



TECHNICAL CATALOGUE | Filters, Regulators and Lubricators

Fluidline air preparation product range

Select the right preparation for the air system.

Stainless steel miniature and standard ranges, with specialist high-pressure, precision and high-flow regulators.



FILTERED PRODUCTS

40 micron standard. 5 micron optional.

Model-specific ordering codes, specification tables and dimensional drawings. Stainless steel and specialist aluminium-body ranges are identified separately.

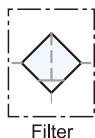
Specify: model, port and thread, pressure, flow, filtration, drain arrangement, lubrication and required certification. Confirm the configuration in the quotation.

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SSF200 | Stainless Steel Miniature Filter

Specification and ordering

■ Symbol



■ Features

1. For high pressure use, corrosion and chemical resistance.
2. Good performance in chemically working environments and outdoor facility.
3. Suitable for semi-conductor industry.
4. Effectively removes water and particle.
5. Strict quality control.
6. Light weight, compact size for space saving.
7. CE and EX-proof certified.

■ How to order

SSF200	—	02	N	C	H
Stainless Steel SUS316 Miniature	Port size	Thread	Filtration	Drain	
Miniature Filter	02 :1/4"	Blank :G N :NPT R :Rc	Blank :5µm C :40µm	Blank :Semi-auto drain H :Manual drain	



II 2G Ex h IIC T4 Gb

II 2D Ex h IIC T135°C Db

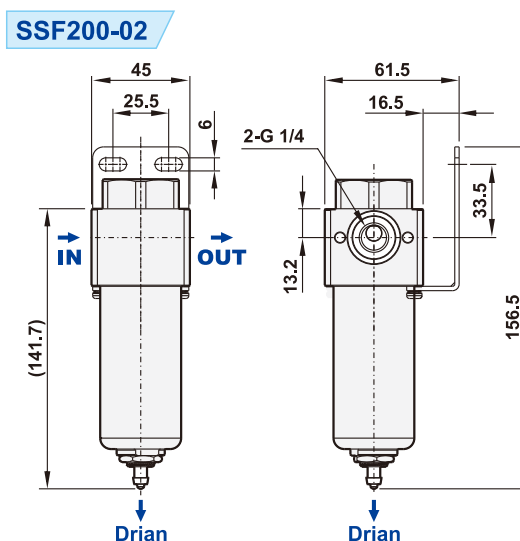
-10 °C ≤ Ta ≤ 70 °C



■ Specifications

Model	SSF200
Port size	1/4"
Fluid	Compressed air
Body material	Stainless steel SUS316
Bowl material	Stainless steel SUS316
Filter element material	Stainless steel SUS316
Filtration	40 micron standard; 5 micron optional
Operating pressure range	0.5 ~ 30 kgf/cm ²
Max. inlet pressure	30 kgf/cm ²
Max. flow rate l/min 40µm	1900
Ambient temperature	-10°C ~ 70°C
Filter bowl capacity	105cc
Proof pressure	40 kgf/cm ²
Standard drain	Semi-auto drain (Drains below 0.5kgf/cm ²)
Net weight	1260g
Accessories	Mounting bracket, Plug

■ Dimensions



Fluidline supply: 40 micron standard; 5 micron optional. Use filtration code C for 40 micron.

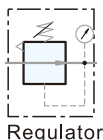


SSR100 | Stainless Steel Miniature Regulator

Specification and ordering

Regulator

Symbol



Features

1. For high pressure use, corrosion and chemical resistance.
2. Good performance in chemically working environments and outdoor facility.
3. Suitable for semi-conductor industry.
4. Accurate and sensitive pressure setting.
5. Light weight, compact size for space saving.



How to order

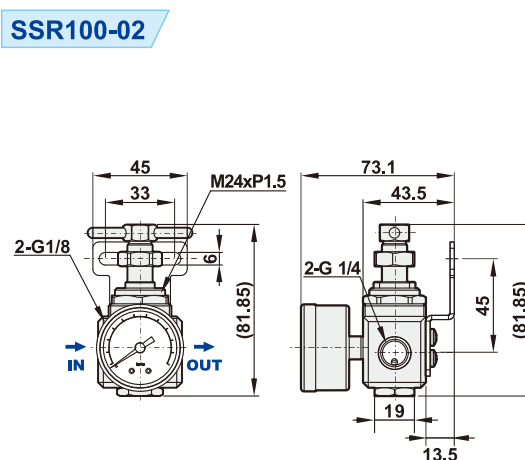
SSR100	—	02	N	V
Stainless Steel SUS316 Miniature Regulator		Port size 02 : 1/4"	Thread Blank : G N : NPT R : Rc	Function option Blank : Relief V : No-Relief

*For non-relieving type, the secondary pressure is not allowed to be exhausted when it is higher than setting pressure.

Specifications

Model	SSR100
Port size	1/4"
Fluid	Compressed air
Regulator construction	Piston
Body material	Stainless steel SUS316
Pressure gauge material	Case: Stainless steel SUS304, Thread: Stainless steel SUS316
Operating pressure range	0 ~ 20 kgf/cm ²
Max. inlet pressure	30 kgf/cm ²
Max. flow rate l/min (ANR)	1750 l/min
Ambient temperature	-10°C ~ 70°C
Proof pressure	40 kgf/cm ²
Net weight	380g
Accessories	Pressure gauge (0~10kg), Plug, Mounting bracket set
Option	Pressure gauge (0~20kg)

Dimensions



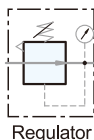
Confirm the selected model, operating conditions and options with Fluidline before ordering.



