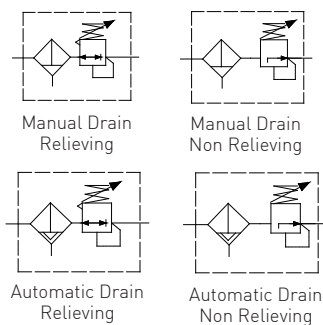


AISI316L 3/4" - 1"NPT instrument filter regulator – FR serie

Filtro regolatore da 3/4" – 1"NPT in AISI316L – serie FR

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and 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 / SIL - IEC 61508 
- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed 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 / SIL - IEC 61508 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	3/4"-1" NPT
Gauge Connection Connessione manometro	1/4"NPT (1/8"NPT option)
Filtering element Elemento filtrante	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 (@10bar inlet, 6bar regulated, delta P=1bar)/ Portata	11500dm3/min Cv=11.5
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)*
Regulated pressure Pressioni regolate	0.2/2, 0.2/4, 0.4/8, 0.4/10, 0.4/12bar

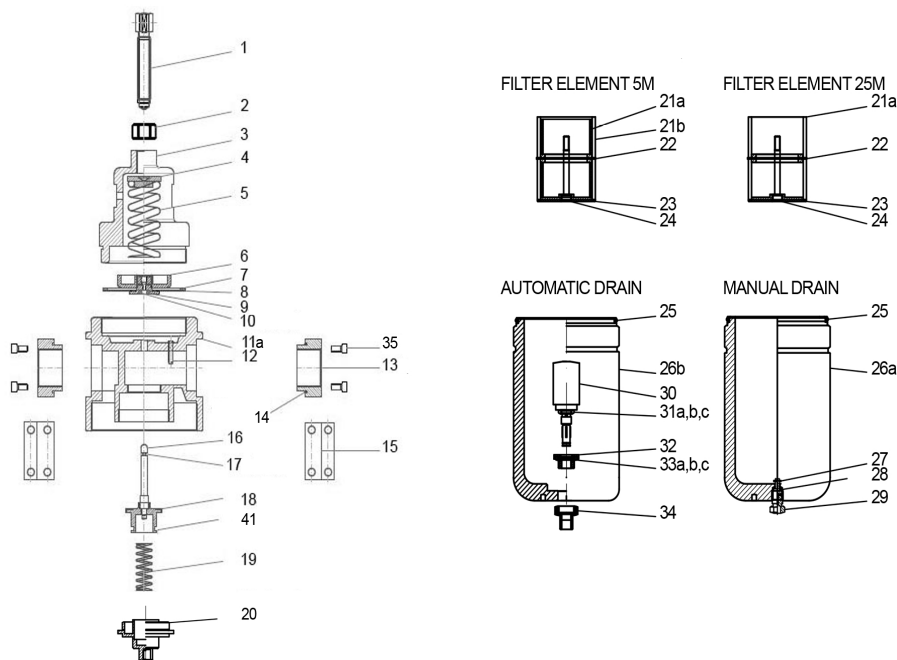
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

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

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

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in AISI 316/316L stainless steel	Corpo, coperchio, tazza in acciaio inossidabile AISI316/316L
Internals, bracket, lock and panel nuts, fixing screws in stainless steel	Vite di regolazione, staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile
5, 25 & 40 micron filtering element in AISI316 SS	Elementi filtranti da 5, 25 e 40 micron in AISI316
Diaphragm & seals in elastomer	Diaframma e guarnizioni in elastomero

