

STAINLESS STEEL COMPRESSED AIR FILTER, UP TO 80 BAR

F3000

Description Filter with bowl without sight glass completely made of stainless steel, extremely robust, suitable for compressed air, gases or liquids. Application examples are the chemistry, petroleum processing as well as food industry and medical technology.

Filter element 50 µm, optionally 5 µm, made of stainless steel, coalescing filter 0.1 µm at 99,99% stainless steel version without sight glass

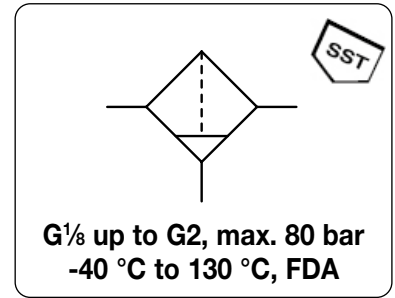
Bowl screw plug as standard,

Drainage optionally for compressed air only: manual drain (max. 30 bar), automatic drain (max. 16 bar)

Operating pressure max. 50 bar (without drain), optionally manual drain (max. 30 bar) or automatic drain (max. 16 bar)

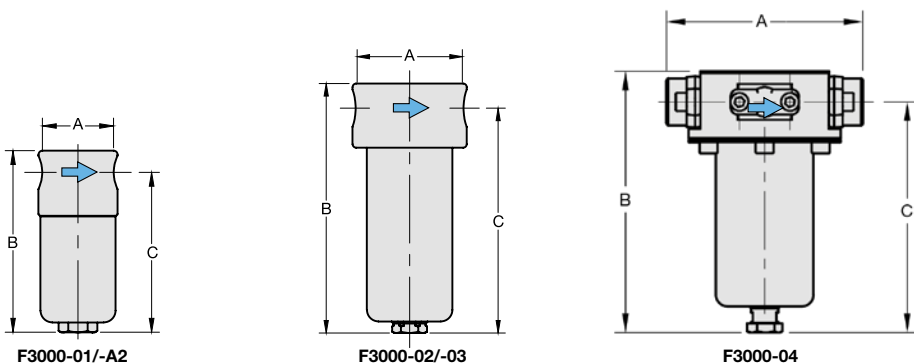
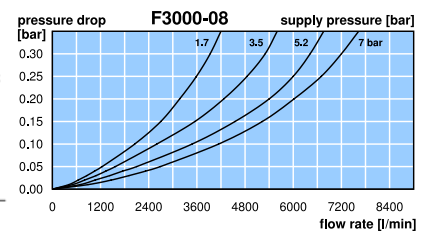
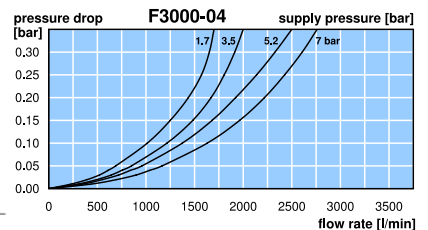
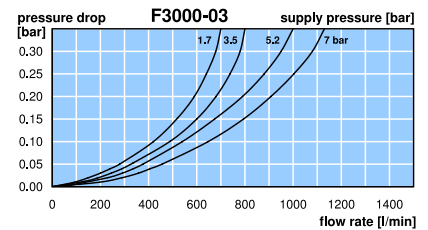
Temperature range 0 °C to 80 °C / 32 °F to 176 °F for FKM or EPDM
0 °C to 130 °C / 32 °F to 266 °F for high temperature version, for appropriately conditioned compressed air down to -20 °C / -4 °F, or low temperature version down to -40 °C / -40 °F