SSR200 | Stainless Steel Miniature Regulator

Specification and ordering

Symbol



Features

1. For high pressure use, corrosion and chemical resistance.
2. Good performance in chemically working environments and outdoor facility.
3. Suitable for semi-conductor industry.
4. Accurate and sensitive pressure setting.
5. Light weight, compact size for space saving.
6. CE and EX-proof certified.



II 2G Ex h IIC T4 Gb
II 2D Ex h IIC T135°C Db
-10 °C ≤ Ta ≤ 70 °C



How to order

SSR200	—	02	N
Stainless Steel SUS316 Miniature		Port size	Thread
Miniature Regulator		02 : 1/4"	Blank : G N : NPT R : Rc

Please contact our sales for non-relieving type.

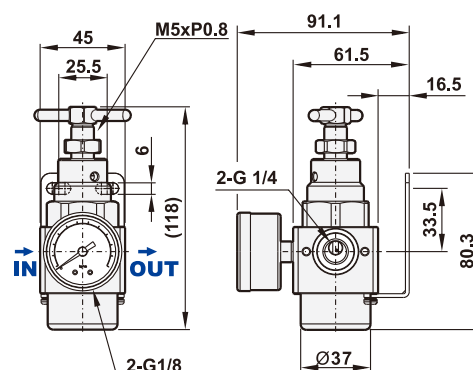
*For non-relieving type, the secondary pressure is not allowed to be exhausted when it is higher than setting pressure.

Specifications

Model	SSR200
Port size	1/4"
Fluid	Compressed air
Regulator construction	Piston
Body material	Stainless steel SUS316
Pressure gauge material	Case: Stainless steel SUS304, Thread: Stainless steel SUS316
Operating pressure range	0 ~ 20 kgf/cm ²
Max. inlet pressure	30 kgf/cm ²
Max. flow rate l/min (ANR)	1850
Ambient temperature	-10°C ~ 70°C
Proof pressure	40 kgf/cm ²
Net weight	1200g
Accessories	Pressure gauge (0~10kg), Plug, Mounting bracket set
Option	Pressure gauge (0~20kg)

Dimensions

SSR200-02



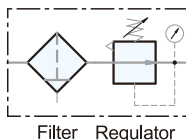
Confirm the selected model, operating conditions and options with Fluidline before ordering.



SSFR500 | Stainless Steel Miniature Filter Regulator

Specification and ordering

Symbol



Features

1. For high pressure use, corrosion and chemical resistance.
2. Good performance in chemically working environments and outdoor facility.
3. Suitable for semi-conductor industry.
4. Large flow rate and effectively removes water and particle.
5. Accurate and sensitive pressure setting.
6. Light weight, compact size for space saving.
7. CE and EX-proof certified.

How to order

SSFR500

Stainless Steel SUS316 Miniature
Miniature Filter Regulator

02

Port size
02 : 1/4"

N

Thread
Blank : G
N : NPT
R : Rc

C

Filtration
Blank : 5µm
C : 40µm

H

Drain
Blank : Semi-auto drain
H : Manual drain

Please contact our sales for non-relieving type.

*For non-relieving type, the secondary pressure is not allowed to be exhausted when it is higher than setting pressure.



II 2G Ex h IIC T4 Gb

II 2D Ex h IIC T135°C Db

-10 °C ≤ Ta ≤ 70 °C

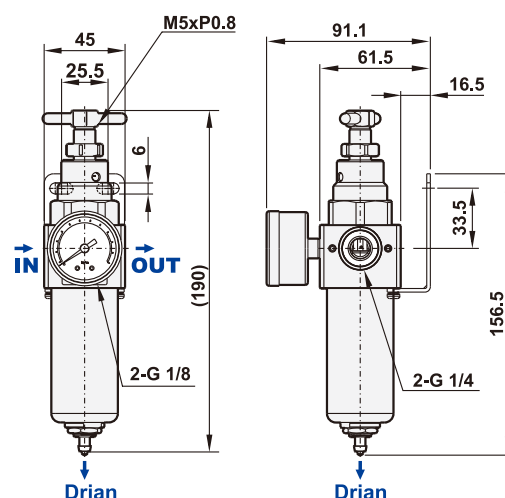


Specifications

Model	SSFR500
Port size	1/4"
Fluid	Compressed air
Regulator construction	Piston
Body material	Stainless steel SUS316
Bowl material	Stainless steel SUS316
Pressure gauge material	Case: Stainless steel SUS304, Thread: Stainless steel SUS316
Filter element material	Stainless steel SUS316
Filtration	40 micron standard; 5 micron optional
Operating pressure range	0.5 ~ 20 kgf/cm ²
Max. inlet pressure	30 kgf/cm ²
Max. flow rate l/min (ANR) 40µm	1850
Ambient temperature	-10°C ~ 70°C
Filter bowl capacity	105cc
Proof pressure	40 kgf/cm ²
Standard drain	Semi-auto drain (Drains below 0.5kgf/cm ²)
Net weight	1380g
Accessories	Pressure gauge (0~10kg), Plug, Mounting bracket set
Option	Pressure gauge (0~20kg)

Dimensions

SSFR500-02



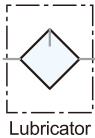
Fluidline supply: 40 micron standard; 5 micron optional. Use filtration code C for 40 micron.