Product exploded view
Esploso del prodotto

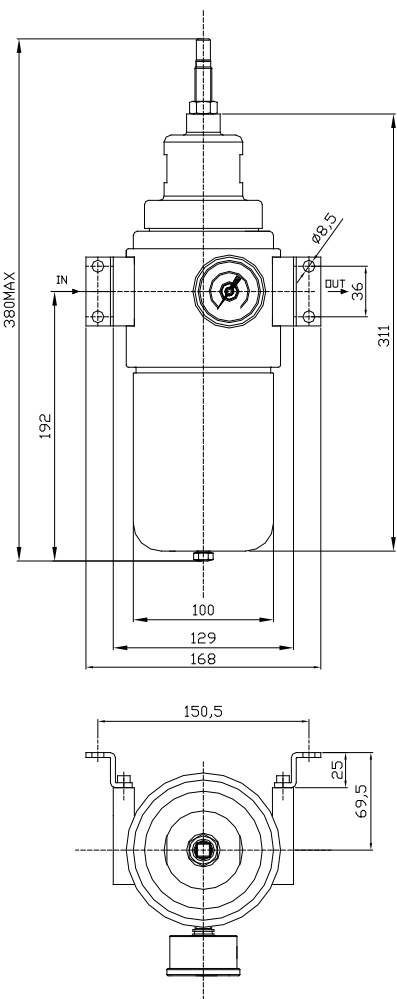


Pos.	Q.ty	Description	Descrizione
1	1	ADJUSTMENT SCREW	VITE DI REGOLAZIONE
2	1	LOCK ADJUSTMENT NUT	DADO FISSAGGIO REGOLAZIONE
3	1	BONNET	TAZZA SUPERIORE
4	1	UPPER SPRING SEAT	SEDE SUPERIORE MOLLA
5	1	ADJUSTMENT SPRING	MOLLA DI REGOLAZIONE
6	1	LOWER SPRING RESET	RESET INFERIORE MOLLA
7	1	SLIP RING	SLIP RING
8	1	DIAPHRAGM	DIAFRAMMA
9	1	VALVE SEAT	SEDE VALVOLA
10	1	O'RING (ONLY FOR RELIEVING)	O'RING (SOLO PER RELIEVING)
11a	1	BODY	CORPO
12	1	SIPHON	SIFONE
13	2	CONNECTION	TERMINALI FILETTATI
14	2	O'RING	O'RING
15	2	BRACKET	STAFFA
16	1	VALVE STEM	CORPO VALVOLA
17	1	O'RING	O'RING
18	1	VALVE	VALVOLA
19	1	VALVE SPRING	MOLLA VALVOLA
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	FONDELLO 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
35	8	SCREW M5x16 DIN 912 A2	VITI M5X16

BT-FR16SS/C22B

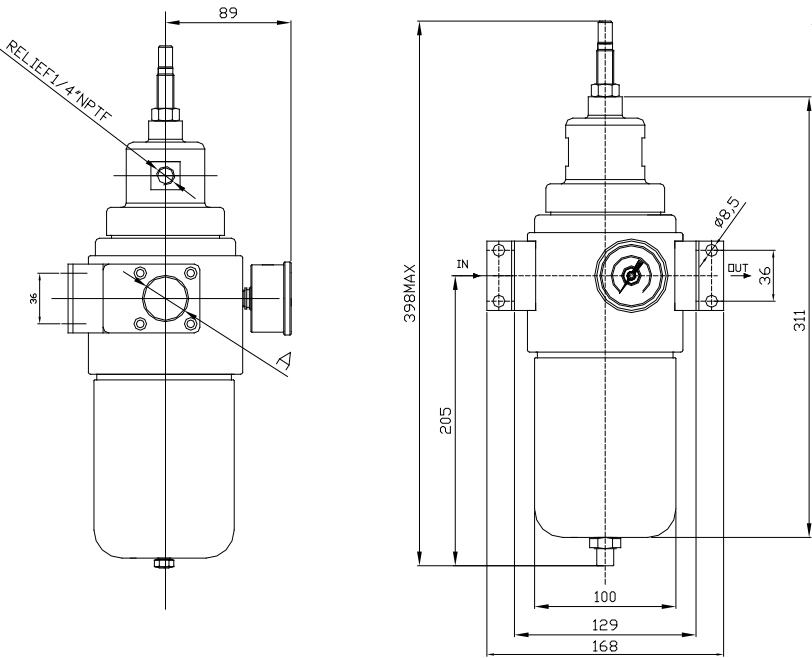
Overall dimension
Dimensioni di ingombro

Manual drain
Scarico manuale

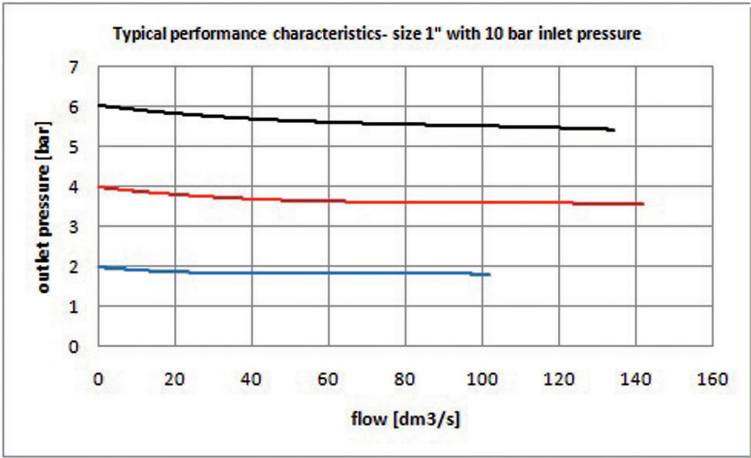


FR12 A = 3/4"
FR16 A = 1"

Automatic drain
Scarico automatico



Note for automatic drain / Nota per scarico automatico:
- max inlet pressure 16bar / massima pressione di utilizzo 16bar
- not recommended for T<2°C / non raccomandato per T<2°C



Accessories and repair kit
Accessori e ricambi

Table with 2 columns: Accessory Name and Part Number. Rows include Maintenance kit, Pressure gauge, Bracket, and Anti-tamper kit.

