clean and dirty sides. **FTI filters, using the Tie Rod technology, allow the safest working conditions from the smallest to largest filter.**

FTI filter elements using **ADVANCED Technology** offers the highest separation performance and flow rates with the lowest pressure differentials. This means high efficiency coupled with huge energy savings.



DUPLEX SUCTION FILTER ASSEMBLY

High pressure filter up to 350 bar for coarse- general purpose, oil removal and activated carbon filter elements.
Recommended temperature range: 1.5°C - 125°C, activated carbon filter elements up to 40°C.

- P. Coarse filter particle removal up to 5µ
- Z. General purpose Efficiency 99,999% 1µ, Residual oil content ≤ 0.5 mg/m³ 1 bar abs., 20°C
- X. Oil removal 99,999% 0.01µ, Residual oil content ≤ 0.01 mg/m³ 1 bar abs., 20°C
- S. Oil removal 99,999% 0.01µ, Residual oil content ≤ 0.001 mg/m³ 1 bar abs., 20°C
- A. Activated carbon filter, Total oil content ≤ 0.003 mg/m³ 1bar abs., 20°C at required prefiltration



HIGH PRESSURE
COALESCING FILTER

FTI Model	Nominal flow (m ³ /h)*	Connection (DN)	Dimensions [mm]			Max. pressure (bar)	Filter element
			A	B	C		
FTI 30/100	380	G 3/8	330mm	85mm	85mm	100	EFTI 30
FTI 50/100	532	G 1/2	330mm	85mm	85mm	100	EFTI 50
FTI 70/100	760	G 1/2	395mm	85mm	85mm	100	EFTI 70
FTI 90/100	1216	G 3/4	445mm	116mm	116mm	100	EFTI 90
FTI 110/100	2508	G 1	530mm	116mm	116mm	100	EFTI 110

* calculated at 1 bar a and 20°C at 100 bar working pressure

FTI 30/350	650	G 3/8	330mm	85mm	85mm	350	EFTI 30
FTI 50/350	910	G 1/2	330mm	85mm	85mm	350	EFTI 50
FTI 70/350	1300	G 1/2	395mm	85mm	85mm	350	EFTI 70
FTI 90/350	2080	G 3/4	445mm	116mm	116mm	350	EFTI 90
FTI 110/350	4,290	G 1	530mm	116mm	116mm	350	EFTI 110

* calculated at 1 bar a and 20°C at 350 bar working pressure

Volume flow conversion for operating conditions that are different from reference conditions

$$\text{Convert volume flow} = \text{Nominal volume flow} \times \text{Conversion factor pressure}$$

Conversion factor pressure - Conversion based on the lowest appearing operation pressure of the filter

100 bar series

55 bar	60 bar	65 bar	70 bar	75 bar	80 bar	85 bar	90 bar	95 bar	100 bar
0.71	0.75	0.79	0.83	0.86	0.89	0.92	0.95	0.98	1

350 bar series

125 bar	150 bar	175 bar	200 bar	225 bar	250 bar	275 bar	300 bar	325 bar	350 bar
0.65	0.71	0.76	0.81	0.85	0.89	0.92	0.95	0.98	1

Compatible filter elements for compressed gases, suitable for housing of other filter manufacturers

BEKO	BEKO Model No.	FTI Model No.
	# 88U-V-HT	EFTI 88P-HT
	FHP 730X1	EFTI 730Z-HT
	FHP 730XA	EFTI 730X-HT

SHAH PNEUMATIC	Shah Pneumatic Model No.	FTI Model No.
	E 0307 X0	EFTI 0307 Z -HT
	E 0466 X0	EFTI 0466 Z -HT
	E 2010 X0	EFTI 2010 X-HT



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All performance parameters are as per IS standard
FTI reserves the right to change specifications and details
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