SSL200 | Stainless Steel Miniature Lubricator

Specification and ordering

Symbol



Features

1. For high pressure use, corrosion and chemical resistance.
2. Good performance in chemically working environments and outdoor facility.
3. Suitable for semi-conductor industry.
4. Lubricator oil can be replenished without stopping air supply.
5. Oil spray in mist ensures good lubrication for machines.
6. Light weight, compact size for space saving.
7. CE and EX-proof certified.



II 2G Ex h IIC T4 Gb
II 2D Ex h IIC T135°C Db
-10 °C ≤ Ta ≤ 70 °C



*Lubricator oil (Recommended): ISO-VG32

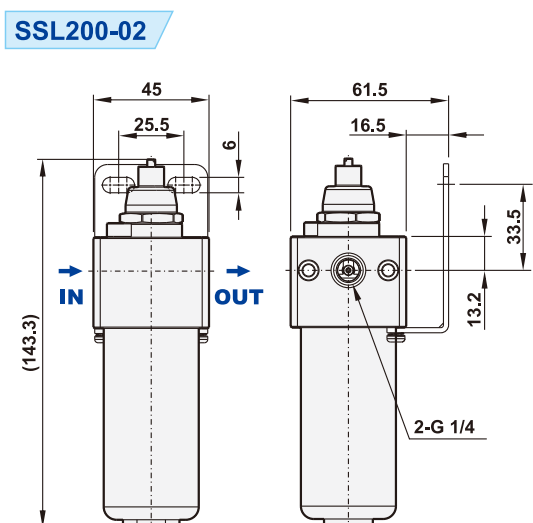
How to order

SSL200	—	02	N
Stainless Steel SUS316 Miniature		Port size	Thread
Miniature Lubricator		02 : 1/4"	Blank : G N : NPT R : Rc

Specifications

Model	SSL200
Port size	1/4"
Fluid	Compressed air
Body material	Stainless steel SUS316
Bowl material	Stainless steel SUS316
Operating pressure range	0 ~ 20 kgf/cm ²
Max. inlet pressure	20 kgf/cm ²
Max. flow rate l/min (ANR)	2500
Ambient temperature	-10°C ~ 70°C
Lubricator bowl capacity	125cc
Proof pressure	40 kgf/cm ²
Net weight	1200g
Accessories	Mounting bracket set

Dimensions



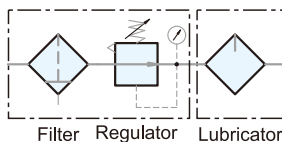
Confirm the selected model, operating conditions and options with Fluidline before ordering.



SSFRL600 | Stainless Steel Miniature FRL Combination

Specification and ordering

Symbol



Features

1. For high pressure use, corrosion and chemical resistance.
2. Good performance in chemically working environments and outdoor facility.
3. Suitable for semi-conductor industry.
4. Large flow rate and effectively removes water and particle.
5. Accurate and sensitive pressure setting.
6. Lubricator oil can be replenished without stopping air supply.
7. Oil spray in mist ensures good lubrication for machines.
8. Light weight, compact size for space saving.
9. CE and EX-proof certified.

How to order

SSFRL600	—	02	N	C	H
Stainless Steel SUS316 Miniature		Port size	Thread	Filtration	Drain
Miniature Filter Regulator + Lubricator		02 : 1/4"	Blank : G N : NPT R : Rc	Blank : 5µm C : 40µm	Blank : Semi-auto drain H : Manual drain

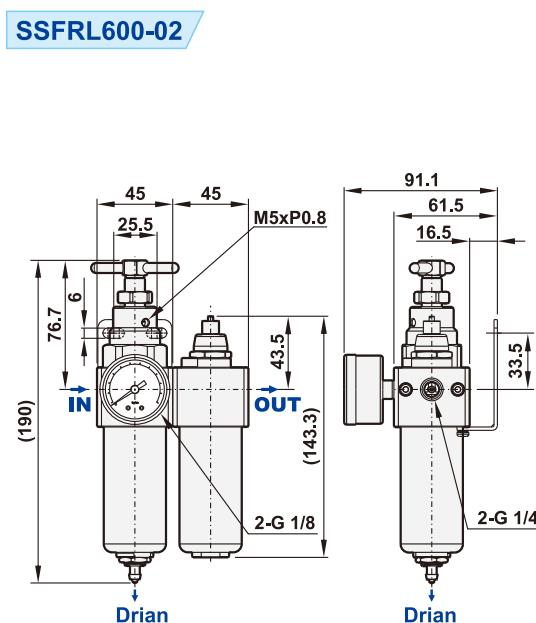
Please contact our sales for non-relieving type.

*For non-relieving type, the secondary pressure is not allowed to be exhausted when it is higher than setting pressure.