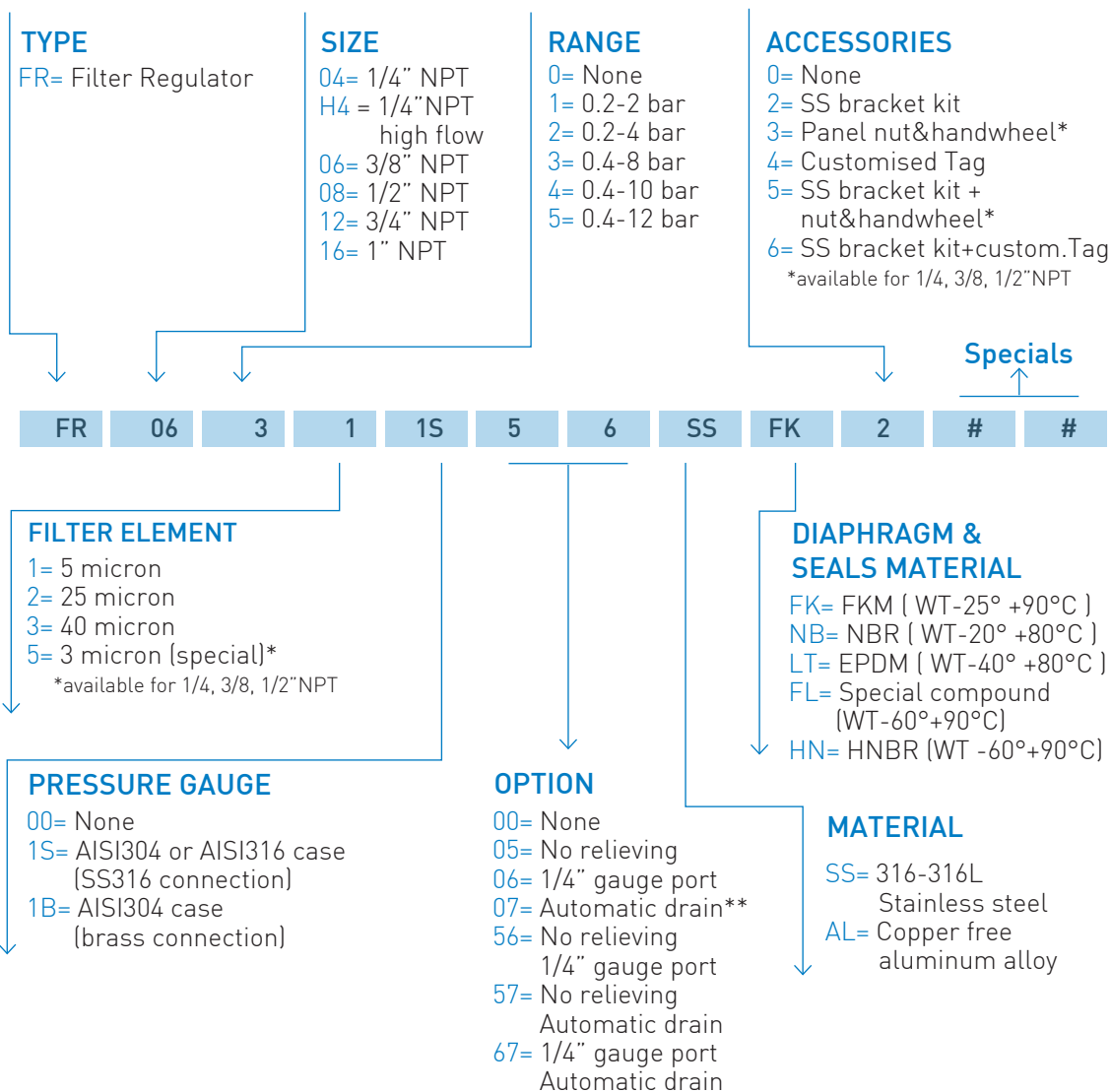
* Refers to filter element option: 1->5 micron 2->25 micron 3->40 micron 4->coalescing
** Refers to seals type: FK->FKM NB->NBR LT->EPDM FL->FVMQ HN->HNBR

BT-FR16SS/C22C

Ordering information - Filter regulators

Come ordinare - Filtri regolatori

www.sitecna.eu



CODE EXAMPLES

FR	08	3	3	1S	0	7	SS	FK	2	
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1/2" NPT, SS316, 0 to 8 bar range, filter regulator, with 40 micron filtering element, relieving, SS pressure gauge, automatic drain, ss bracket kit and FKM diaphragm & seals
 Filtro regolatore da 1/2" NPT in AISI316, range regolato 0/8 bar, elemento filtrante da 40 micron, manometro tutto inox, relieving, scarico condensa automatico, staffa inox, diaframma e tenute in FKM

FR	06	3	1	00	0	0	SS	FK	0	
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3/8" NPT, SS316, 0 to 8 bar range, filter regulator, with 5 micron filtering element, relieving and FKM diaphragm & seals

Filtro regolatore da 3/8" NPT in AISI316, range regolato 0/8 bar, elemento filtrante da 5 micron, relieving, 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).**

01-FR/23A