

INDUSTRIAL FILTER

P-EA Series – for Filtration of Compressed Air and Gases



All P-EA filter elements have a stainless steel support core. They are made from pleated filter media, highly resistant foam sleeve (where applicable) and stainless steel end caps.

Features and Benefits

- > pleated filter medium for long service lives and low differential pressures
- > tested and validated according to ISO12500
- > available in 5 different filtration rates
- > Reliable separation of particles, aerosols and vapors
- > Flow direction from inside to outside.

Applications

Pre-filter for the following compressed air and gas applications:

- > Beer Filtration
- > Foods & Beverages
- > Water Treatment
- > Chemicals
- > Pharmaceutical Industry

Parameters

> Material Properties

Filter Medium	pleated filter medium
Support Sleeve	Stainless Steel
End Caps	Stainless Steel 1.4301 (304)
End Caps	Stainless Steel 1.4404 (316) on request
End Cap Connection	126-mini P7 // 226-P7
O-rings	EPDM / Silicone

> Operating Properties

Max. Temperature	60°C
Initial differential pressure	0,1 bar g nominal
Bonding	Polyurethane

AFE Filtration Classes

With support sleeve made of stainless steel, pleated filter medium, highly resistant foam socks, end caps made of stainless steel.

Filter Grade	Filter type	Description
P	Particle filter	Particle removal down to 3 microns
U	Universal filter	Particle removal down to 1 micron, residual oil content down to 0.01 mg/m ³ at 20 °C
H	High-performance filter	Particle removal down to 0.01 micron, residual oil content down to 0.01 mg/m ³ at 20 °C
S	High-performance filter	Particle removal down to 0.01 micron, residual oil content down to 0.001 mg/m ³ at 20 °C combined with filter class H
C	Activated carbon filter	For the adsorption of oil vapors, residual oil content down to 0.003 mg/m ³ at 20 °C combined with filter class H

Filter Elements P-EA Series

Order no.:	P-EA			-		-		
Order Code	Removal Micron	Order Code	Length		Order Code	End Caps	Order Code	O-rings
P	3 Micron	2,5	65	2,5	STT	116 O-rings	S	Silicone
U	1 Micron	5mini	127	5		(only for 2,5 and 5"mini)	E	EPDM
H	0,01 Micron	5	127	5	P7	226 O-ring/fin	V	Viton
S	0,01 Micron	10	254	10				
C	–	20	508	20				
		30	762	30				

Filter Elements for PFH-Filter Housings

with stainless steel end caps

Order no.	Description	Price in €
P-EA*2,5-STT-**	suitable for AFE PFH0060	105,00
P-EA*5mini-STT-**	suitable for AFE PFH0180	170,00
P-EA*5-P7-**	suitable for AFE PFH0360	240,00
P-EA*10-P7-**	suitable for AFE PFH0720	325,00
P-EA*20-P7-**	suitable for AFE PFH1440	410,00
P-EA*30-P7-**	suitable for AFE PFH1920	530,00

* please select the required filter grade

** please select the required O-ring

Filter Grade	P	U	H	S	C
Oil Removal: mg/m3	n/a	0.1	0.01	0.001	0.003
Particle Removal: micron	3.0	1.0	0.01	0.01	n/a

Ordering Example

Length: 10"

Removal Rate: H-Grade (0,01 Micron)

Connection / End Caps: P7

Sealing / O-rings: Silicone

> Order no.: P-EAH10-P7S



126-mini P7

226-P7