Specifications

Model	SSFRL600
Port size	1/4"
Fluid	Compressed air
Regulator construction	Piston
Body material	Stainless steel SUS316
Bowl material	Stainless steel SUS316
Pressure gauge material	Case: Stainless steel SUS304, Thread: Stainless steel SUS316
Filter element material	Stainless steel SUS316
Filtration	40 micron standard; 5 micron optional
Operating pressure range	0.5 ~ 20 kgf/cm ²
Max. inlet pressure	30 kgf/cm ²
Max. flow rate l/min (ANR) 40µm	1850
Ambient temperature	-10°C ~ 70°C
Filter bowl capacity	105cc
Lubricator bowl capacity	125cc
Proof pressure	40 kgf/cm ²
Standard drain	Semi-auto drain (Drains below 0.5kgf/cm ²)
Net weight	2660g
Accessories	Pressure gauge (0~10kg), Plug, Mounting bracket set
Option	Pressure gauge (0~20kg)

Dimensions



II 2G Ex h IIC T4 Gb

II 2D Ex h IIC T135°C Db

-10 °C ≤ Ta ≤ 70 °C



*Lubricator oil (Recommended): ISO-VG32

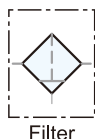
Fluidline supply: 40 micron standard; 5 micron optional. Use filtration code C for 40 micron.



USF | Stainless Steel Filter

Specification and ordering

■ Symbol



Filter

■ Features

1. For high pressure use, corrosion and chemical resistance.
2. Good performance in chemically working environments and outdoor facility.
3. Suitable for semi-conductor industry.
4. The product effectively removes water and particle.
5. Strict quality control.
6. CE and EX-proof certified.



II 2G Ex h IIC T4 Gb

II 2D Ex h IIC T135°C Db

 $-10^{\circ}\text{C} \leq T_a \leq 70^{\circ}\text{C}$ 

■ How to order

USF	B	—	02	N	C	H	W
Stainless Steel Filter	Pressure		Port size	Thread	Filtration	Drain	Bowl viewer
	Blank: 0.5~60kgf/cm ² B: 0.5~12kgf/cm ²		02 : 1/4" 03 : 3/8" 04 : 1/2" 06 : 3/4" 08 : 1"	Blank : G N : NPT R : Rc	Blank : 5µm C : 40µm	Blank : Semi-auto drain H : Manual drain D : Auto drain (Working pressure: 0.5 ~ 9.9 kgf/cm ²)	Blank : W/O viewer W : Viewer (for 3/4", 1") (See *Remark below)

*Remark: Only for USFB (0.5 ~ 12 kgf/cm²)

■ Specifications

Model	USF-02	USF-03	USF-04	USF-06	USF-08
Port size	1/4"	3/8"	1/2"	3/4"	1"
Fluid	Compressed air				
Body material	Stainless steel SUS316				
Bowl material	Stainless steel SUS316				
Filter element material	Stainless steel SUS316				
Filtration	40 micron standard; 5 micron optional				
Operating pressure range	USF: 0.5 ~ 60 kgf/cm ² , USFB: 0.5 ~ 12 kgf/cm ²				
Max. inlet pressure	60 kgf/cm ² (Bowl viewer: 15 kgf/cm ²)				
Max. flow rate I/min (ANR) 40µm	2440	2450	3030	B9600/19200	
Ambient temperature	-10°C ~ 70°C				
Filter bowl capacity	110cc			200cc	
Proof pressure	80 kgf/cm ² (Bowl viewer: 40 kgf/cm ²)				
Standard drain	Semi-auto drain (Drains below 0.5kgf/cm ²)				
Net weight	1650 g			3950 g	
Accessories	Mounting bracket set, Plug				

Fluidline supply: 40 micron standard; 5 micron optional. Use filtration code C for 40 micron.

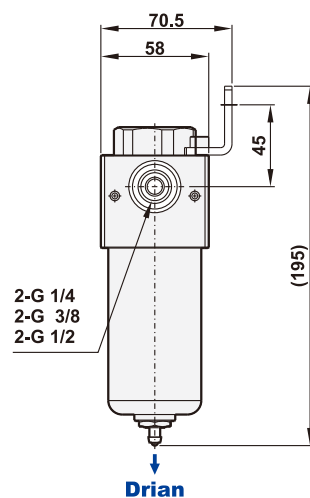
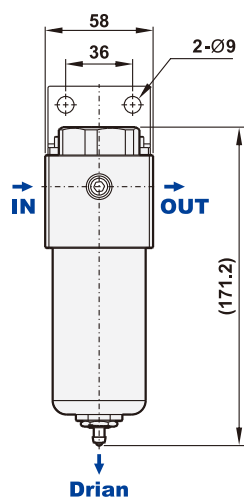


