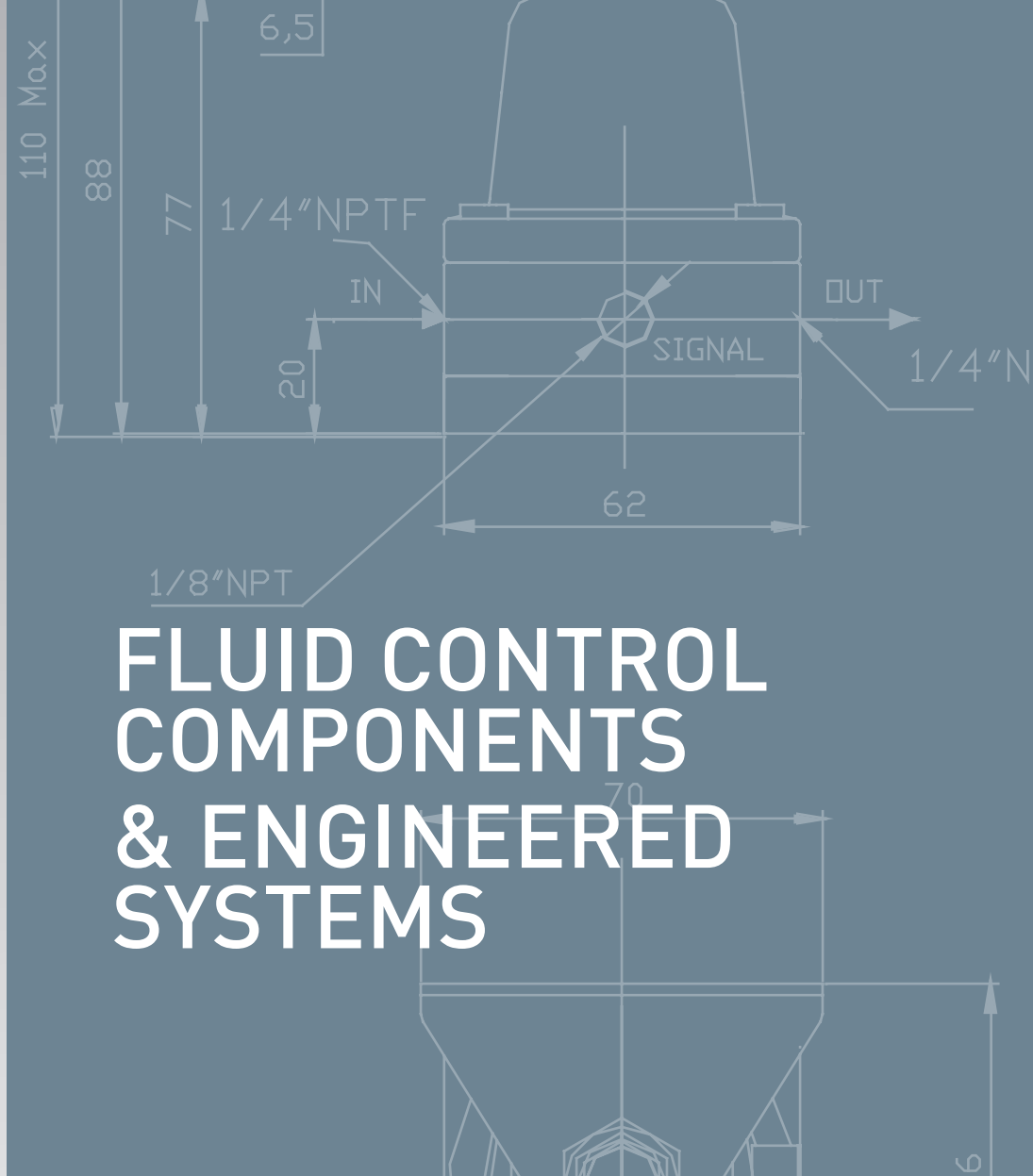
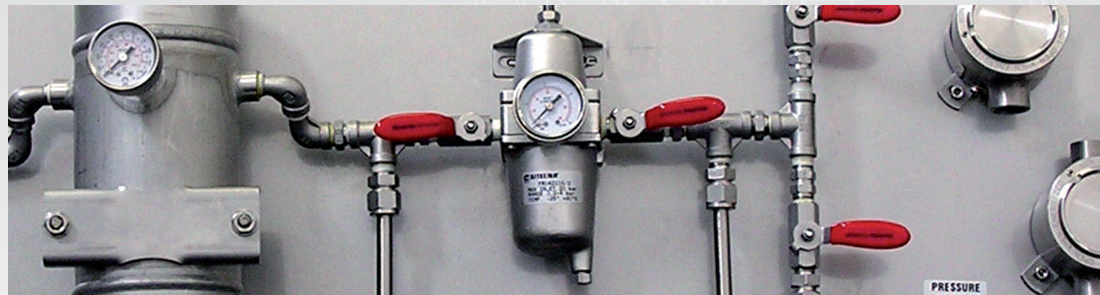




FLUID CONTROL COMPONENTS & ENGINEERED SYSTEMS



Quality

Sitecna® is committed to granting the highest standards of quality, safety, and responsiveness through all our activities, both internal and external.

Total quality concept is our basic strategy influencing every single choice and providing a solid base for our current and future growth.

We use our energies and skills with humility and an open mind team approach in order to meet or exceed our customers expectations for quality and performance.



Our commitment towards continuous improvements of our management is certified in accordance with ISO9001 requirements from ANCIS.

Index - Indice



GENERAL INFORMATION: 5 | I

- Company profile
- Organization
- Know how
- Customers & applications
- Engineering capabilities
- HSE policy



PRODUCT INDEX: 5 | FF

- Section A /Air-gas preparation equipments
- Section B/Control valves
- Section C/Instruments & accessories



TECHNICAL INFORMATION: 5 | 5FLN

- ISO 9001:2015
- 2014/34/UE air equipments declaration
- EAC material approval
- EN10204/3.1 certificate prototype
- PED declaration
- SIL certificate
- IP66 certificate
- Material compatibility chart
- Materials temperature range



GENERAL INFORMATION



Company Profile

Born in 1986 as a commercial company, Sitecna® has developed a very technical and high level experience in fluid control. Our know how in components and engineered systems stems from years of problem facing and solving for the most critical sectors.

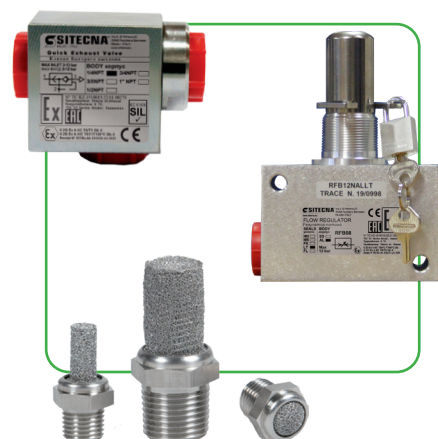
Thanks to a very experienced team of engineers 20 years ago we started to design and develop an innovative range of pneumatic products to satisfy the needs of operations critical for temperature, aggressive environments and classified areas.

Today at our headquarters located in Milan, Italy, we design, build and sell components and systems for the chemical, petrochemical, energy and glass sector, offering our range of pneumatic equipments for the most demanding applications. Our products are the standard for non-standard specifications of the most important companies in the instrumentation, analysis, safety systems, process valve control and process automation fields.

Our range includes - but is not limited to - the following products :

- SS316L or Aluminium alloy air/gas preparation equipments
 - filter, regulators, filter regulators, volume boosters
- SS316L or Aluminium alloy control valves
 - spool valves, lock-up valves, quick exhausts, flow regulators, poppet valves, switch valves, back pressure valves
- SS316L or special alloy instrumentation accessories
 - pressure gauges, silencers, dust excluder, vacuum pumps, flow-meters, sample probes, ball valves, fittings
- Special or standard engineered systems

Sitecna is dedicated to developing unique and tailored products carefully listening to our customers and so improving efficiency and reliability of equipments and operations



Organization

Sitecna® 1000m² owned headquarter in Peschiera Borromeo (MI) Italy is the design, testing & stocking center for every product.

Our location very near to Linate airport and to main communication



ways, allows quick deliveries and quick shipments to domestic and international customers.

Our sales organization is helped by a capillary distribution network granting assistance in all the most important areas of the world.

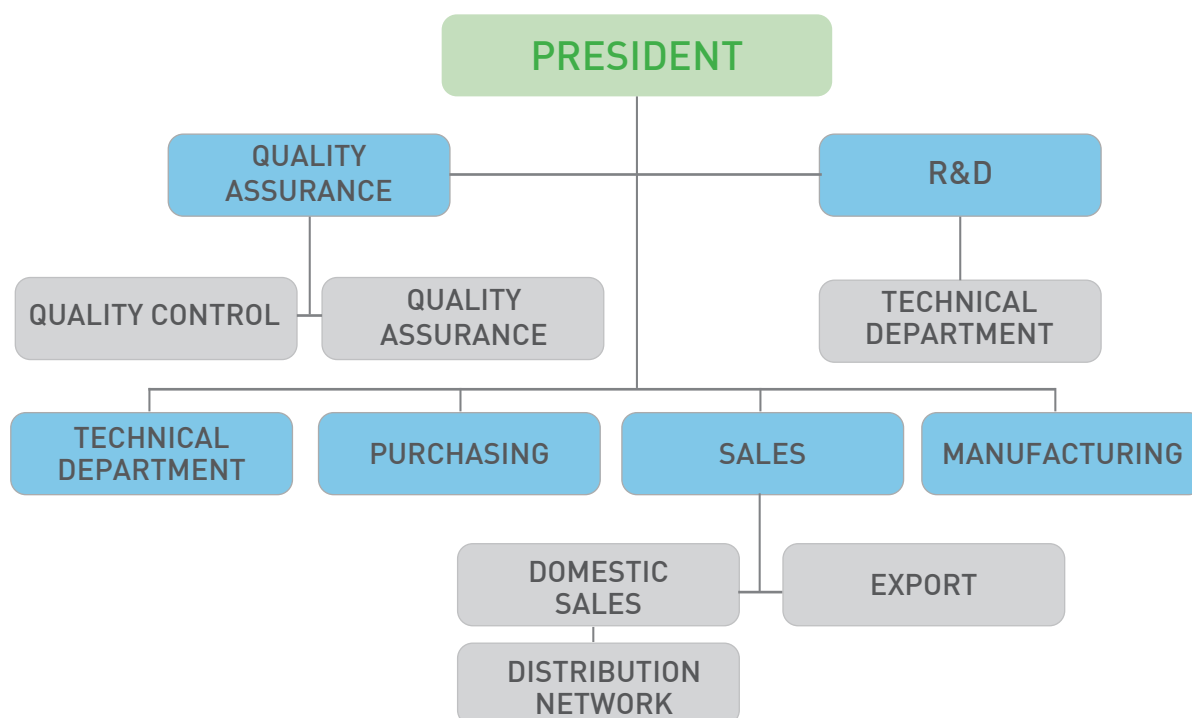
Contacts

General info : info@sitecna.eu

Sales info : mkt@sitecna.eu

Technical info : ufficio.tecnico@sitecna.eu

Account info : amministrazione@sitecna.eu



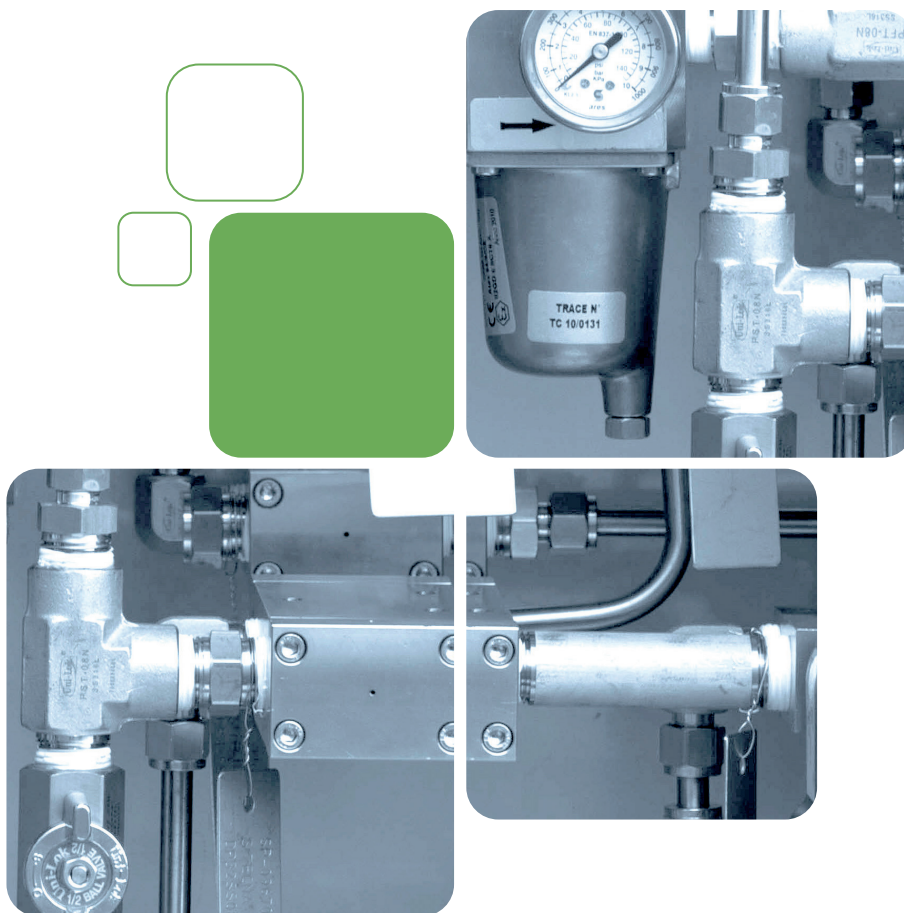


Know How

Almost thirty years of experience in the design, manufacture and distribution of high quality products and solutions for the most demanding applications.

A wide products range and a high level experience to face all your critical fluid control needs.

Technical approach in developing and anticipating international standards make us your **Trusted Partner!**



Customers & Applications

Sitecna has built its reputation for quality products among the largest industrial companies. End users, OEM, engineering companies are our typical customers.

Sitecna products are developed to satisfy the stringent needs of the oil, gas, petrochemical, refining, power, pharmaceutical and general process-instrumentation industries.

Our products are used where corrosion resistance and extreme temperatures are critical factors.



Engineering capabilities

Our engineering team comes from years of experience in the design of technological solutions.

