

IF 110 (all Types)

Data sheet for compressed air filter IF110 and filter element IFE110 (all types)

Rev. 0-02.16



Technical data of element type IFE110FF3

Capacity – Element

| | | | |
|----------------------------|-------------------|---------------|---------------------------|
| Capacity nominal | m ³ /h | 360 at 7 bar | |
| Capacity maximal | m ³ /h | 756 at 16 bar | |
| Max. working pressure | bar | 16 | |
| Diff. pressure when new | mbar | 40 | concerning 20°C and 1 bar |
| Pressure drop when oily | mbar | 75 | concerning 20°C and 1 bar |
| Saturated | mbar | 400 | Element change |
| Particle filtration | μ | 3 | |
| Remaining oil rate | mg/m ³ | 3 | concerning 20°C and 1 bar |
| Operating temperature max. | °C | 80 | |

Structure – Element

| | |
|----------------|--------------------------------------|
| Flow direction | From inside to outside |
| End caps | Plastic (heat resistant up to 120°C) |
| Inner sleeve | Stainless steel |
| Outer sleeve | Stainless steel |
| Filter medium | Wrapped boronsilicate - microfiber |
| 1. Phase | Pre filtration |
| 2. Phase | Depth filtration medium |
| 3. Phase | Final filter fleece |
| 4. Phase | Needle felt |
| Volume at 20°C | 96% |

Technical data of element type IFE110SMA

Capacity – Element

| | | | |
|----------------------------|-------------------|---------------|---------------------------|
| Capacity nominal | m ³ /h | 360 at 7 bar | |
| Capacity maximal | m ³ /h | 756 at 16 bar | |
| Max. working pressure | bar | 16 | |
| Diff. pressure when new | mbar | 100 | concerning 20°C and 1 bar |
| Pressure drop when oily | mbar | 250 | concerning 20°C and 1 bar |
| Saturated | mbar | 400 | Element change |
| Particle filtration | μ | 0,01 | |
| Remaining oil rate | mg/m ³ | 0,01 | concerning 20°C and 1 bar |
| Operating temperature max. | °C | 80 | (50°C recommended) |

Structure – Element

| | |
|----------------|--------------------------------------|
| Flow direction | From inside to outside |
| End caps | Plastic (heat resistant up to 120°C) |
| Inner sleeve | Stainless steel |
| Outer sleeve | Stainless steel |
| Filter medium | Wrapped boronsilicate - microfiber |
| 1. Phase | Pre filtration |
| 2. Phase | Depth filtration medium |
| 3. Phase | Final filter fleece |
| 4. Phase | Needle felt |
| Volume at 20°C | 96% |

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Technical data of element type IFE110CA

Capacity – Element

| | | | |
|----------------------------|-------------------|---------------|---------------------------|
| Capacity nominal | m ³ /h | 360 at 7 bar | |
| Capacity maximal | m ³ /h | 756 at 16 bar | |
| Max. working pressure | bar | 16 | |
| Diff. pressure when new | mbar | 75 | concerning 20°C and 1 bar |
| Pressure drop when oily | mbar | --- | concerning 20°C and 1 bar |
| Saturated | mbar | semiannual | Element change |
| Remaining oil rate | mg/m ³ | 0,003 | concerning 20°C and 1 bar |
| Operating temperature max. | °C | 25 | |

Structure – Element

| | |
|----------------|--------------------------------------|
| Flow direction | From inside to outside |
| End caps | Plastic (heat resistant up to 120°C) |
| Inner sleeve | Stainless steel |
| Outer sleeve | Stainless steel |
| Filter medium | carbon impregnated nonwoven medium |
| 1. Phase | Activated carbon layer |
| 2. Phase | Final filtration |
| Volume at 20°C | 96% |

Technical data filter housing IF110G

Structure – Capacity

| | | | |
|------------------------------------|--------|---|-------------------------------|
| Connection | Rp | 1" Internal thread | |
| Outside colour | RAL | 9006 (powder painted) | |
| Coating inside/ outside | | Corrosion protective coating | |
| Max. working pressure | bar | 16 | |
| CE Norm | | free | (according to 97/23/EWG) |
| Material | | Aluminium | |
| Attachment element | | hanging | |
| Measures | height | 478mm | |
| | Ø | 130mm | |
| | | 40mm | Upper edge to drilling centre |
| Standard delivery | | Filter element IFE110 | (all types) |
| | | Ball valve KH12 | |
| Standard delivery activated carbon | | Filter element IFE110CA | |
| | | Ball valve KH12 | |
| Optional | | Differential pressure indicator (DPN) height 57,5mm | |
| Connection for condensate drain | Rp | 1/2" | |