USF | Stainless Steel Filter

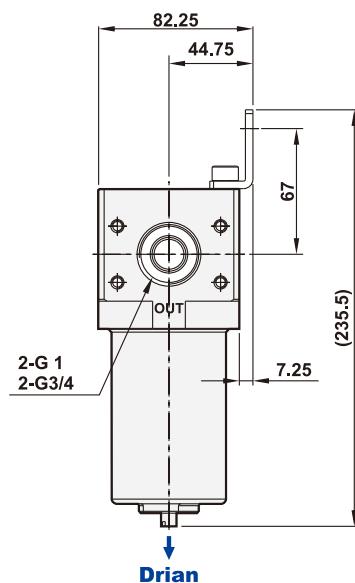
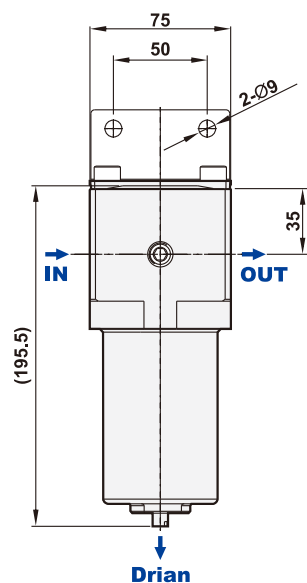
Dimensions and technical drawings

■ Dimensions

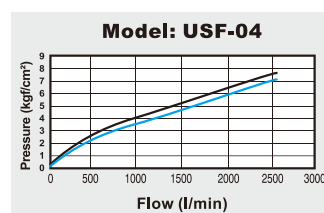
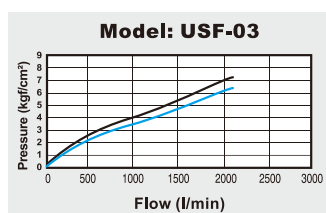
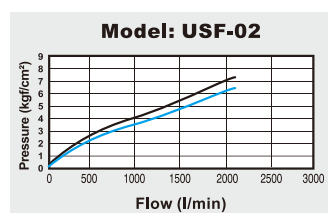
USF-02, 03, 04



USF-06, 08



■ Flow chart



Note: X axis: Flow (l/min), Y axis: Pressure (kgf/cm²), Blue line (P0) = Outlet pressure, Black line (P1) = Inlet pressure, P1-P0 = Pressure range

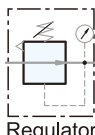
Confirm the selected model, operating conditions and options with Fluidline before ordering.



USR | Stainless Steel Regulator

Specification and ordering

Symbol



Regulator

Features

1. For high pressure use, corrosion and chemical resistance.
2. Good performance for outdoor facility.
3. Suitable for semi-conductor industry.
4. Accurate and sensitive pressure setting.
5. Strict quality control.
6. CE and ATEX certified.



II 2G Ex h IIC T4 Gb

II 2D Ex h IIC T135°C Db

-10 °C ≤ Ta ≤ 70 °C



How to order

USR	B	—	02	N
Stainless Steel Regulator	Pressure		Port size	Thread
	Blank: 0~30kgf/cm ² (for 1/4", 3/8", 1/2") 0~28kgf/cm ² (for 3/4", 1") B: 0~12kgf/cm ²		02: 1/4" 03: 3/8" 04: 1/2" 06: 3/4" 08: 1"	Blank: G N: NPT R: Rc

Please contact our sales representative for non-relieving type.
*For non-relieving type, the secondary pressure is not allowed to be exhausted when it is higher than setting pressure.

*Spring: USRB = SUS303
USR = Alloy steel

Specifications

Model	USR-02	USR-03	USR-04	USR-06	USR-08
Port size	1/4"	3/8"	1/2"	3/4"	1"
Fluid	Compressed air				
Regulator construction	Piston				
Body material	Stainless steel SUS316				
Pressure gauge material	Case: Stainless steel SUS304, Thread: Stainless steel SUS316				
Operating pressure range	USRB: 0 ~ 12 kgf/cm ² USR: 0 ~ 30 kgf/cm ²			USRB: 0 ~ 12 kgf/cm ² USR: 0 ~ 28 kgf/cm ²	
Max. inlet pressure	60 kgf/cm ²				
Max. flow rate l/min (ANR)	1950	2250	2520	B9000/18000	B9400/22000
Ambient temperature	-10°C ~ 70°C				
Proof pressure	80 kgf/cm ²				
Net weight	1400g			3400g	
Accessories	Pressure gauge (0~20kg), Plug, Mounting bracket set				
Option	Pressure gauge (0~10kg), Pressure gauge (0~30kg)				

Confirm the selected model, operating conditions and options with Fluidline before ordering.