We can offer a very specific know how in the following sectors:

Electro-pneumatic automation

Analysis

Fire & gas

Instrumentation



Health, Safety and Environment Policy - HSE

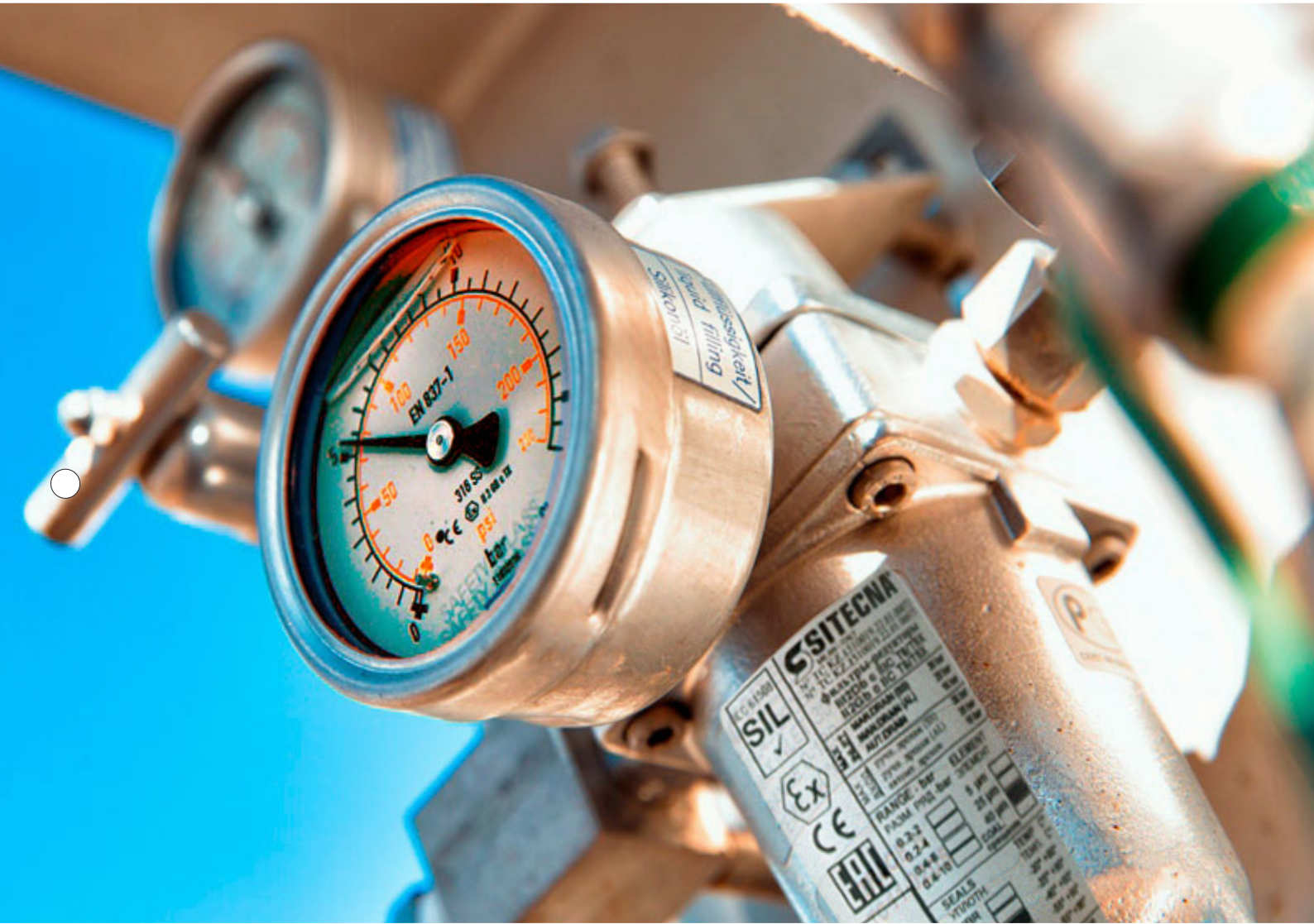
Sitecna® management is committed to providing a safe and healthful place of work throughout all of our facilities, offices and work sites and to make every effort towards eliminating any environmentally adverse effects of our operations.

We implements and continually improves an HSE management by:

- **providing adequate control of the health and safety risks arising from our work activities;**
- **providing and maintaining safe plant and equipments;**
- **ensuring safe handling and use of substances;**
- **providing information, instruction and supervision for employees;**
- **ensuring all employees are competent to do their tasks, and to give them adequate training;**
- **maintaining safe and healthy working conditions and reviewing and revising this policy as necessary at regular intervals.**

Our management is also committed to achieve improvements in the overall company environmental performance including prevention of pollution and conservation of natural resources.

All our needed electric energy is generated by the photovoltaic plant on the roof of our structure.



PRODUCTS

- Section A /Air-gas preparation equipments p.12
- Section B/Control valves p. 10H
- Section C/Instruments & accessories p. 1KF

Section A – Air/gas Preparation Equipments

Sezione A – Apparecchi per trattamento aria/gas

A complete range of components for air-gas preparation designed to be used in the harshest environments

- Pressure regulators, Filter regulators, Filters, Volume Boosters
- Standard Sizes 1/4", 3/8", 1/2", 3/4", 1" NPT (1 1/2" & 2" for filters)
- Copper free aluminum alloy or Stainless steel 316 complete construction
- Standard seals & diaphragm available in NBR, EPDM, FVQM, FKM, HNBR
- Standard filtering elements available coalescing type or 3, 5, 25 and 40 micron in SS316
- Temperature range from -60°C to 90°C
- Manual o automatic condensate drain
- Relieving or Non relieving versions
- Max inlet pressure to 30bar
- Full material traceability
- EN10204 3,1, ATEX, SIL, IP66 and EAC TR CU certified range
- 100% Italian production



Una gamma di componenti per il trattamento di aria e gas progettata per l'utilizzo negli ambienti più inospitali

- Regolatori di pressione, Filtri regolatori, Filtri, Amplificatori di flusso
- Connessioni std da 1/4", 3/8", 1/2", 3/4", 1"NPT (1 1/2", 2" per i filtri)
- Costruzione completamente in alluminio esente rame o acciaio inossidabile AISI316
- Tenute e diaframmi std in NBR, EPDM, FKM, HNBR
- Elementi filtranti a coalescenza od in SS316 da 3, 5, 25 o 40 micron
- Temperature da -60°C a +90°C
- Scarichi condensa automatici o manuali
- Pressioni di alimentazione fino a 30BAR
- Completa rintracciabilità di tutti i componenti
- Certificati EN10204 3,1, ATEX, SIL, IP66, EAC TR CU
- Produzione 100% italiana

Index - Indice

- p. 16** **Ordering information**
Informazioni per l'ordine

Filters
Filtri



- p. 17** **Copper free aluminum alloy filters**
Filtri in lega di alluminio esente rame

1/4", 3/8", 1/2", 3/4", 1", 1 1/2", 2"NPT
coalescing, 5 micron, 25 micron, 40 micron



- p. 29** **Stainless steel 316L pneumatic filters**
Filtri per pneumatica in AISI316L

1/4", 3/8", 1/2", 3/4", 1", 1 1/2", 2"NPT
coalescing, 5 micron, 25 micron, 40 micron



- p. 29** **Stainless steel 316L high pressure pneumatic filters**
Filtri per pneumatica in AISI316L

1/4", 3/8", 1/2"
coalescing, 5 micron, 25 micron, 40 micron



- p. 41** **AISI316L filters with borosilicate bowl**
Filtri con tazza inferiore in vetro borosilicato AISI316L

**NEW
PRODUCT**

1/4"NPT
coalescing, 3 micron, 5 micron, 40 micron



- p. 44** **Stainless steel 316L miniaturized filters**
Filtri per pneumatica in AISI316L

1/4"NPT
coalescing, 5 micron, 25 micron



- p. 46** **Copper free aluminum alloy filter regulators**
Regolatori di pressione in lega di alluminio esente

1/4"NPT



p. 47 Ordering information

Informazioni per l'ordine

Pressure regulators

Regolatori di pressione

**p. 48 Copper free aluminum alloy pressure regulators**

Regolatori di pressione in lega di alluminio esente rame

1/4", 3/8", 1/2", 3/4", 1"NPT**p. 57 Stainless steel 316L pressure regulators**

Regolatori di pressione in AISI316L

1/4", 3/8", 1/2", 3/4", 1"NPT**p. 66 Ordering information**

Informazioni per l'ordine

Filters regulators

Filtri Regolatori

**p. 67 Copper free aluminum alloy pressure regulators**

Regolatori di pressione in lega di alluminio esente rame

1/4", 1/4" high flow, 3/8", 1/2", 3/4", 1"NPT**NEW
PRODUCT****p. 79 Stainless steel 316L filter regulators**

Filtri regolatori di pressione in AISI316L

1/4", 1/4" high flow, 3/8", 1/2", 3/4", 1"NPT**NEW
PRODUCT**

p. 92

Ordering information

Informazioni per l'ordine

Volume Boosters

Amplificatori di flusso



p. 93

Copper Free aluminium alloy volume booster

Amplificatore di flusso in lega di alluminio esente rame

1/4", 1/2", 3/4", 1"NPT

Free exhaust, threaded exhaust port



p. 97

Stainless steel 316L volume booster

Amplificatore di flusso in AISI316L

1/4", 1/2", 3/4", 1"NPT

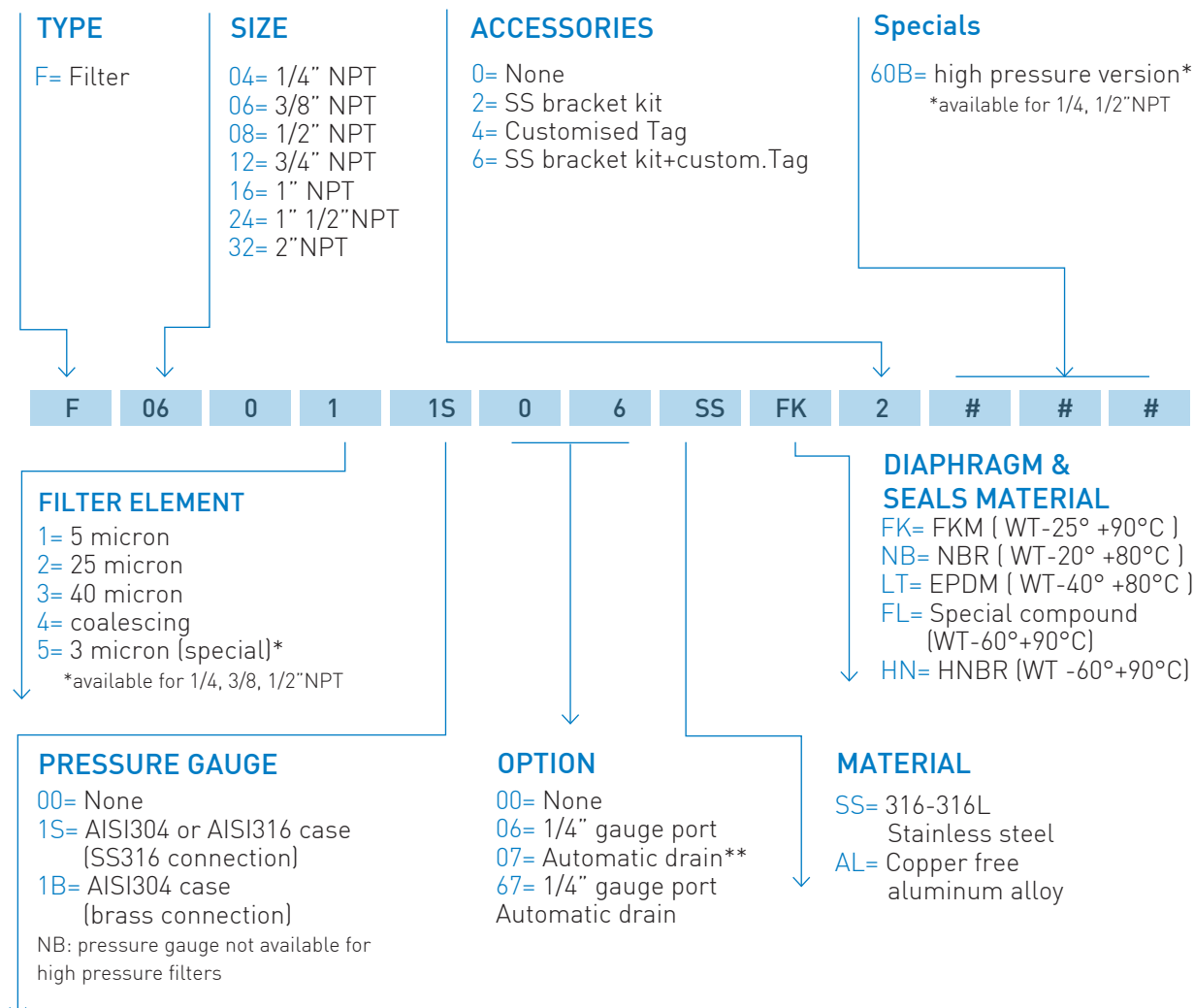
Free exhaust, threaded exhaust port



Ordering information - Filters

Come ordinare - Filtri

www.sitecna.eu



CODE EXAMPLES

F	04	0	4	1S	0	0	SS	FK	2			
---	----	---	---	----	---	---	----	----	---	--	--	--

1/4"NPT, SS316 filter regulator, with coalescing filtering element, SS pressure gauge, manual drain, ss bracket kit and FKM diaphragm & seals
 Filtro da 1/4"NPT in AISI316, elemento filtrante da coalescenza, manometro tutto inox, scarico condensa manuale, staffa inox, diaframma e tenute in FKM

F	32	0	1	00	0	7	AL	NB	0			
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2"NPT, aluminum alloy filter, with 5 micron filtering element, automatic drain and NBR diaphragm & seals

Filtro da 2"NPT in alluminio esente rame, elemento filtrante da 5 micron, scarico condensa automatico, diaframma e tenute in FKM

**** Note for automatic drain: use not recommended for T<2°C (under this T the moisture in the medium could freeze and cause drain malfunction or breaking) / Nota per scarico automatico: uso non raccomandato per T<2°C (sotto questa T la condensa può ghiacciare e causare malfunzionamenti o rotture).**



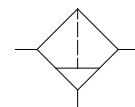
Copper free aluminum alloy 1/4" NPT filter- F serie

Filtro da 1/4" NPT in lega di alluminio esente rame- serie F

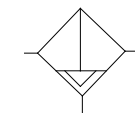
- Suitable to automation equipment, to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- High flow capacity
- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 Gb X
II 2D Ex h IIC T85°C/T100°C Db X
-  &  approved /IP66

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari.
- Completa rintracciabilità dei materiali
- Elevate portate
- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 GbX
II 2D Ex h IIC T85°C/T100°C Db X

- Approvato  ed  / IP66



Manual Drain



Automatic Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	1/4"
Gauge Connection Connessione manometro	1/8"NPT (1/4"NPT option)
Filtering element Elemento filtrante	Coalescing or 3, 5, 25, 40 micron in st. st. 316
Max inlet pressure Pressione massima di ingresso	25bar (16bar automatic drain version)
Drain valve / Scarico condensa	manual or automatic
Flow Rate (@6 bar Inlet pressure, delta P=0.5bar)/ Portata	1/4" - 1000dm ³ /min Cv=1,4
Working Temperature Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM); -60° up to 90°C (FVMQ)*

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

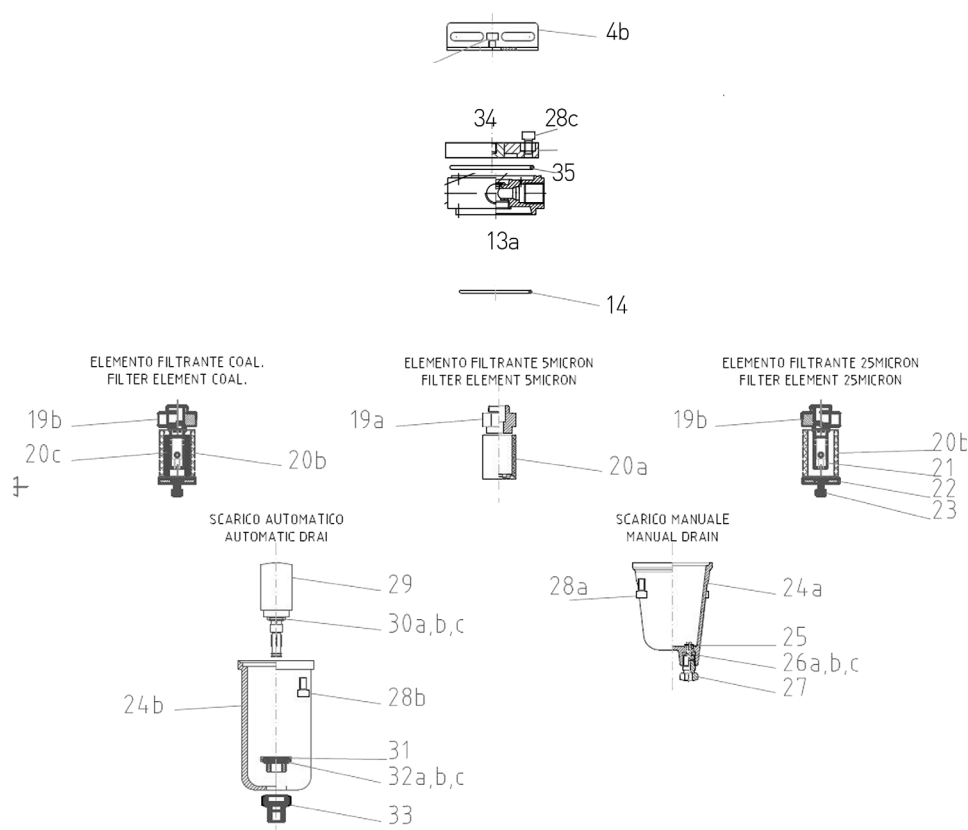
*Special version in HNBR (WT -60°C + 90°C)