Material Body: stainless steel 316L, material no. 1.4404
Bowl: stainless steel 316L, material no. 1.4404
Elastomer: FKM, optionally EPDM
Inner valve: stainless steel 316L, material no. 1.4404



| Dimensions | | | Bowl capacity l | Flow rate m ³ /h*1 | P ₁ max. bar | Filter element µm | Connection thread G | Order number |
|------------|---|---|--------------------|----------------------------------|----------------------------|----------------------|------------------------|--------------|
| A | B | C | | | | | | |

| Stainless steel filter, up to 50 bar with screw plug | | | | | | | | F3000 | |
|------------------------------------------------------|-----|-----|------|-----|-------|----|----|--------------------|------------------------------------|
| 40 | 92 | 81 | 0,03 | 45 | 750 | 50 | 50 | G ^{1/8} | F3000-01 F3000-01G |
| 40 | 92 | 81 | 0,03 | 45 | 750 | 50 | 50 | G ^{1/4} | F3000-A2 F3000-A2G |
| 64 | 140 | 125 | 0,14 | 54 | 900 | 50 | 50 | G ^{1/4} | F3000-02 F3000-02G F3000-02I |
| 109 | 140 | 123 | 0,2 | 150 | 2500 | 50 | 50 | G ^{3/8} | F3000-03 F3000-03G F3000-03I |
| 109 | 140 | 123 | 0,2 | 150 | 2500 | 50 | 50 | G ^{1/2} | F3000-04 F3000-04G F3000-04I |
| 137 | 194 | 167 | 0,50 | 432 | 7200 | 50 | 50 | G ^{3/4} | F3000-06 F3000-06G F3000-06I |
| 137 | 194 | 167 | 0,50 | 432 | 7200 | 50 | 50 | G ₁ | F3000-08 F3000-08G F3000-08I |
| 241 | 194 | 167 | 0,50 | 432 | 7200 | 50 | 50 | G ^{1 1/4} | F3000-10 F3000-10G F3000-10I |
| 241 | 194 | 167 | 0,50 | 432 | 7200 | 50 | 50 | G ^{1 1/2} | F3000-1A F3000-1AG F3000-1AI |
| 171 | 254 | 218 | 1,00 | 900 | 15000 | 50 | 50 | G ^{1 1/2} | F3000-12 F3000-12G |
| 171 | 254 | 218 | 1,00 | 960 | 16000 | 50 | 50 | G ₂ | F3000-16 F3000-16G |



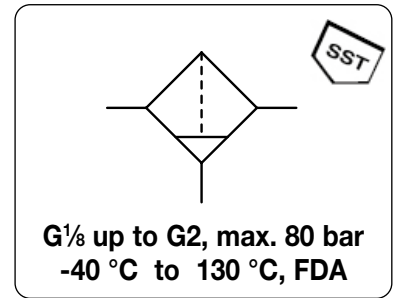
*1 at 7 bar operating pressure and 0.33 bar pressure drop

Extensions: see chapter for FRL service units
Spare parts: see separate spare parts list

PDF CAD
www.aircom.net

Order example:
F3000-01

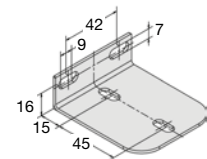
| | |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Filter with bowl without sight glass completely made of stainless steel, extremely robust, suitable for compressed air, gases or liquids. Application examples are the chemistry, petroleum processing as well as food industry and medical technology. |
| Filter element | 50 µm, optionally 5 µm, made of stainless steel, coalescing filter 0.1 µm at 99,99% |
| Bowl | stainless steel version without sight glass |
| Drainage | screw plug as standard, optionally for compressed air only: manual drain (max. 30 bar), automatic drain (max. 16 bar) |
| Operating pressure | max. 50 bar (without drain), optionally manual drain (max. 30 bar) or automatic drain (max. 16 bar) |
| Temperature range | 0 °C to 80 °C / 32 °F to 176 °F for FKM or EPDM 0 °C to 130 °C / 32 °F to 266 °F for high temperature version, for appropriately conditioned compressed air down to -20 °C / -4 °F, or low temperature version down to -40 °C / -40 °F |
| Material | Body: stainless steel 316L, material no. 1.4404 Bowl: stainless steel 316L, material no. 1.4404 Elastomer: FKM, optionally EPDM Inner valve: stainless steel 316L, material no. 1.4404 |