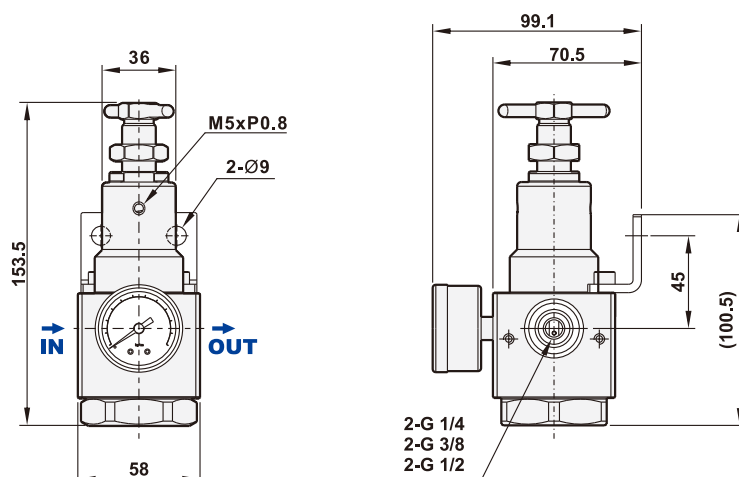


USR | Stainless Steel Regulator

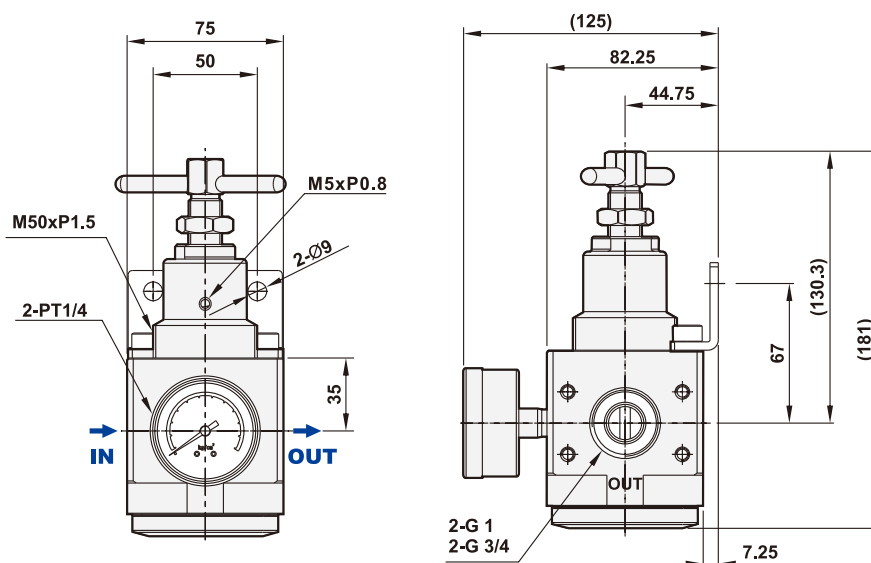
Dimensions and technical drawings

■ Dimensions

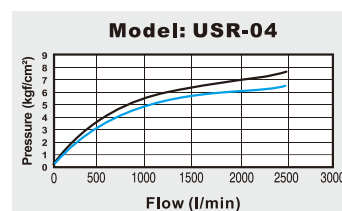
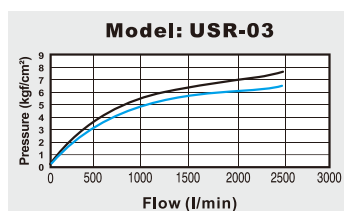
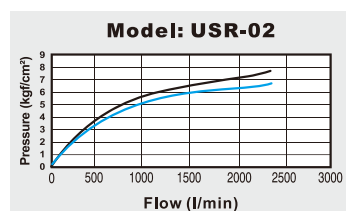
USR-02, 03, 04



USR-06, 08



■ Flow chart



Note: X axis: Flow (l/min), Y axis: Pressure (kgf/cm²), Blue line (P0) = Outlet pressure, Black line (P1) = Inlet pressure, P1-P0 = Pressure range

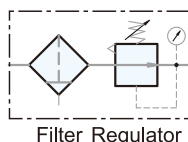
Confirm the selected model, operating conditions and options with Fluidline before ordering.



USFR | Stainless Steel Filter Regulator

Specification and ordering

Symbol



Features

1. For high pressure use, corrosion and chemical resistance.
2. Good performance for outdoor facility.
3. Suitable for semi-conductor industry.
4. The product effectively removes water and particle.
5. Accurate and sensitive pressure setting.
6. CE and ATEX certified.

How to order

USFR	B	—	02	N	C	H	W
Stainless Steel Filter Regulator	Pressure		Port size	Thread	Filtration	Drain	Bowl viewer
	Blank : 0.5~30kgf/cm ² (for 1/4", 3/8", 1/2")		02 : 1/4"	Blank : G	Blank : 5μm	Blank : Semi-auto drain	Blank : W/O viewer
	0.5~28kgf/cm ² (for 3/4", 1")		03 : 3/8"	N : NPT	C : 40μm	H : Manual drain	W : Viewer (for 3/4", 1")
	B : 0.5~12kgf/cm ²		04 : 1/2"	R : Rc		D : Auto drain (Working pressure: 0.5 ~ 9.9 kgf/cm ²)	(See *Remark below)
			06 : 3/4"				
			08 : 1"				

Please contact our sales representative for non-relieving type.
 *For non-relieving type, the secondary pressure is not allowed to be exhausted when it is higher than setting pressure.