It provides excellent filtration for a wide range of applications. Rugged and corrosion-resistant – made of copper free aluminium alloy and AISI304/316 stainless steel. Compact small package size / Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in lega di alluminio esente rame tropicalizzata e SS304/316. Dimensioni di ingombro ridotte

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in tropicalized aluminum	Corpo, coperchio, tazza in lega di alluminio tropicalizzata
Internals, bracket, lock and panel nuts, fixing screws in stainless steel	Particolari interni, staffa, dadi di bloccaggio a pannello, viti di fissaggio in acciaio inossidabile
Seals in elastomer	Tenute in elastomero
3, 5, 25 & 40 micron filtering element in AISI316 stainless steel	Elemento filtrante da 3, 5, 25 e 40 micron in acciaio inossidabile AISI316
Coalescing filtering element in bonded micro-fibre	Elemento filtrante a coalescenza in microfibra

Product exploded view

Esploso del prodotto



Pos.	Q.ty	Description	Descrizione
3	1	BRACKET NUT	DADO STAFFA
4b	1	BRACKET	STAFFA
13a	1	BODY	CORPO
14	2	O-RING	O-RING
19a	1	FILTER ELEMENT SUPPORT 5mic	SUPPORTO ELE. FILTRANTE 5 MIC
19b	1	FILTER ELEMENT SUPPORT 25mic	SUPPORTO ELE. FILTRANTE 25 MIC
20a	1	FILTER ELEMENT 5 MICRON	ELEMENTO FILTRANTE 5 MIC
20b	1	FILTER ELEMENT 25 MICRON	ELEMENTO FILTRANTE 25 MIC
20c	1	FILTER ELEMENT COALESCING	ELEMENTO FILTRANTE COALESC.
21	1	FILTER ELEMENT SUPPORT	SUPPORTO ELE. FILTRANTE
22	1	FILTER ELEMENT CASEBACK	BASE ELEMENTO FILTRANTE
23	1	SCREW M4X6	VITI M4X6
24a	1	MANUAL DRAIN BOLW	TAZZA SCARICO MANUALE
24b	1	AUTOMATIC DRAIN BOLW	TAZZA SCARICO AUTOMATICO
25	1	BENZIN	ANELLO BENZIN
26	1	O-RING	O-RING
27	1	MANUAL DRAIN	SCARICO MANUALE
28a	4	SCREW MAN. DRAIN M5X10	VITI SCARICO MANUALE M5X10
28b	4	SCREW AUTO DRAIN M5X16	VITI SCARICO AUTO M5X16
28c	4	BONNET SCREW M5X10	VITI PIATTELLO SPERIORE M5X10
29	1	AUTOMATIC DRAIN	SCARICO AUTOMATICO
30	1	O-RING AUTO DRAIN	O-RING SCARICO AUTO
31	1	AUTOMATIC DRAIN SEAT	SEDE SCARICO AUTOMATICO
32	1	O-RING AUTOM. DRAIN	O-RING SCARICO AUTO
33	1	AUTOMATIC DRAIN SEAT	SEDE SCARICO AUTOMATICO
34	1	FILTER TOP	PIATTELLO SUPERIORE
35	1	O-RING	O-RING

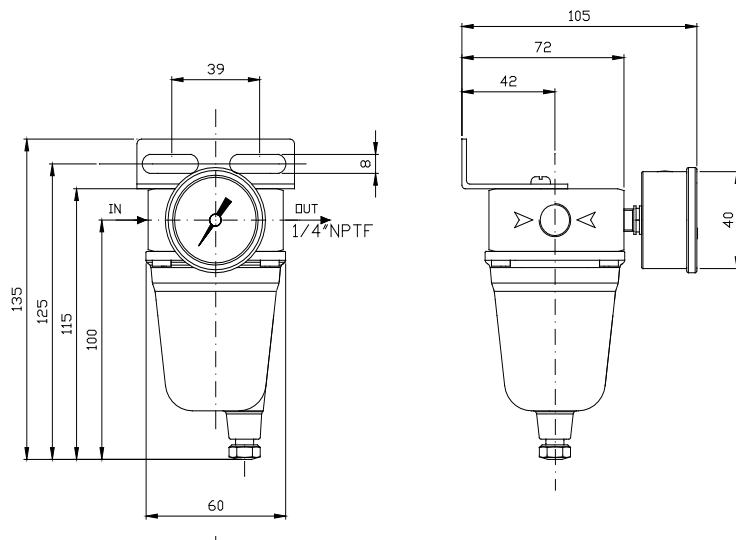
Overall dimension

Dimensioni di ingombro

Manual drain

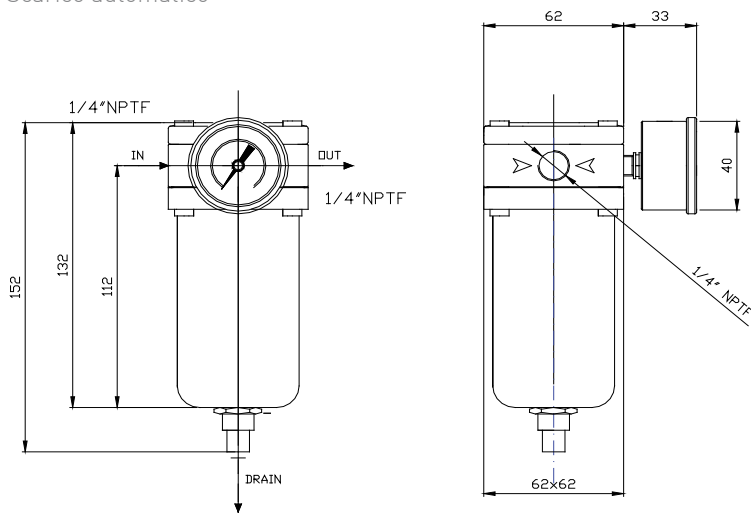
Scarico manuale

F04 A = 1/4"



Automatic drain

Scarico automatico



Note for automatic drain:
- max inlet pressure 16bar
- not recommended for T<2°C

Nota per scarico automatico:
- massima pressione di utilizzo 16bar
- non raccomandato per T<2°C

Accessories and repair kit

Accessori e ricambi

Maintenance kit / Kit manutenzione	Items K-F04-*-0-AL-** [1/4"]
Pressure gauge DN40mm, all AL Bar+psi+kpa range / Manometro DN40mm, cassa inox, scala Bar+psi+kpa	0-2bar MBSNP4S2PN3S 0-4bar MBSNP4S2PN05 0-10bar MBSNP4S2PN07
Bracket / Staffa	SQ-FR04/S

* Refers to filter element option: 1→5 micron; 2→25 micron; 3→40 micron ; 4→coalescing; 5→3 micron

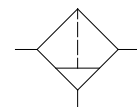
** Refers to seals type: FK→FKM NB→NBR LT→EPDM FL→FVMQ HN→HNBR

Copper free aluminum alloy 3/8" - 1/2" NPT filter- F serie

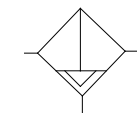
Filtro da 3/8" - 1/2"NPT in lega di alluminio esente rame- serie F

- Suitable to automation equipment, to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- High flow capacity
- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 Gb X
II 2D Ex h IIIC T85°C/T100°C Db X
-  &  approved /IP66

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari.
- Completa rintracciabilità dei materiali
- Elevate portate
- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 GbX
II 2D Ex h IIIC T85°C/T100°C Db X
- Approvato  ed  / IP66



Manual Drain



Automatic Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	3/8"-1/2" NPT
Gauge Connection Connessione manometro	1/8"NPT (1/4"NPT option)
Filtering element Elemento filtrante	Coalescing or 3, 5, 25, 40 micron in st. st. 316
Max inlet pressure Pressione massima di ingresso	25bar (16bar automatic drain version)
Drain valve / Scarico condensa	manual or automatic
Flow Rate (@6 bar Inlet pressure, delta P=0.5bar)/ Portata	1/2" - 4815dm3/min Cv=6,6
Working Temperature Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM); -60° up to 90°C (FVMQ)*

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

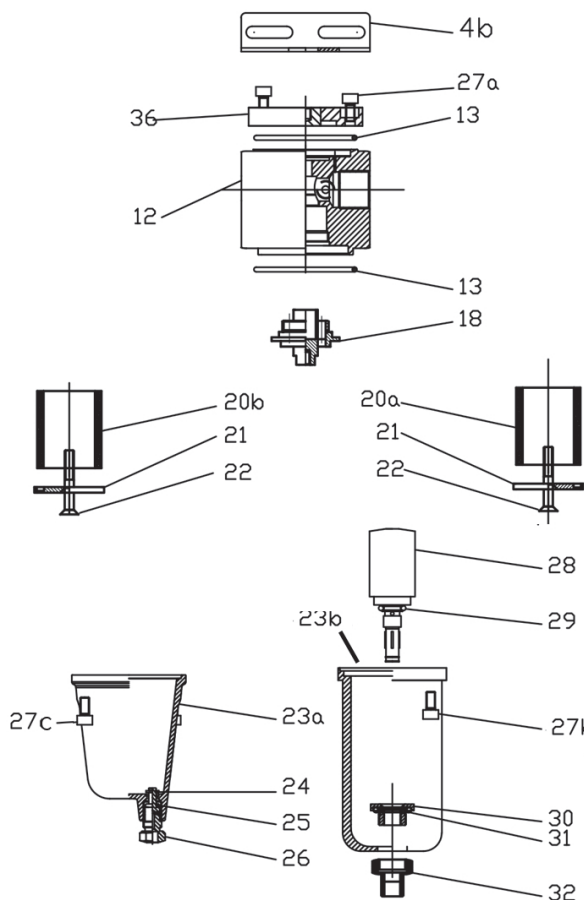
*Special version in HNBR (WT -60°C + 90°C)

It provides excellent filtration for a wide range of applications. Rugged and corrosion-resistant – made of copper free aluminium alloy and AISI304/316 stainless steel. Compact small package size / Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in lega di alluminio esente rame tropicalizzata e SS304/316. Dimensioni di ingombro ridotte

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in tropicalized aluminum	Corpo, coperchio, tazza in lega di alluminio tropicalizzata
Internals, bracket, lock and panel nuts, fixing screws in stainless steel	Particolari interni, staffa, dadi di bloccaggio a pannello, viti di fissaggio in acciaio inossidabile
Seals in elastomer	Tenute in elastomero
3, 5, 25 & 40 micron filtering element in AISI316 stainless steel	Elemento filtrante da 3, 5, 25 e 40 micron in acciaio inossidabile AISI316
Coalescing filtering element in bonded micro-fibre	Elemento filtrante a coalescenza in microfibra

Product exploded view

Esploso del prodotto



Pos.	Q.ty	Description	Descrizione
4b	1	BRACKET F04	STAFFA
12	1	BODY	CORPO
13	2	O-RING	O-RING
18	1	FILTER ELEMENT SUPPORT	SUPPORTO ELE. FILTRANTE
20a	1	FILTER ELEMENT 5 MICRON	ELEMENTO FILTRANTE 5 MIC
20b	1	FILTER ELEMENT 25 MICRON	ELEMENTO FILTRANTE 25 MIC
21	1	FILTER ELEMENT PLUG	BASE ELEMENTO FILTRANTE
22	1	SCREW M5X30	VITE M5X30
23a	1	MANUAL DRAIN BOLW	TAZZA SCARICO MANUALE
23b	1	AUTOMATIC DRAIN BOLW	TAZZA SCARICO AUTOMATICO
24	1	BENZIN	ANELLO BENZIN
25	1	O'RING DRAIN	O'RING DRAIN
26	1	MANUAL DRAIN	SCARICO MANUALE
27a	4	SCREW M5X10	VITI PIATTELLO SPERIORE M5X10
27b	4	SCREW AUTO DRAIN M5X16	VITI SCARICO AUTO M5X16
27c	4	SCREW MAN DRAIN M5X10	VITI SCARICO MANUALE M5X10
28	1	AUTOMATIC DRAIN	SCARICO AUTOMATICO
29	1	O'RING AUTO DRAIN	O'RING SCARICO AUTO
30	1	AUTOMATIC DRAIN SEAT	SEDE SCARICO AUTOMATICO
31	1	O'RING AUTO DRAIN	O'RING SCARICO AUTO
32	1	AUTOMATIC DRAIN SEAT	SEDE SCARICO AUTOMATICO
36	1	FILTER TOP	PIATTELLO SUPERIORE

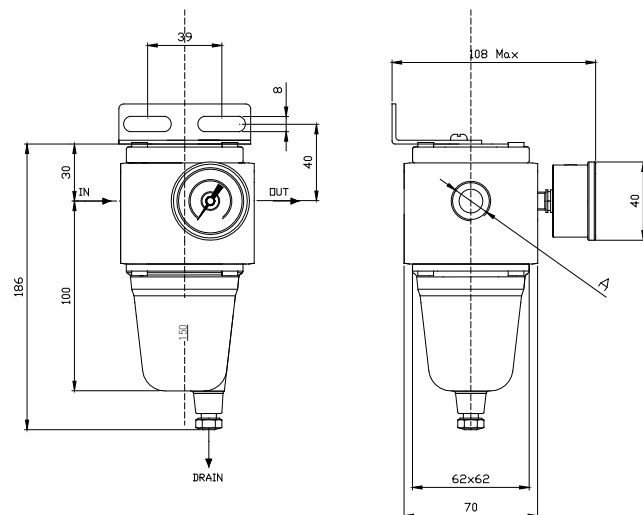
BT-F08AL/C23B

Overall dimension

Dimensioni di ingombro

Manual drain

Scarico manuale



F06 A = 3/8"

F08 A = 1/2"

Automatic drain

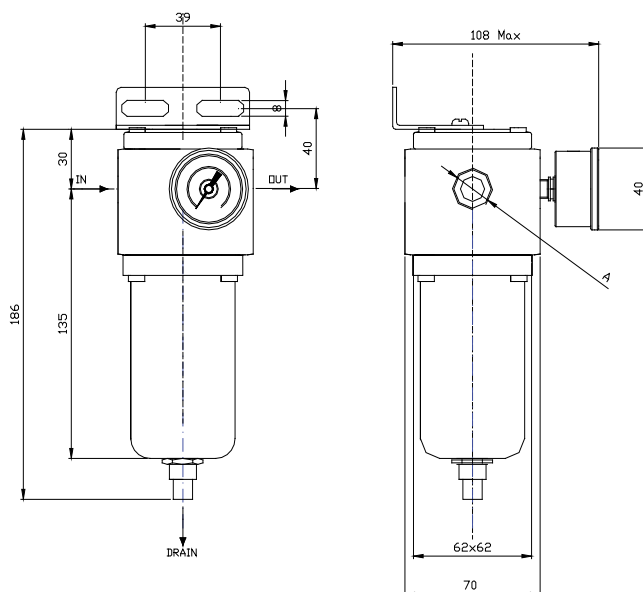
Scarico automatico

Note for automatic drain:

- max inlet pressure 16bar
- not recommended for $T < 2^{\circ}\text{C}$

Nota per scarico automatico:

- massima pressione di utilizzo 16bar
- non raccomandato per $T < 2^{\circ}\text{C}$



Accessories and repair kit

Accessori e ricambi

Maintenance kit / Kit manutenzione	Items K-F08-*-0-AL-**
Pressure gauge DN40mm, all AL Bar+psi+kpa range / Manometro DN40mm, cassa inox, scala Bar+psi+kpa	0-2bar MBSNP4S2PN3S 0-4bar MBSNP4S2PN05 0-10bar MBSNP4S2PN07
Bracket / Staffa	SQ-FR04/S

* Refers to filter element option: 1→5 micron; 2→25 micron; 3→40 micron ; 4→coalescing; 5→3 micron

** Refers to seals type: FK→FKM NB→NBR LT→EPDM FL→FVMQ HN→HNBR

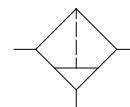
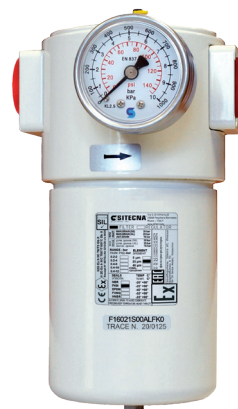
Copper free aluminum alloy 3/4"-1"NPT filter – F serie

Filtro da 3/4" - 1"NPT in lega di alluminio esente rame – serie F

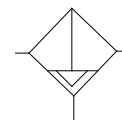
- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- High flow capacity
- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 Gb X
II 2D Ex h IIC T85°C/T100°C Db X
-  &  approved / IP66

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Elevate portate
- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 Gb X
II 2D Ex h IIC T85°C/T100°C Db X

- Approvato  ed  / IP66



Manual Drain



Automatic Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Conessioni	3/4"-1" NPT
Gauge Connection Connessione manometro	1/4"NPT (1/8"NPT option)
Filtering element Elemento filtrante	Coalescing or 5, 25, 40 micron in st. st. 316
Max inlet pressure / Pressione massima di ingresso	25bar (16bar automatic drain version)
Drain valve/ Scarico condensa	Manual or automatic
Flow Rate (at 6 bar Inlet pressure, delta P=0.35bar)/ Portata	3/4" - 7500dm ³ /min Cv=12,2 1" - 10000dm ³ /min Cv=16,3
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM); -60° up tp 90°C (FVMQ)*

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

*Special version in HNBR (WT -60°C + 90°C)

It provides excellent filtering for a wide range of applications. Rugged and corrosion-resistant – made of barstock aluminium alloy and AISI304/316 / Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in lega di alluminio tropicalizzata e AISI304/316

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in tropicalized aluminium	Corpo, coperchio, tazza in lega di alluminio tropicalizzata
Internals, bracket, lock and panel nuts, fixing screws in stainless steel	Particolari interni, staffa, dadi di bloccaggio a pannello, viti di fissaggio in acciaio inossidabile
Seals in elastomer	Tenute in elastomero
5, 25 & 40 micron filtering element in AISI316 stainless steel	Elemento filtrante da 5, 25 e 40 micron in acciaio inossidabile AISI316
Coalescing filtering element in bonded micro-fibre	Elemento filtrante a coalescenza in microfibra

Esplso del prodotto

BT-F16AL/C23B

Overall dimension

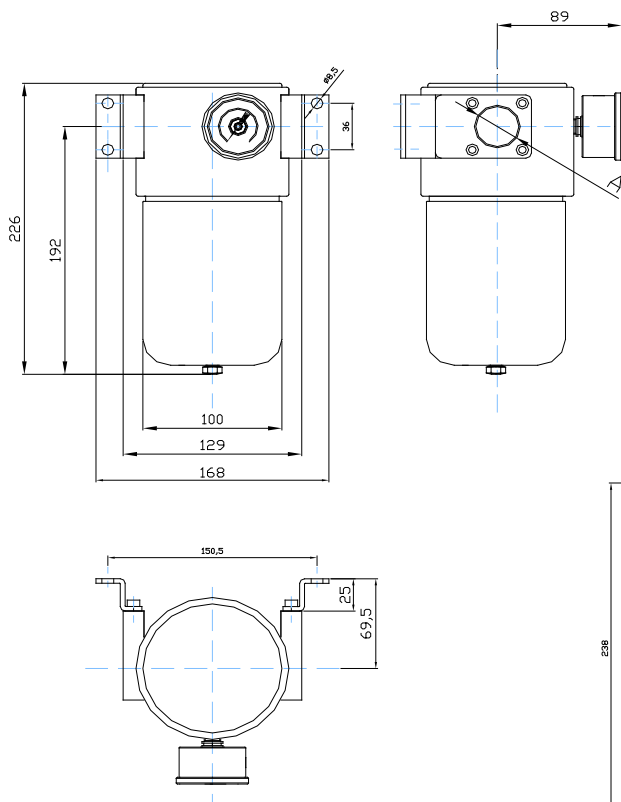
Dimensioni di ingombro

Manual drain

Scarico manuale

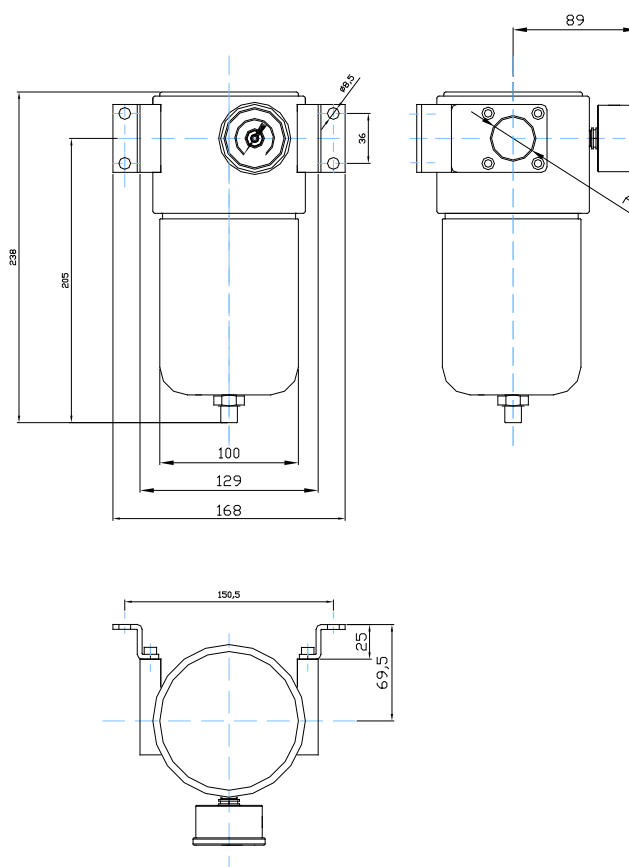
F12 A = 3/4"

F16 A = 1"



Automatic drain

Scarico automatico



Note for automatic drain:

- max inlet pressure 16bar
- not recommended for $T < 2^{\circ}\text{C}$

Nota per scarico automatico:

- massima pressione di utilizzo 16bar
- non raccomandato per $T < 2^{\circ}\text{C}$

Accessories and repair kit

Accessori e ricambi

Maintenance kit / Kit manutenzione	Items K-F16-*-0-AL-**
Pressure gauge DN40mm, SS case, Bar+psi+kpa range / Manometro DN40mm, cassa inox, scala Bar+psi+kpa	0-2bar MBSNP4S2PN3S 0-4bar MBSNP4S2PN05 0-10bar MBSNP4S2PN07
Bracket / Staffa	SQ-FR16

* Refers to filter element option: 1→5 micron 2→25 micron 3→40 micron 4→coalescing

** Refers to seals type: FK→FKM NB→NBR LT→EPDM FL→FVMQ HN→HNBR

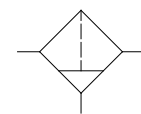
Copper free aluminum alloy 1 1/2"-2"NPT filter – F serie

Filtro da 1 1/2"-2"NPT in lega di alluminio esente rame – serie F

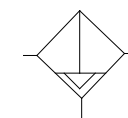
- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- High flow capacity
- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 Gb X
II 2D Ex h IIC T85°C/T100°C Db X
-  &  approved / IP66

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Elevate portate
- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 Gb X
II 2D Ex h IIC T85°C/T100°C Db X

- Approvato  ed  /IP66



Manual Drain



Automatic Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	1 1/2"-2" NPT
Gauge Connection Connessione manometro	1/4"NPT (1/8"NPT option)
Filtering element Elemento filtrante	coalescing or 5, 25, 40 micron in st. st. 316
Max inlet pressure / Pressione massima di ingresso	20 bar*
Drain valve/ Scarico condensa	Manual or automatic
Flow Rate (at 6 bar Inlet pressure, delta P=0.35bar)/ Portata	1 1/2" - 21000dm ³ /min Cv=34,5 2" - 29000dm ³ /min Cv=46,5
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM); -60° up tp 90°C (FVMQ)**

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

*NB: for auto drain: 16bar / for gas use: 15bar (in accordance with 2014/68/EU)

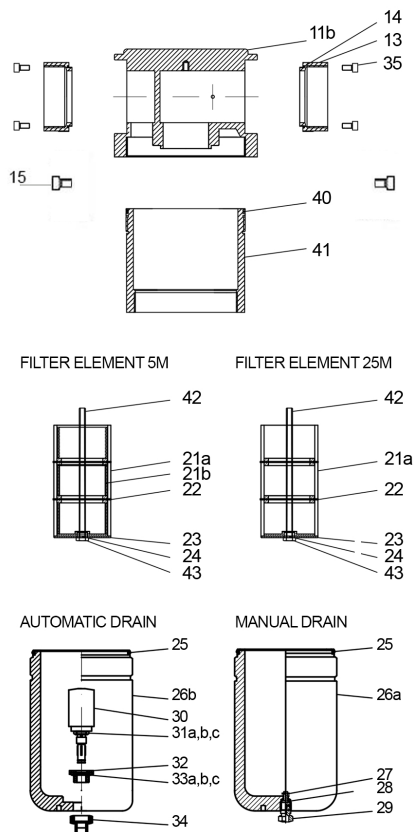
**Special version in HNBR (WT -60°C + 90°C)

It provides excellent filtering for a wide range of applications. Rugged and corrosion-resistant – made of barstock aluminium alloy and AISI304/316 / Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in lega di alluminio tropicalizzata e AISI304/316

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in tropicalized aluminum	Corpo, coperchio, tazza in lega di alluminio tropicalizzata
Internals, bracket, lock and panel nuts, fixing screws in stainless steel	Particolari interni, staffa, dadi di bloccaggio a pannello, viti di fissaggio in acciaio inossidabile
Seals in elastomer	Tenute in elastomero
5, 25 & 40 micron filtering element in AISI316 stainless steel	Elemento filtrante da 5, 25 e 40 micron in acciaio inossidabile AISI316
Coalescing filtering element in bonded micro-fibre	Elemento filtrante a coalescenza in microfibra

Product exploded view

Esploso del prodotto



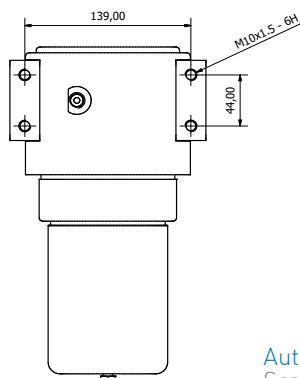
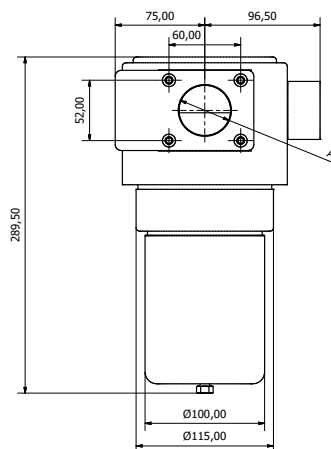
Pos.	Q.ty	Description	Descrizione
11b	1	BODY	CORPO
13	2	CONNECTION	TERMINALI FILETTATI
14	2	CONNECTION O'RING	O'RING TERMINALI
15	2	BRACKET SCREW	STAFFA
20	1	FILTER ELEMENT SUPPORT	SUPPORTO ELE. FILTRANTE
21a	3	FILTER ELEMENT 5 MICRON	ELEMENTO FILTRANTE 5 MIC
21b	3	FILTER ELEMENT 25 MICRON	ELEMENTO FILTRANTE 25 MIC
22	1	FILTER ELEMENT RING	ANELLO ELEMENTO FILTRANTE
23	1	FILTER ELEMENT PLUG	BASE ELEMENTO FILTRANTE
24	1	NUT M6	DADO M6
25	1	O'RING BOWL	O'RING TAZZA
26a	1	MANUAL DRAIN BOWL	TAZZA SCARICO MANUALE
26b	1	AUTOMATIC DRAIN BOWL	TAZZA SCARICO AUTOMATICO
27	1	BENZIN	ANELLO BENZIN
28	1	O'RING DRAIN	O'RING DRAIN
29	1	MANUAL DRAIN	SCARICO MANUALE
30	1	AUTOMATIC DRAIN	SCARICO AUTOMATICO
31	1	O'RING AUTO DRAIN	O'RING SCARICO AUTO
32	1	AUTOMATIC DRAIN SEAT	SEDE SCARICO AUTOMATICO
33	1	O'RING AUTO DRAIN	O'RING SCARICO AUTO
34	1	AUTOMATIC DRAIN SEAT	SEDE SCARICO AUTOMATICO
35	8	SCREW M6X25 DIN 912 A2	VITI M6X25
40	1	O'RING	O'RING
41	1	BOWL ADAPTER	ADATTATORE
42	1	FILTER ELEMENT SCREW	VITE ELEMENTO FILTRANTE
43	1	M6 NUT	DADO M6

Overall dimension

Dimensioni di ingombro

Manual drain

Scarico manuale

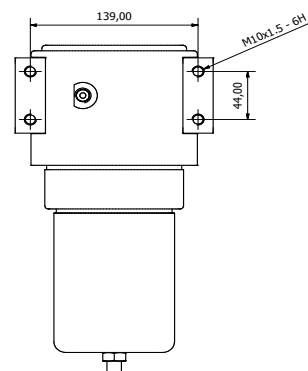
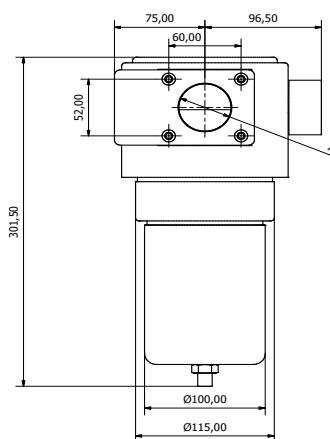
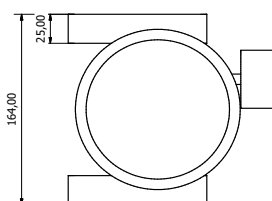


F24 A = 1 1/2"

F32 A = 2"

Automatic drain

Scarico automatico

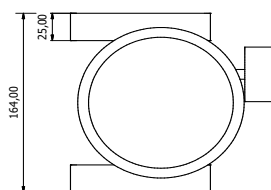


Note for automatic drain:

- max inlet pressure 16bar
- not recommended for $T < 2^{\circ}\text{C}$

Nota per scarico automatico:

- massima pressione di utilizzo 16bar
- non raccomandato per $T < 2^{\circ}\text{C}$