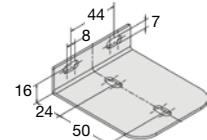
| Dimensions | | | Bowl capacity | Flow rate | P ₁ max. | Filter element | Connection thread | Order number |
|------------|----|----|---------------|---------------------|---------------------|----------------|-------------------|--------------|
| A | B | C | | | | | | |
| mm | mm | mm | l | m ³ /h*1 | l/min*1 | µm | G | |

Special options, add the appropriate letter

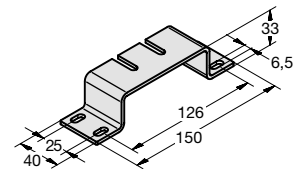
| | | | |
|-----------------------------------|----------------------------------|----------------------------------------------------------|--------------|
| NPT | connection thread | | F3000-...N |
| P₁: max. 80 bar | | for G ¹ / ₄ (02) to G ₂ | F3000-...X48 |
| down to -40 °C / -40 °F | low temperature version | | F3000-...X51 |
| up to 130 °C / 266 °F | high temperature version | | F3000-...X54 |
| manual drain | max. 30 bar | | F3000-...H |
| automatic drain | max. 16 bar | for G ¹ / ₄ (02) to G ₂ | F3000-...R |
| EPDM-elastomer | | | F3000-...E |
| EPDM-elastomer | FDA-approval | | F3000-...TD |
| ammonia | NH ₃ | | F3000-...02 |
| carbon dioxide | CO ₂ | | F3000-...03 |
| argon | Ar | | F3000-...05 |
| nitrogen | N ₂ | | F3000-...07 |
| helium | He | | F3000-...09 |
| hydrogen | H ₂ | | F3000-...11 |
| methane | CH ₄ | | F3000-...13 |
| natural gas *2 | | | F3000-...14 |
| oxygen | O ₂ | | F3000-...15 |
| propane | C ₃ H ₈ | | F3000-...16 |
| nitrous oxide | N ₂ O | | F3000-...17 |
| flange connection | see end of the chapter / flanges | | F3000-...F. |



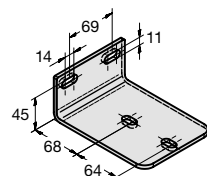
BW00-17S



BW00-18S



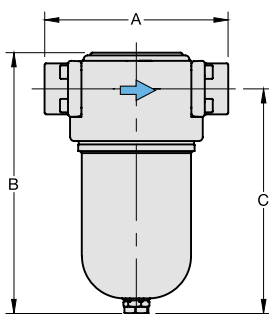
BW00-59S



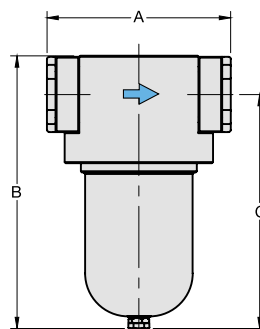
BW00-63S

Accessories, enclosed

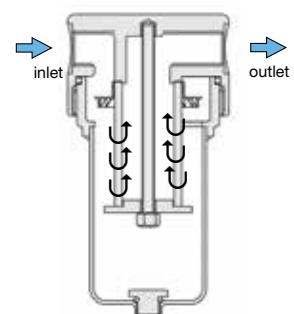
| | | |
|-------------------------|-------------------------------------------------------------------------|-----------------|
| mounting bracket | for G ¹ / ₄ (02) | BW00-17S |
| | for G ¹ / ₂ (only 04I) | BW00-18S |
| | for G ³ / ₈ to G ¹ / ₂ (1A) | BW00-59S |
| | for G ¹ / ₂ (12) and G ₂ | BW00-63S |



F3000-06/-08/-10/1A



F3000-12/-16



cross-section

*1 at 7 bar operating pressure and 0.33 bar pressure drop

*2 without DVWG-approval

Extensions: see chapter for FRL service units
Spare parts: see separate spare parts list

PDF CAD
www.aircom.net



Order example:
BW00-17S