*Remark: Only for USFRB (0.5 ~ 12 kgf/cm²).
 *Spring: USFRB = SUS303
 USFR = Alloy steel



II 2G Ex h IIC T4 Gb
 II 2D Ex h IIC T135°C Db
 -10 °C ≤ Ta ≤ 70 °C



Specifications

Model	USFR-02	USFR-03	USFR-04	USFR-06	USFR-08
Port size	1/4"	3/8"	1/2"	3/4"	1"
Fluid	Compressed air				
Regulator construction	Piston				
Body material	Stainless steel SUS316				
Bowl material	Stainless steel SUS316				
Pressure gauge material	Case: Stainless steel SUS304, Thread: Stainless steel SUS316				
Filtration	40 micron standard; 5 micron optional				
Element material	Stainless steel SUS316				
Operating pressure range	USFRB:0.5 ~ 12 kgf/cm ² USFR:0.5~ 30 kgf/cm ²			USFRB:0.5 ~ 12 kgf/cm ² USFR:0.5 ~ 28 kgf/cm ²	
Max. inlet pressure	60 kgf/cm ² (Bowl viewer: 15 kgf/cm ²)				
Max. flow rate I/min (ANR) 40μm	2200	2500	3800	B8500/17000	B8900/21000
Ambient temperature	-10℃ ~ 70℃				
Filter bowl capacity	110cc			200cc	
Proof pressure	80 kgf/cm ² (Bowl viewer: 40 kgf/cm ²)				
Standard drain	Semi-auto drain (Drains below 0.5kgf/cm ²)				
Net weight	2000g			4580g	
Accessories	Pressure gauge (0~20kg), Plug, Mounting bracket set				
Option	Pressure gauge (0~10kg), Pressure gauge (0~30kg)				

Fluidline supply: 40 micron standard; 5 micron optional. Use filtration code C for 40 micron.

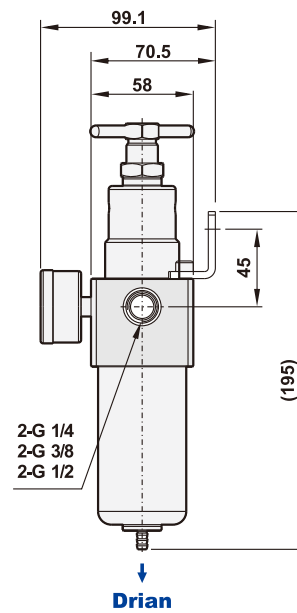
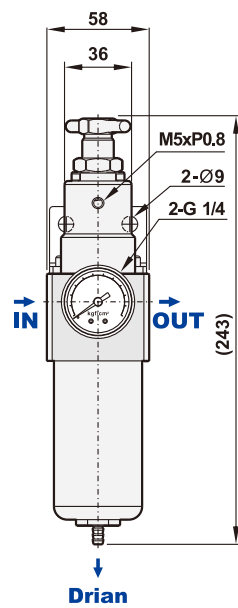


USFR | Stainless Steel Filter Regulator

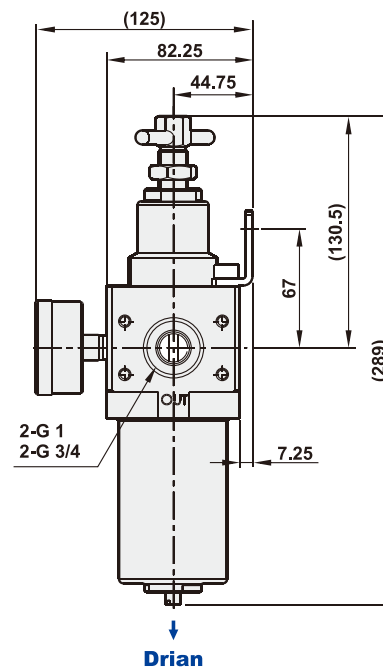
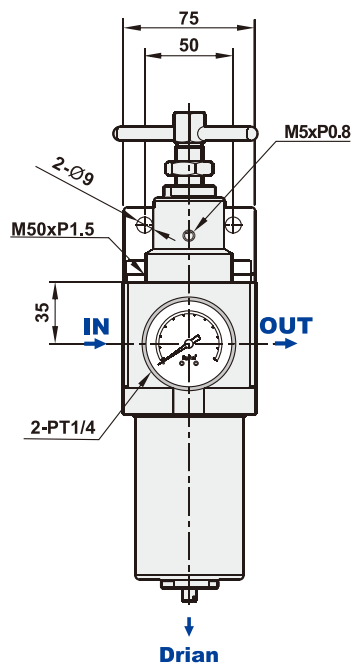
Dimensions and technical drawings

■ Dimensions

USFR-02, 03, 04



USFR-06, 08



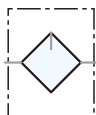
Confirm the selected model, operating conditions and options with Fluidline before ordering.



USL | Stainless Steel Lubricator

Specification and ordering

Symbol



Lubricator



II 2G Ex h IIC T4 Gb

II 2D Ex h IIC T135°C Db

-10 °C ≤ Ta ≤ 70 °C

Features

1. For high pressure use, corrosion and chemical resistance.
2. Good performance in chemically working environments and outdoor facility.
3. Lubricator oil can be replenished without stopping air supply.
4. Oil spray in mist ensures good lubrication for machines.
5. CE and EX-proof certified.