Accessories and repair kit

Accessori e ricambi

Maintenance kit / Kit manutenzione	Items K-F32-* -0-AL-**
Pressure gauge DN40mm, SS case, Bar+psi+kpa range / Manometro DN40mm, cassa inox, scala Bar+psi+kpa	0-2bar MBSNP4S2PN3S 0-4bar MBSNP4S2PN05 0-10bar MBSNP4S2PN07

* Refers to filter element option: 1→5 micron 2→25 micron 3→40 micron 4→coalescing

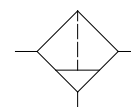
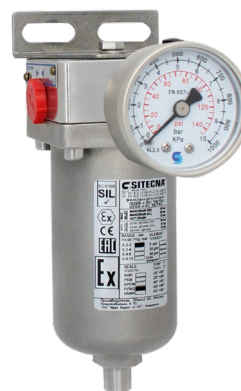
** Refers to seals type: FK→FKM NB→NBR LT→EPDM FL→FVMQ HN→HNBR

AISI316L 1/4"NPT filter – F serie

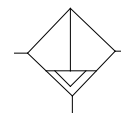
Filtro da 1/4"NPT in AISI316L – serie F

- Suitable to automation equipment, to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- High flow capacity
- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 Gb X
II 2D Ex h IIIC T85°C/T100°C Db X
-  &  approved /IP66

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari.
- Completa rintracciabilità dei materiali
- Elevate portate
- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 Gb X
II 2D Ex h IIIC T85°C/T100°C Db X
- Approvato  ed  / IP66



Manual Drain



Automatic Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	1/4"
Gauge Connection Connessione manometro	1/8"NPT (1/4"NPT option)
Filtering element Elemento filtrante	Coalescing or 3, 5, 25, 40 micron in st. st. 316
Max inlet pressure Pressione massima di ingresso	30bar (16bar automatic drain version)
Drain valve / Scarico condensa	manual or automatic
Flow Rate (at 6 bar Inlet pressure, delta P=0.5bar) / Portata	1/4" - 1000dm ³ /min Cv=1,4 1/2" - 4815dm ³ /min Cv=6,6
Working Temperature Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM); -60° up tp 90°C (FVMQ)*

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

*Special version in HNBR (WT -60°C + 90°C)

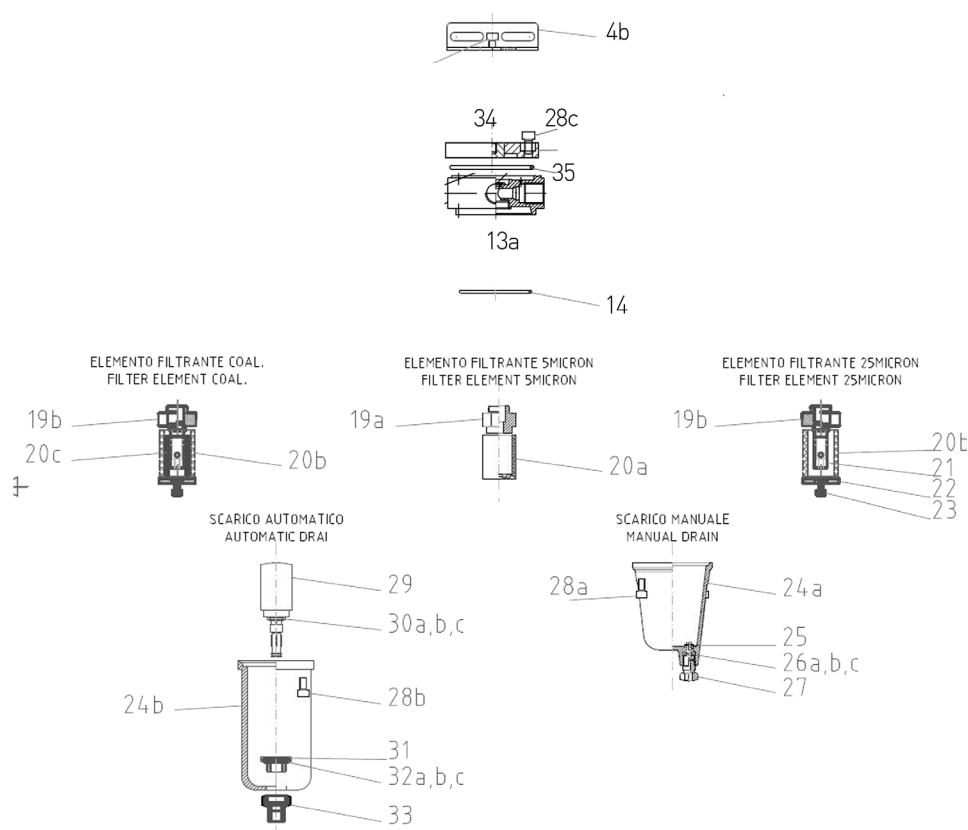
It provides excellent filtration for a wide range of applications. Rugged and corrosion resistant - made of 316/316L stainless steel.

Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione - costruito in AISI316/316L.

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in Stainless steel AISI316/316L	Corpo, coperchio, tazza in acciaio inossidabile AISI316/316L
Inyternals, bracket, lock and panel nuts, fixing screws in stainless steel	Parti interne, staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile
Seals in elastomer	Tenute in elastomero
3, 5, 25, 40 micron filtering element in AISI316 stainless steel	Elemento filtrante da 3, 5, 25 e 40 micron in acciaio inossidabile AISI316
Coalescing filtering element in bonded micro-fibre	Elemento filtrante a coalescenza in microfibra

Product exploded view

Esploso del prodotto



Pos.	Q.ty	Description	Descrizione
3	1	BRACKET NUT	DADO STAFFA
4b	1	BRACKET	STAFFA
13b	1	BODY	CORPO
13b	1	COALESCING BODY	CORPO A COALESCIENZA
14	2	O-RING	O-RING
19a	1	FILTER ELEMENT SUPPORT 5mic	SUPPORTO ELE. FILTRANTE 5 MIC
19b	1	FILTER ELEMENT SUPPORT 25mic	SUPPORTO ELE. FILTRANTE 25 MIC
20a	1	FILTER ELEMENT 5 MICRON	ELEMENTO FILTRANTE 5 MIC
20b	1	FILTER ELEMENT 25 MICRON	ELEMENTO FILTRANTE 25 MIC
20c	1	FILTER ELEMENT COALESCING	ELEMENTO FILTRANTE COALESC.
21	1	FILTER ELEMENT SUPPORT	SUPPORTO ELE. FILTRANTE
22	1	FILTER ELEMENT CASEBACK	BASE ELEMENTO FILTRANTE
23	1	SCREW M4X6	VITI M4X6
24a	1	MANUAL DRAIN BOLW	TAZZA SCARICO MANUALE
24b	1	AUTOMATIC DRAIN BOLW	TAZZA SCARICO AUTOMATICO
25	1	BENZIN	ANELLO BENZIN
26	1	O-RING	O-RING
27	1	MANUAL DRAIN	SCARICO MANUALE
28a	4	SCREW MAN. DRAIN M5X10	VITI SCARICO MANUALE M5X10
28b	4	SCREW AUTO DRAIN M5X16	VITI SCARICO AUTO M5X16
29	1	AUTOMATIC DRAIN	SCARICO AUTOMATICO
30	1	O'RING AUTO DRAIN	O'RING SCARICO AUTO
31	1	AUTOMATIC DRAIN SEAT	SEDE SCARICO AUTOMATICO
32	1	O'RING AUTOM. DRAIN	O'RING SCARICO AUTO
33	1	AUTOMATIC DRAIN SEAT	SEDE SCARICO AUTOMATICO

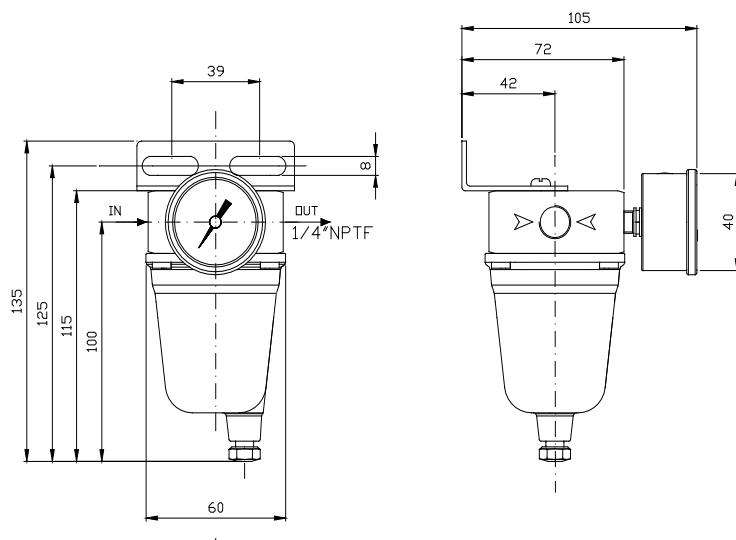
Overall dimension

Dimensioni di ingombro

Manual drain

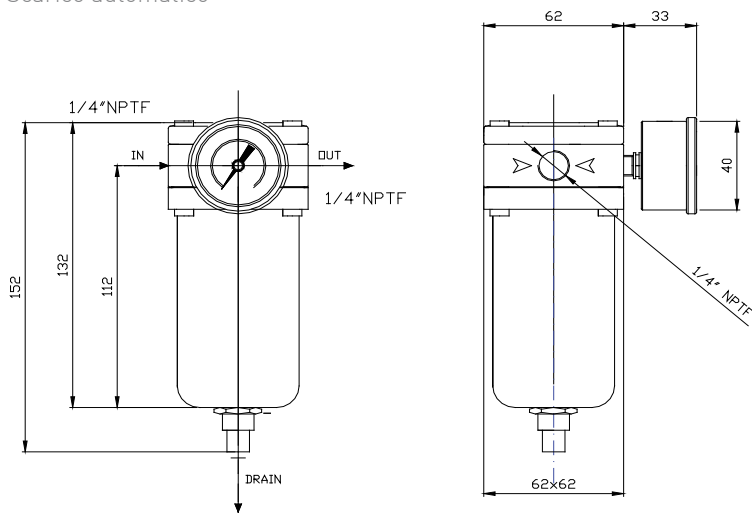
Scarico manuale

F04 A = 1/4"



Automatic drain

Scarico automatico



Note for automatic drain:
- max inlet pressure 16bar
- not recommended for $T < 2^{\circ}\text{C}$

Nota per scarico automatico:
- massima pressione di utilizzo 16bar
- non raccomandato per $T < 2^{\circ}\text{C}$

Accessories and repair kit

Accessori e ricambi

Maintenance kit / Kit manutenzione	Items K-F04-* -0-SS-**
Pressure gauge DN40mm, all SS Bar+psi+kpa range / Manometro DN40mm, tutto inox, scala Bar+psi+kpa	0-2,5 bar MBS6P4S2PN04 0-4bar MBS6P4S2PN05 0-10bar MBS6P4S2PN07
Bracket / Staffa	SQ-FR04/S

* Refers to filter element option: 1→5 micron; 2→25 micron; 3→40 micron ; 4→coalescing; 5→3 micron

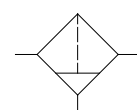
** Refers to seals type: FK→FKM NB→NBR LT→EPDM FL→FVMQ HN→HNBR

AISI316L 3/8" - 1/2" NPT filter – F serie

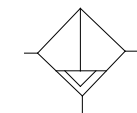
Filtro da 3/8" - 1/2"NPT in AISI316L – serie F

- Suitable to automation equipment, to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- High flow capacity
- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 Gb X
II 2D Ex h IIIC T85°C/T100°C Db X
-  &  approved /IP66

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari.
- Completa rintracciabilità dei materiali
- Elevate portate
- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 Gb X
II 2D Ex h IIIC T85°C/T100°C Db X
- Approvato  ed  / IP66



Manual Drain



Automatic Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	3/8"-1/2" NPT
Gauge Connection Connessione manometro	1/8"NPT (1/4"NPT option)
Filtering element Elemento filtrante	Coalescing or 3, 5, 25, 40 micron in st. st. 316
Max inlet pressure Pressione massima di ingresso	30bar (16bar automatic drain version)
Drain valve / Scarico condensa	manual or automatic
Flow Rate (at 6 bar Inlet pressure, delta P=0.5bar)/ Portata	1/2" - 4815 dm3/min Cv=6,6
Working Temperature Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM); -60° up tp 90°C (FVMQ)*

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

*Special version in HNBR (WT -60°C + 90°C)

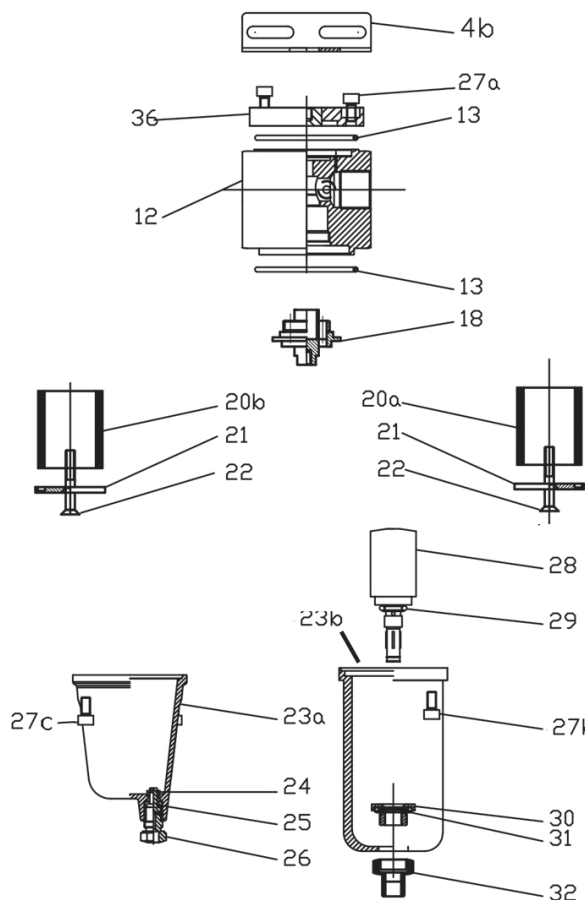
It provides excellent filtration for a wide range of applications. Rugged and corrosion resistant - made of 316/316L stainless steel.

Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione - costruito in AISI316/316L.

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in Stainless steel AISI316/316L	Corpo, coperchio, tazza in acciaio inossidabile AISI316/316L
Inyternals, bracket, lock and panel nuts, fixing screws in stainless steel	Parti interne, staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile
Seals in elastomer	Tenute in elastomero
3, 5, 25, 40 micron filtering element in AISI316 stainless steel	Elemento filtrante da 3, 5, 25 e 40 micron in acciaio inossidabile AISI316
Coalescing filtering element in bonded micro-fibre	Elemento filtrante a coalescenza in microfibra

Product exploded view

Esploso del prodotto



Pos.	Q.ty	Description	Descrizione
4b	1	BRACKET F04	STAFFA
12	1	BODY	CORPO
13	2	O-RING	O-RING
18	1	FILTER ELEMENT SUPPORT	SUPPORTO ELE. FILTRANTE
20a	1	FILTER ELEMENT 5 MICRON	ELEMENTO FILTRANTE 5 MIC
20b	1	FILTER ELEMENT 25 MICRON	ELEMENTO FILTRANTE 25 MIC
21	1	FILTER ELEMENT PLUG	BASE ELEMENTO FILTRANTE
22	1	SCREW M5X30	VITE M5X30
23a	1	MANUAL DRAIN BOLW	TAZZA SCARICO MANUALE
23b	1	AUTOMATIC DRAIN BOLW	TAZZA SCARICO AUTOMATICO
24	1	BENZIN	ANELLO BENZIN
25	1	O'RING DRAIN	O'RING DRAIN
26	1	MANUAL DRAIN	SCARICO MANUALE
27a	4	SCREW M5X10	VITI PIATTELLO SPERIORE M5X10
27b	4	SCREW AUTO DRAIN M5X16	VITI SCARICO AUTO M5X16
27c	4	SCREW MAN DRAIN M5X10	VITI SCARICO MANUALE M5X10
28	1	AUTOMATIC DRAIN	SCARICO AUTOMATICO
29	1	O'RING AUTO DRAIN	O'RING SCARICO AUTO
30	1	AUTOMATIC DRAIN SEAT	SEDE SCARICO AUTOMATICO
31	1	O'RING AUTO DRAIN	O'RING SCARICO AUTO
32	1	AUTOMATIC DRAIN SEAT	SEDE SCARICO AUTOMATICO
36	1	FILTER TOP	PIATTELLO SUPERIORE

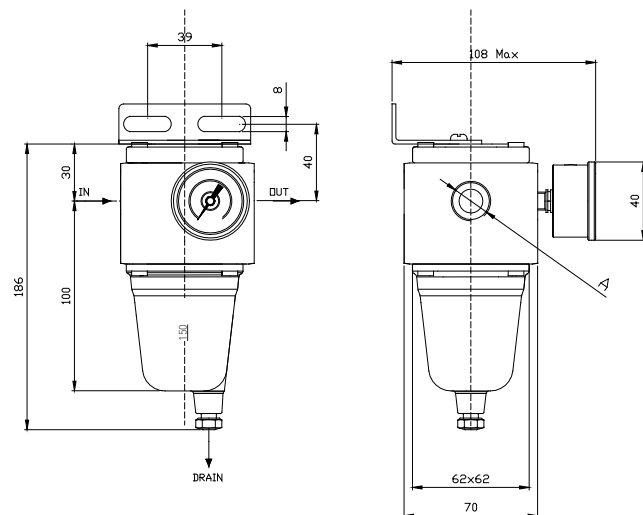
BT-F08SS/C23B

Overall dimension

Dimensioni di ingombro

Manual drain

Scarico manuale



F06 A = 3/8"

F08 A = 1/2"

Automatic drain

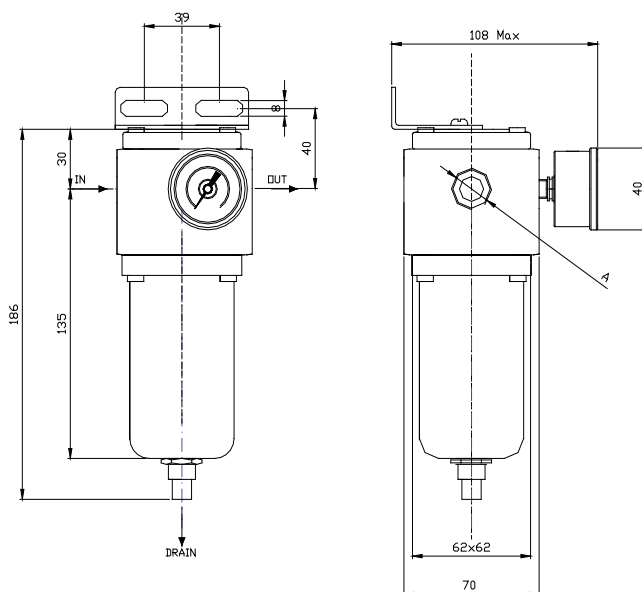
Scarico automatico

Note for automatic drain:

- max inlet pressure 16bar
- not recommended for $T < 2^{\circ}\text{C}$

Nota per scarico automatico:

- massima pressione di utilizzo 16bar
- non raccomandato per $T < 2^{\circ}\text{C}$



Accessories and repair kit

Accessori e ricambi

Maintenance kit / Kit manutenzione	Items K-F08-*-0-SS-**
Pressure gauge DN40mm, all SS Bar+psi+kpa range / Manometro DN40mm, tutto inox, scala Bar+psi+kpa	0-2,5 bar MBS6P4S2PN04 0-4bar MBS6P4S2PN05 0-10bar MBS6P4S2PN07
Bracket / Staffa	SQ-FR04/S

* Refers to filter element option: 1→5 micron; 2→25 micron; 3→40 micron ; 4→coalescing; 5→3 micron

** Refers to seals type: FK→FKM NB→NBR LT→EPDM FL→FVMQ HN→HNBR

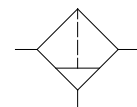
AISI316L 3/4"-1"NPT filter – F serie

Filtro da 3/4" - 1"NPT in AISI316L – serie F

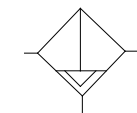
- Suitable to automation equipment, to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- High flow capacity
- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 Gb X
II 2D Ex h IIIC T85°C/T100°C Db X
-  &  approved /IP66

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari.
- Completa rintracciabilità dei materiali
- Elevate portate
- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 Gb
II 2D Ex h IIIC T85°C/T100°C Db X

- Approvato  ed  / IP66



Manual Drain



Automatic Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Conessioni	3/4"-1" NPT
Gauge Connection Connessione manometro	1/4"NPT (1/8"NPT option)
Filtering element Elemento filtrante	coalescing or 5, 25, 40 micron in st. st. 316
Max inlet pressure / Pressione massima di ingresso	30bar (16bar automatic drain version)
Drain valve/ Scarico condensa	Manual or automatic
Flow Rate (at 6 bar Inlet pressure, delta P=0.35bar)/ Portata	3/4" - 7500dm3/min Cv=12,2 1" - 10000dm3/min Cv=16,3
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM); -60° up tp 90°C (FVMQ)*

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

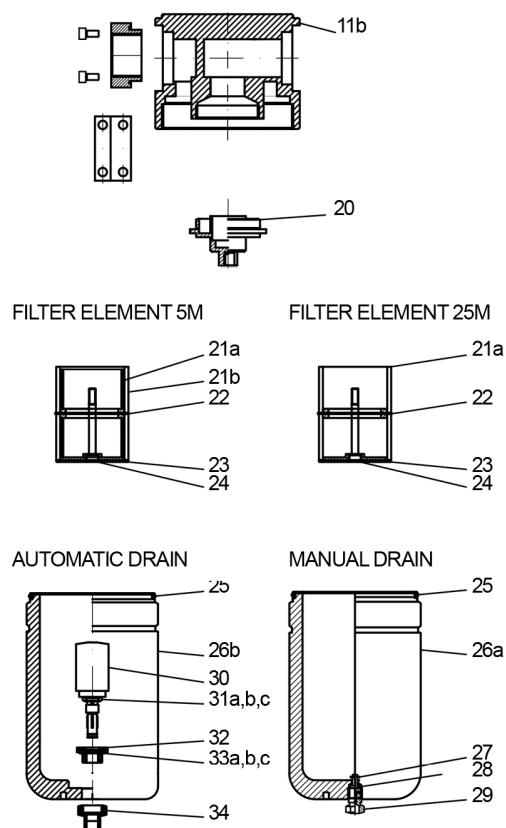
*Special version in HNBR (WT -60°C + 89°C)

It provides excellent filtering for a wide range of applications. Rugged and corrosion-resistant – made of 316L stainless steel / Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in acciaio inossidabile 316L

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in Stainless steel AISI316/316L	Corpo, coperchio, tazza in acciaio inossidabile AISI316/316L
Inyternals, bracket, lock and panel nuts, fixing screws in stainless steel	Parti interne, staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile
Seals in elastomer	Tenute in elastomero
5, 25, 40 micron filtering element in AISI316 stainless steel	Elemento filtrante da 5, 25 e 40 micron in acciaio inossidabile AISI316
Coalescing filtering element in bonded micro-fibre	Elemento filtrante a coalescenza in microfibra

Product exploded view

Esploso del prodotto



Pos.	Q.ty	Description	Descrizione
11b	1	BODY	CORPO
13	2	CONNECTION	FLANGE
14	2	O'RING	O'RING
15	2	BRACKET	STAFFA
20	1	FILTER ELEMENT SUPPORT	SUPPORTO ELE. FILTRANTE
21a	2	FILTER ELEMENT 5 MICRON	ELEMENTO FILTRANTE 5 MIC
21b	2	FILTER ELEMENT 25 MICRON	ELEMENTO FILTRANTE 25 MIC
22	1	FILTER ELEMENT RING	ANELLO ELEMENTO FILTRANTE
23	1	FILTER ELEMENT PLUG	BASE ELEMENTO FILTRANTE
24	1	FILTER ELEMENT SCREW	VITE ELEMENTO FILTRANTE
25	1	O'RING BOWL	O'RING TAZZA
26a	1	MANUAL DRAIN BOWL	TAZZA SCARICO MANUALE
26b	1	AUTOMATIC DRAIN BOWL	TAZZA SCARICO AUTOMATICO
27	1	BENZIN	ANELLO BENZIN
28	1	O'RING DRAIN	O'RING DRAIN
29	1	MANUAL DRAIN	SCARICO MANUALE
30	1	AUTOMATIC DRAIN	SCARICO AUTOMATICO
31	1	O'RING AUTO DRAIN	O'RING SCARICO AUTO
32	1	AUTOMATIC DRAIN SEAT	SEDE SCARICO AUTOMATICO
33	1	O'RING AUTO DRAIN	O'RING SCARICO AUTO
34	1	AUTOMATIC DRAIN SEAT	SEDE SCARICO AUTOMATICO

Overall dimension

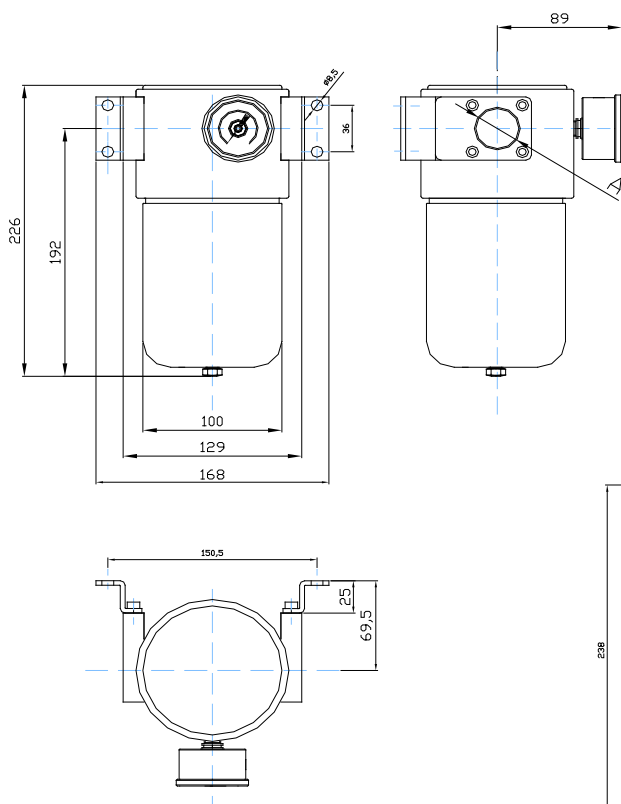
Dimensioni di ingombro

Manual drain

Scarico manuale

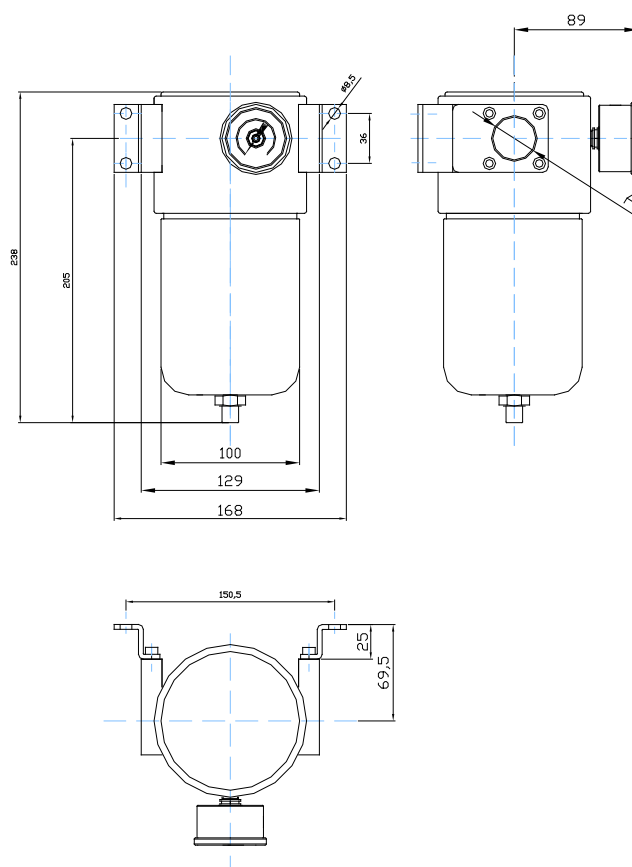
F12 A = 3/4"

F16 A = 1"



Automatic drain

Scarico automatico



Note for automatic drain:

- max inlet pressure 16bar
- not recommended for $T < 2^{\circ}\text{C}$

Nota per scarico automatico:

- massima pressione di utilizzo 16bar
- non raccomandato per $T < 2^{\circ}\text{C}$

Accessories and repair kit

Accessori e ricambi

Maintenance kit / Kit manutenzione	Items K-F16-*-0-SS-**
Pressure gauge DN40mm, SS case, Bar+psi+kpa range / Manometro DN40mm, tutto inox, scala Bar+psi+kpa	0-2,5 bar MBS6P4S2PN04 0-4bar MBS6P4S2PN05 0-10bar MBS6P4S2PN07
Bracket / Staffa	R-16-STSS

* Refers to filter element option: 1→5 micron; 2→25 micron; 3→40 micron; 4→coalescing

** Refers to seals type: FK→FKM NB→NBR LT→EPDM FL→FVMQ HN→HNBR

AISI316L 1 1/2"-2"NPT filter – F serie

Filtro da 1 1/2"- 2"NPT in AISI316L – serie F

- Suitable to automation equipment, to onshore, offshore, pharmaceutical, medical and food applications

- Full material traceability

- High flow capacity

- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 Gb X
II 2D Ex h IIIC T85°C/T100°C Db X

-  &  approved /IP66

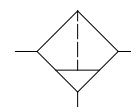
- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari.

- Completa rintracciabilità dei materiali

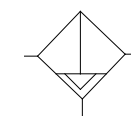
- Elevate portate

- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 Gb X
II 2D Ex h IIIC T85°C/T100°C Db X

- Approvato  ed  / IP66



Manual Drain



Automatic Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	1 1/2"-2" NPT
Gauge Connection Connessione manometro	1/4"NPT (1/8"NPT option)
Filtering element Elemento filtrante	coalescing or 5, 25, 40 micron in st. st. 316
Max inlet pressure / Pressione massima di ingresso	20bar*
Drain valve/ Scarico condensa	Manual or automatic
Flow Rate (@6 bar Inlet pressure, delta P=0.35bar)/ Portata	1 1/2" - 21000dm3/min Cv=34,5 2" - 29000dm3/min Cv=46,5
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM); -60° up tp 90°C (FVMQ)**

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

*NB: for auto drain: 16bar / for gas usage: 15bar (in accordance with 2014/68/EU)

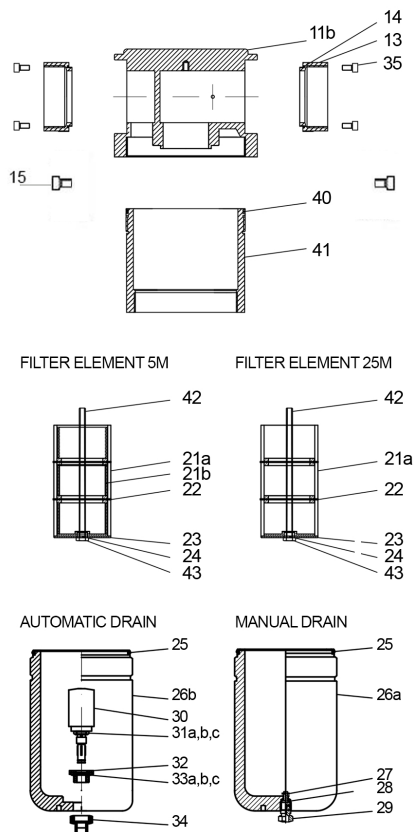
**Special version in HNBR (WT -60°C + 90°C)

It provides excellent filtering for a wide range of applications. Rugged and corrosion-resistant – made of 316L stainless steel / Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in acciaio inossidabile 316L

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in Stainless steel AISI316/316L	Corpo, coperchio, tazza in acciaio inossidabile AISI316/316L
Inyternals, bracket, lock and panel nuts, fixing screws in stainless steel	Parti interne, staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile
Seals in elastomer	Tenute in elastomero
5, 25, 40 micron filtering element in AISI316 stainless steel	Elemento filtrante da 5, 25 e 40 micron in acciaio inossidabile AISI316
Coalescing filtering element in bonded micro-fibre	Elemento filtrante a coalescenza in microfibra

Product exploded view

Esploso del prodotto



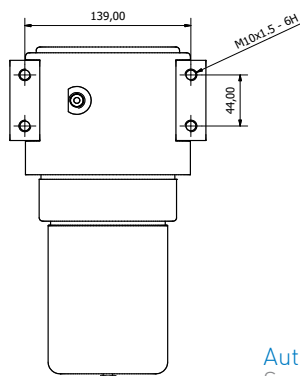
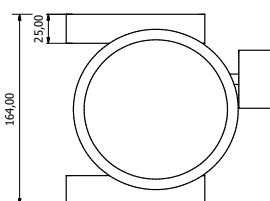
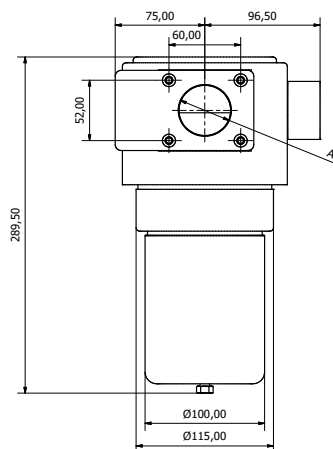
Pos.	Q.ty	Description	Descrizione
11b	1	BODY	CORPO
13	2	CONNECTION	TERMINALI FILETTATI
14	2	CONNECTION O'RING	O'RING TERMINALI
15	2	BRACKET SCREW	STAFFA
20	1	FILTER ELEMENT SUPPORT	SUPPORTO ELE. FILTRANTE
21a	3	FILTER ELEMENT 5 MICRON	ELEMENTO FILTRANTE 5 MIC
21b	3	FILTER ELEMENT 25 MICRON	ELEMENTO FILTRANTE 25 MIC
22	1	FILTER ELEMENT RING	ANELLO ELEMENTO FILTRANTE
23	1	FILTER ELEMENT PLUG	BASE ELEMENTO FILTRANTE
24	1	NUT M6	DADO M6
25	1	O'RING BOWL	O'RING TAZZA
26a	1	MANUAL DRAIN BOWL	TAZZA SCARICO MANUALE
26b	1	AUTOMATIC DRAIN BOWL	TAZZA SCARICO AUTOMATICO
27	1	BENZIN	ANELLO BENZIN
28	1	O'RING DRAIN	O'RING DRAIN
29	1	MANUAL DRAIN	SCARICO MANUALE
30	1	AUTOMATIC DRAIN	SCARICO AUTOMATICO
31	1	O'RING AUTO DRAIN	O'RING SCARICO AUTO
32	1	AUTOMATIC DRAIN SEAT	SEDE SCARICO AUTOMATICO
33	1	O'RING AUTO DRAIN	O'RING SCARICO AUTO
34	1	AUTOMATIC DRAIN SEAT	SEDE SCARICO AUTOMATICO
35	8	SCREW M6X25 DIN 912 A2	VITI M6X25
40	1	O'RING	O'RING
41	1	BOWL ADAPTER	ADATTATORE
42	1	FILTER ELEMENT SCREW	VITE ELEMENTO FILTRANTE
43	1	M6 NUT	DADO M6

Overall dimension

Dimensioni di ingombro

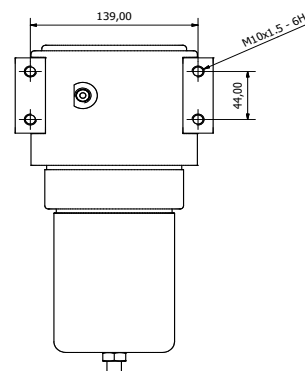
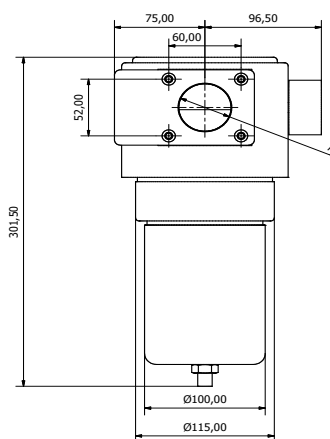
Manual drain

Scarico manuale



Automatic drain

Scarico automatico

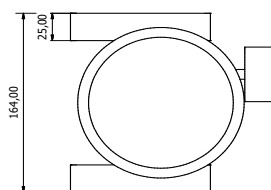


Note for automatic drain:

- max inlet pressure 16bar
- not recommended for $T < 2^{\circ}\text{C}$

Nota per scarico automatico:

- massima pressione di utilizzo 16bar
- non raccomandato per $T < 2^{\circ}\text{C}$



Accessories and repair kit

Accessori e ricambi

Maintenance kit / Kit manutenzione	Items K-F32-*0-SS-**
Pressure gauge DN40mm, SS case, Bar+psi+kpa range / Manometro DN40mm, tutto inox, scala Bar+psi+kpa	0-2,5 bar MBS6P4S2PN04 0-4bar MBS6P4S2PN05 0-10bar MBS6P4S2PN07

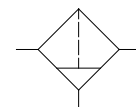
* Refers to filter element option: 1→5 micron 2→25 micron 3→40 micron 4→coalescing

** Refers to seals type: FK→FKM NB→NBR LT→EPDM FL→FVMQ HN→HNBR

AISI316L 1/4" - 1/2" NPT high pressure filter – F serie 60B

Filtro per alte pressioni da 1/4" - 1/2"NPT in AISI316L – serie F 60B

- Suitable to automation equipment, to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- High flow capacity
- Adatto per automazione in applicazioni marine, petrol-chimiche, farmaceutiche, medicali e alimentari.
- Completa rintracciabilità dei materiali
- Elevate portate



Manual Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	1/4" - 1/2" NPT
Filtering element Elemento filtrante	Coalescing, 40 micron (other on demand)
Max inlet pressure Pressione massima di ingresso	60bar* (SEP applications)
Drain valve / Scarico condensa	manual
Working Temperature Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM); -60° up tp 90°C (HNBR)

*80bar - not PED applications

It provides excellent filtration for a wide range of applications. Rugged and corrosion resistant - made of 316/316L stainless steel.

Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione - costruito in AISI316/316L.

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in Stainless steel AISI316/316L	Corpo, coperchio, tazza in acciaio inossidabile AISI316/316L
Inyternals, bracket, lock and panel nuts, fixing screws in stainless steel	Parti interne, staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile
Seals in elastomer	Tenute in elastomero
40 micron filtering element in AISI316 stainless steel	Elemento filtrante 40 micron in acciaio inossidabile AISI316
Coalescing filtering element in bonded micro-fibre	Elemento filtrante a coalescenza in microfibra

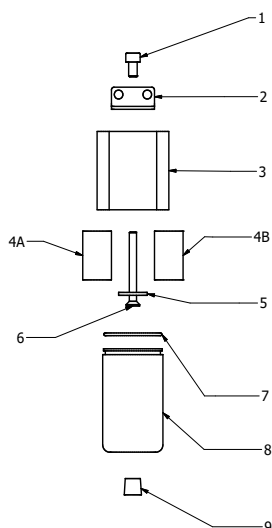
Accessories

Accessori

Bracket / Staffa	SQ-F60B
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Product exploded view

Esploso del prodotto



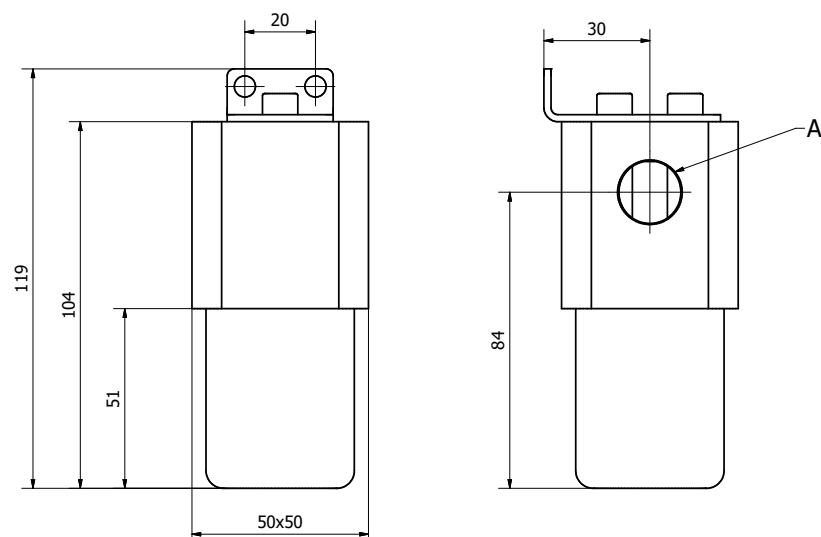
Pos.	Q.ty	Description	Descrizione
1	2	BRACKET SCREWS	VITI STAFFA
2	1	BRACKET	STAFFA
3	1	BODY	CORPO
4a	1	40 MICRON FILTER ELEMENT	ELEMENTO FILTRANTE 40 MIC
4b	1	COALESCING FILTER ELEMENT	ELEM. FILTRANTE COALESCENZA
5	1	FILTER ELEMENT SUPPORT	SUPPORTO ELE. FILTRANTE
6	1	SCREW	VITE
7	1	O'RING	O'RING
8	1	MANUAL DRAIN BOLW	TAZZA SCARICO MANUALE
9	1	MANUAL DRAIN	SCARICO MANUALE

Overall dimension

Dimensioni di ingombro

F04 A = 1/4"

F08 A = 1/2"



Ordering informations

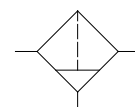
Come ordinare

TYPE F= Filter	SIZE 04= 1/4" NPT 08= 1/2" NPT	MATERIAL SS= 316-316L Stainless steel	Specials 60B= high pressure version
F	08	00 0 0 SS FK	2 - 6 0 B
FILTER ELEMENT 3= 40 micron 4= coalescing		DIAPHRAGM & SEALS MATERIAL FK= FKM (WT-25° +90°C) NB= NBR (WT-20° +80°C) LT= EPDM (WT-40° +80°C) HN= LT HNBR (WT -60°+90°C)	ACCESSORIES 0= None 2= SS bracket kit 4= Customised Tag 6= SS bracket kit +customised Tag

AISI316L 1/4"NPT filter with borosilicate glass bowl – FP serie

Filtro da 1/4"NPT in AISI316L con tazza in borosilicato – serie FP

- Suitable to process analysis application
 - Full material traceability
 - Borosilicate bowl for easy checking
-
- Adatto per applicazioni di analisi di processo
 - Completa rintracciabilità dei materiali
 - La tazza in borosilicato consente un facile controllo



Manual Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	1/4"
Filtering element Elemento filtrante	Coalescing or 3, 5, 40 micron in AISI316
Max inlet pressure Pressione massima di ingresso	10bar
Drain connection Connessione scarico	1/8"NPT
Working Temperature Temperatura di esercizio	-30°C up to 180°C (FKM)*

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

***Special version with different gasket materials**

It provides excellent filtration for a wide range of applications. Rugged and corrosion resistant - made of 316/316L stainless steel & borosilicate glass.

Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione - costruito in AISI316/316L e vetro borosilicato.

BUILDING MATERIALS	Materiali costruttivi
Body & plate in Stainless steel AISI316/316L	Corpo e ghiera in acciaio inossidabile AISI316/316L
Bowl in borosilicate	Tazza inferiore in vetro borosilicato
Internals, bracket, fixing screws in stainless steel AISI316	Parti interne, staffa, viti di fissaggio in acciaio inossidabile AISI316
Seals in elastomer	Tenute in elastomero
3, 5, 40 micron filtering element in AISI316 stainless steel	Elemento filtrante da 3, 5 e 40 micron in acciaio inossidabile AISI316
Coalescing filtering element in bonded micro-fibre	Elemento filtrante a coalescenza in microfibra

Drain options

Opzioni di scarico

Standard drain = 1/8"NPT F
 Scarico standard = 1/8" NPT F

Option 1 = 1/8"NPT F plugged
 Opzione 1 = 1/8" NPT tappato

Option 2 = complete with SS316 1/4"NPT manual valve
 VP041K0000SSFK0

Opzione 2 = completo di valvola manuale in AISI316 da 1/4"NPT
 VP041K0000SSFK0

Option 3 = complete with SS316 2ways solenoid valve 24V CC
 Opzione 3 = completo di valvola a solenoide in AISI316 24V CC

DRAIN VASSEL: all version are combinable with a drain vassel
 (see 'how to order' section) in borosilicate 1/8"NPT F

SERBATOIO DI ACCUMOLO CONDENZA: tutte le versioni sono
 abbinabili ad un serbatoio di accumulo condensa
 (vedere 'come ordinare')



Drain Vassel

Ordering information

Come ordinare

TYPE

FP= Filter with
 borosilicate bowl

SIZE

04= 1/4" NPT

FILTER ELEMENT

1= 5 micron
 3= 40 micron
 4= coalescing
 5= 3 micron

SEALS MATERIAL

FK= FKM (WT-30° +180°C)

Specials

FP 04 0 1 00 0 0 SS FK 2 # #

DRAIN OPTIONS

00= 1/8"NPT F
 01= 1/8"NPT F plugged
 02= 1/4NPT F SS316 manual valve
 03= 1/4"NPT F solenoid valve 24V cc
 90= drain vassel in borosilicate 1/8"NPT
 91= drain vassel + plugged drain
 92= drain vassel + 1/4NPT F SS316 manual valve
 93= drain vassel + 1/4"NPT F solenoid valve 24V cc

ACCESSORIES

0= None
 2= SS bracket kit
 4= Customised Tag
 6= SS bracket kit+custom.Tag

MATERIAL

SS= 316-316L Stainless steel

Accessories and repair kit

Accessori e ricambi

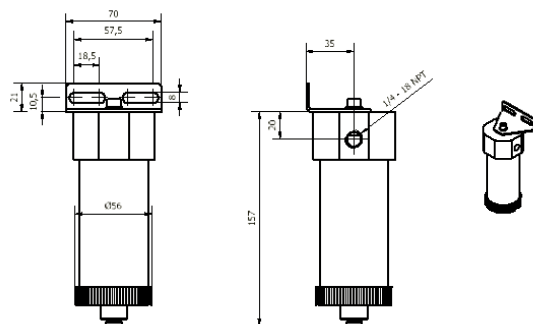
kit Filtering elements / Elementi filtranti	Items K-FP04-*-SS-FK
Bracket / Staffa	SQ-FR04/S

* Refers to filter element option: 1→5 micron; 3→40 micron ; 4→coalescing; 5→3 micron

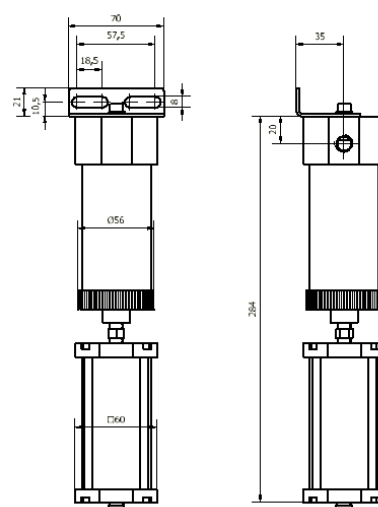
Overall dimension

Dimensioni di ingombro

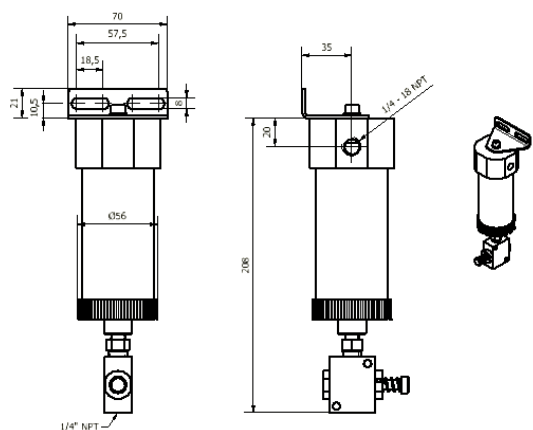
1/8"NPT F drain (plugged)
scarico 1/8"NPT F (tappato)



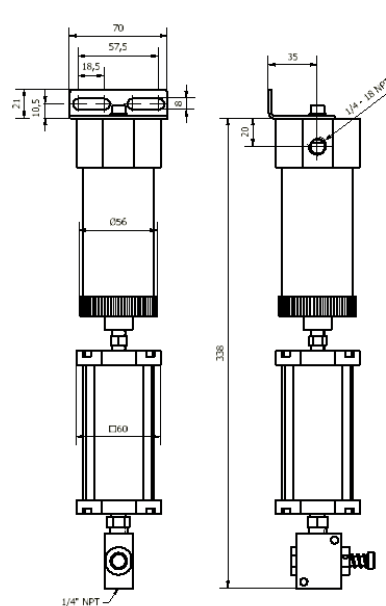
+ drain vessel 1/8"NPT F drain (plugged)
+serbatotio e scarico 1/8"NPT F (tappato)



+ manual valve
+ valvola manuale



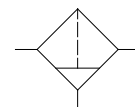
+ drain vessel & manual valve
+ serbatoio & valvola manuale



Borosilicate glass drain vassel - serie

Serbatoio di accumulo consensa in borosilicato – serie

abbinabile a tutti F FR per molte applicazione



Manual Drain

Drain options

Opzioni di scarico

Standard drain = 1/8"NPT F

Scarico standard = 1/8" NPT F

Option 1 = 1/8"NPT F plugged

Opzione 1 = 1/8" NPT tappato

Option 2 = complete with SS316 1/4"NPT ball valve
VS041K0000SSPT0

Opzione 2 = completo di valvola a sfera in AISI316 da 1/4"NPT
VS041K0000SSPT0

Option 3 = complete with SS316 2ways solenoid valve 24V CC

Opzione 3 = completo di valvola a solenoide in AISI316 24V CC

Overall dimension

Dimensioni di ingombro

1/8"NPT F drain (plugged)
scarico 1/8"NPT F (tappato)

+ ball valve
+ valvola a sfera

+ solenoid valve
+ valvola a solenoide

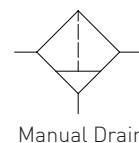
BUILDING MATERIALS	Materiali costruttivi
Body & plate in Stainless steel AISI316/316L	Corpo e pannello in acciaio inossidabile AISI316/316L
Bowl in borosilicate	Tazza inferiore in vetro borosilicato

AISI316L 1/4" NPT miniaturized filter – FM serie

Mini-filtro da 1/4"NPT in AISI316L – serie FM

- Suitable to automation equipment, to onshore, offshore, analysis, pharmaceutical, medical and food applications
- Full material traceability
- Compact sizes
- 5 micron, 25micron or coalescing element available

- Adatto per automazione in applicazioni marine, petrolchimiche, di analisi, farmaceutiche, medicali e alimentari.
- Completa rintracciabilità dei materiali
- Dimensioni contenute
- Disponibile con elemento filtrante da 5 micron, 25 micron o a coalescenza



Manual Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Conessioni	1/4"NPT
Gauge Connection Connessione manometro	1/8"NPT
Filtering element Elemento filtrante	Coalescing or SS316 5, 25 micron
Max inlet pressure Pressione massima di ingresso	12bar
Drain valve / Scarico condensa	manual or plugged
Flow Rate (@6 bar Inlet pressure, delta P=0.5bar)/ Portata	400dm3/min
Working Temperature Temperatura di esercizio	0°C up to 50°C (-10° with dry air)

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

It provides excellent filtration for a wide range of applications. Rugged and corrosion resistant - made of 316/316L stainless steel & polycarbonate.

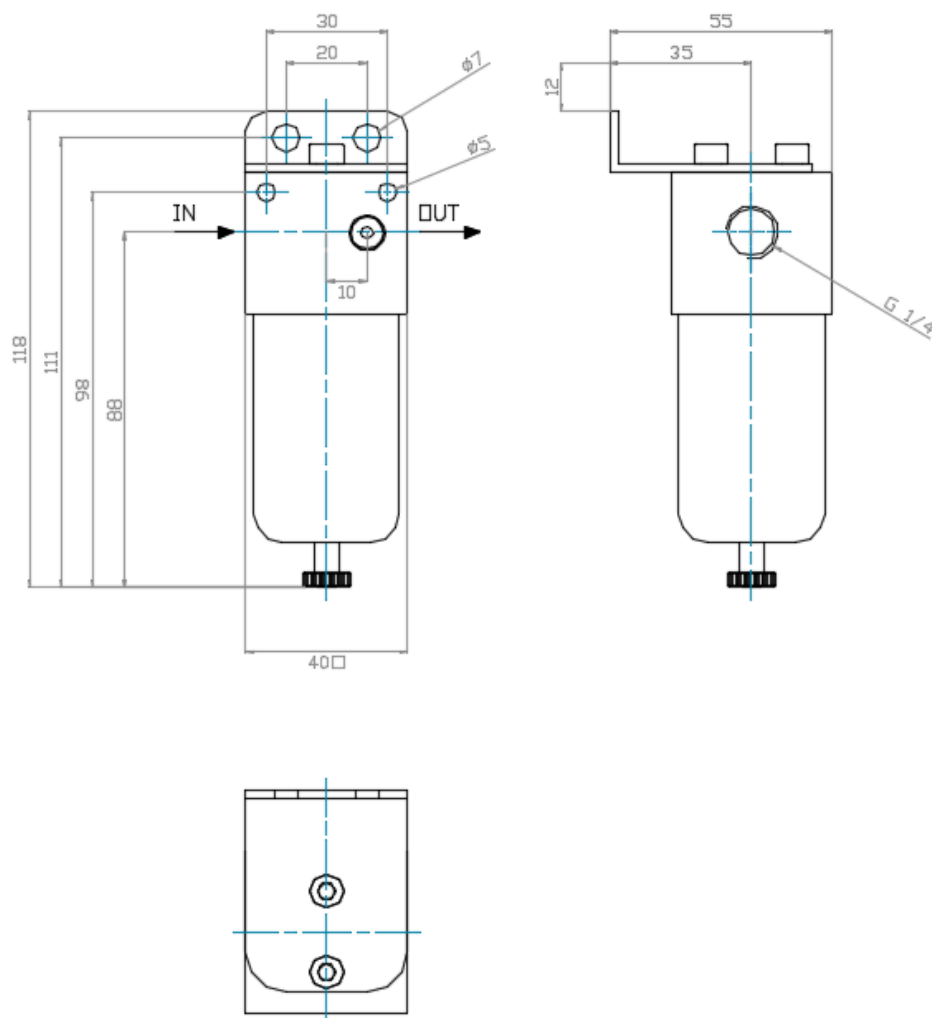
Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione - costruito in AISI316/316L e polycarbonato.

BUILDING MATERIALS	Materiali costruttivi
Body in Stainless steel AISI316L to NACE MR0175	Corpo in acciaio inossidabile AISI316L secondo NACE MR0175
Bowl in transparent techno-polymer	Tazza in tecno-polimero trasparente
Bracket, lock and panel nuts, fixing screws in 316 stainless steel	Staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile AISI316
Seals & gaskets in elastomer	Tenute e guarnizioni in elastomero
5 & 25 micron filtering element in AISI316 stainless steel	Elemento filtrante da 5 e 25 micron in acciaio inossidabile AISI316
Coalescing filtering element in bonded micro-fibre	Elemento filtrante a coalescenza in microfibra

Overall dimension

Dimensioni di ingombro

FM04 serie



Ordering information

Come ordinare

TYPE		SIZE		DIAPHRAGM & SEALS MATERIAL							Specials	
FM= Filter		04= 1/4" NPT		FK= FKM (WT-25° +90°C)								
				NB= NBR (WT-20° +80°C)								
				LT= EPDM (WT-40° +80°C)								
F M	04	0	1	00	0	0	SS	NB	2	#	#	
FILTER ELEMENT				MATERIAL				ACCESSORIES				
1= 5 micron				SS= 316-316L				0= None				
4= coalescing				Stainless steel				2= SS bracket kit				
								4= Customised Tag				
								6= SS bracket kit+custom.Tag				

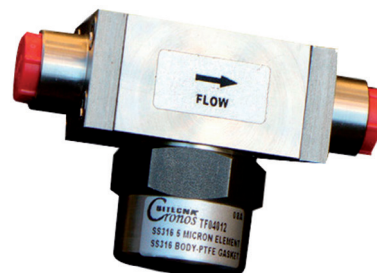
BT-FMSS/C24B

AISI316L 1/4" NPT tee filter – TF serie

Filtro a T da 1/4"NPT in AISI316L – serie TF

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- High flow capacity
- High pressure design to 70bar
- ATEX 2014/34/UE  II 2G Exh IIC T6/T5 Gb X
II 2D Exh IIIC T85°C/T100°C Db X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicinali e alimentari
- Completa rintracciabilità dei materiali
- Elevate portate
- Progettazione per alta pressione 70bar
- ATEX 2014/34/UE  II 2G Ex h IIC T6/T5 Gb X
II 2D Ex h IIIC T85°C/T100°C Db X
- Approvato  ed 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Conessioni	1/4" NPT
Filtering element Elemento filtrante	5micron in SS316
Max inlet pressure Pressione massima di ingresso	70bar
Orefice / Orifizio	DN6.5mm
Working Temperature Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

*Special version in HNBR (WT -55°C + 90°C)

It provides excellent filtration for a wide range of applications. Rugged and corrosion-resistant – made of barstock AISI316L Compact small package size – light weight Panel mounting with stainless steel bracket.

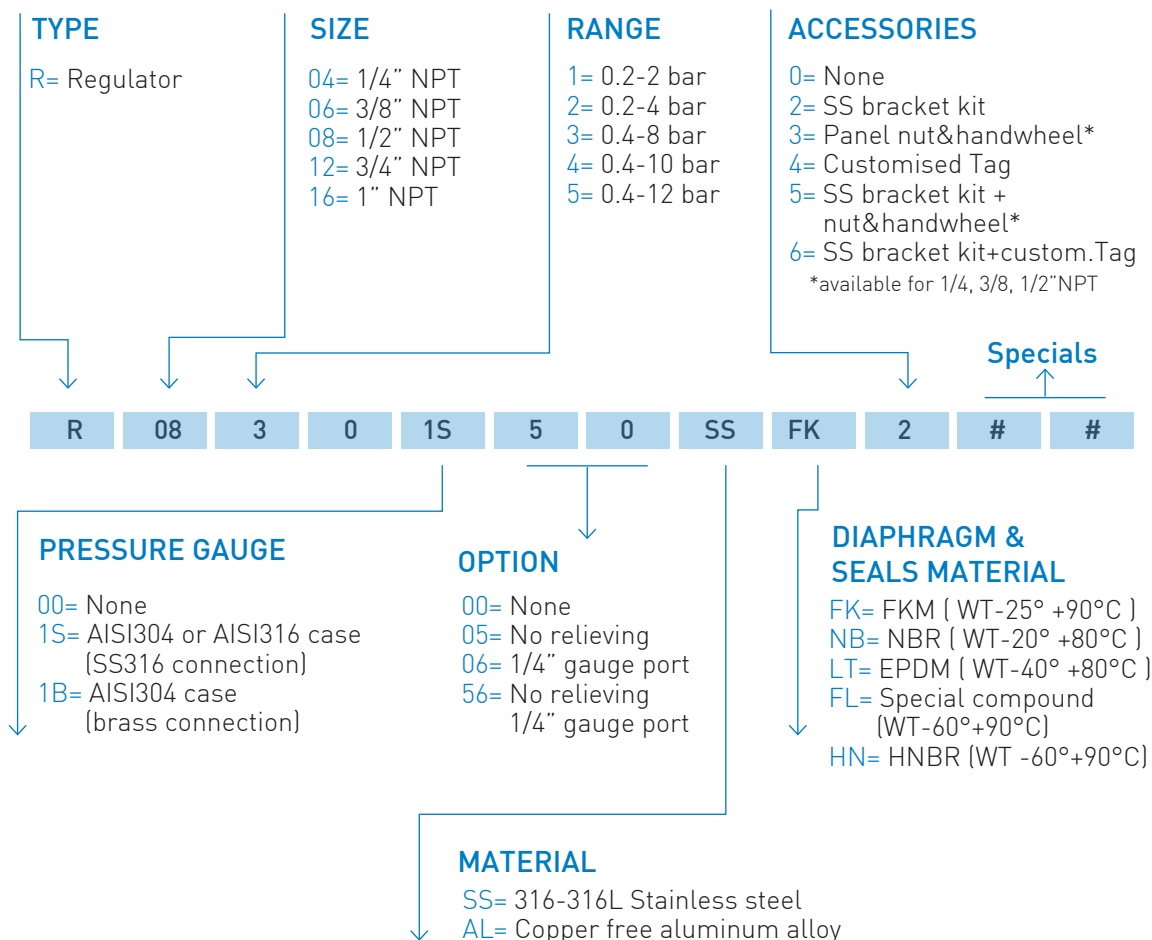
Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in AISI316L da barra Dimensioni di ingombro ridotte – Leggero Montaggio a pannello con staffa inox.

BUILDING MATERIALS	Materiali costruttivi
Body, cup & end adaptors in Stainless steel AISI316L to NACE MR0175	Corpo, tazza e flangette laterali in acciaio inossidabile AISI316L secondo NACE MR0175
Bracket, lock and panel nuts, fixing screws in 316 stainless steel	Staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile AISI316
Seals & gaskets in elastomer and vergin PTFE	Tenute e guarnizioni in elastomero e PTFE vergine
5micron filtering element in AISI316 sinterized stainless steel	Elemento filtrante da 5micron in acciaio inossidabile sinterizzato AISI316

Ordering information - Pressure regulators

Come ordinare - Regolatori di pressione

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CODE EXAMPLES

R	06	3	0	1S	0	6	SS	FK	2
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3/8"NPT, SS316, 0 to 8 bar range pressure regulator, relieving, SS pressure gauge, 1/4"NPT gauge port, ss bracket kit and FKM diaphragm & seals *Regolatore di pressione da 3/8"NPT in AISI316, range regolato 0/8 bar, manometro tutto inox, attacco manometro 1/4"NPT, relieving, staffa inox, diaframma e tenute in FKM*

R	12	1	0	00	5	0	AL	LT	0
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3/4"NPT, aluminum alloy, 0 to 2 bar range, pressure regulator, no relieving, EPDM diaphragm & seals

Filtro regolatore da 3/8"NPT in alluminio esente rame, range regolato 0/8 bar, no relieving, diaframma e tenute in EPDM