*Lubricator oil (Recommended): ISO-VG32

How to order

USL	B	—	02	N	W
Stainless Steel Lubricator	Pressure		Port size	Thread	Bowl viewer
	Blank : 0~60kgf/cm ² B : 0~12kgf/cm ²		02 : 1/4" 03 : 3/8" 04 : 1/2" 06 : 3/4" 08 : 1"	Blank : G N : NPT R : Rc	Blank : W/O viewer W : Viewer (for 3/4", 1") (See *Remark below)

*Remark: Only for USLB (0 ~ 12 kgf/cm²)

Specifications

Model	USL-02	USL-03	USL-04	USL-06	USL-08
Port size	1/4"	3/8"	1/2"	3/4"	1"
Fluid	Compressed air				
Body material	Stainless steel SUS316				
Bowl material	Stainless steel SUS316				
Operating pressure range	USL: 0 ~ 60 kgf/cm ² , USLB: 0 ~ 12 kgf/cm ²				
Lubricator bowl capacity	130cc			220cc	
Max. inlet pressure	60 kgf/cm ² (Bowl viewer: 15 kgf/cm ²)				
Max. flow rate l/min (ANR)	2500	2525	4100	B13200/26400	
Ambient temperature	-10°C ~ 70°C				
Proof pressure	80 kgf/cm ² (Bowl viewer: 40 kgf/cm ²)				
Net weight	1750g			3360g	
Accessories	Mounting bracket set				

Confirm the selected model, operating conditions and options with Fluidline before ordering.

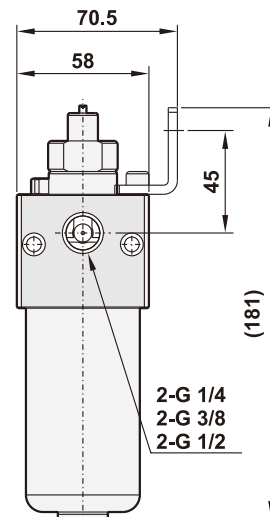
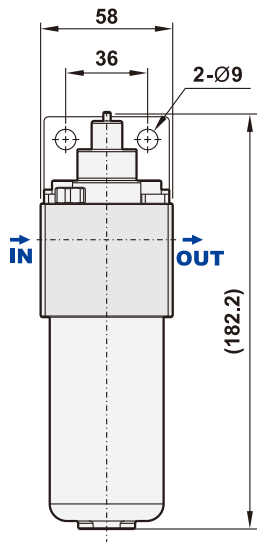


USL | Stainless Steel Lubricator

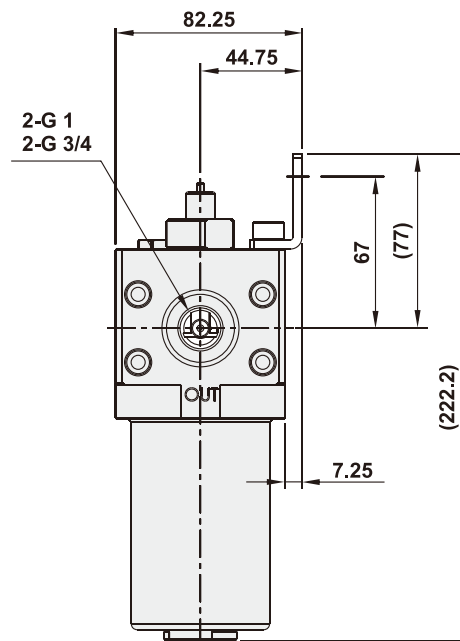
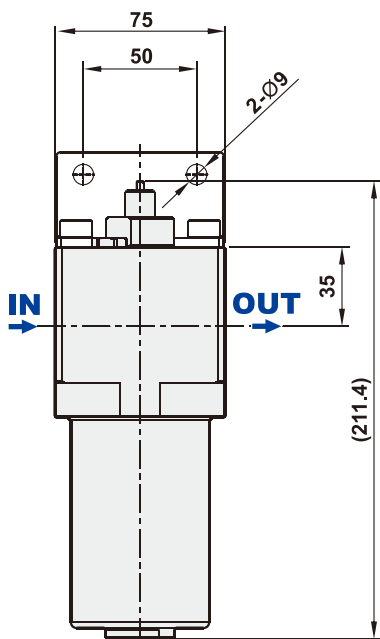
Dimensions and technical drawings

■ Dimensions

USL-02, 03, 04



USL-06, 08



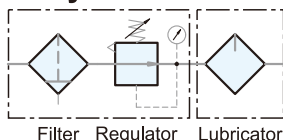
Confirm the selected model, operating conditions and options with Fluidline before ordering.



USFR-L | Stainless Steel Filter Regulator + Lubricator

Specification and ordering

Symbol



Features

1. For high pressure use, corrosion and chemical resistance.
2. Good performance for outdoor facility.
3. Suitable for semi-conductor industry.
4. Large flow rate and effectively removes water and particle.
5. Accurate and sensitive pressure setting.
6. Lubricator oil can be replenished without stopping air supply.
7. Oil spray in mist ensures good lubrication for machines.
8. CE and ATEX certified.

How to order

USFR/L	B	—	02	N	C	H	W
Stainless Steel F.R.L Combination	Pressure		Port size	Thread	Filtration	Drain	Bowl viewer
	Blank: 0.5~30kgf/cm ² (for 1/4", 3/8", 1/2")		02 : 1/4"	Blank : G	Blank : 5µm	Blank : Semi-auto drain	Blank : W/O viewer
	0.5~28kgf/cm ² (for 3/4", 1")		03 : 3/8"	N : NPT	C : 40µm	H : Manual drain	W : Viewer (for 3/4", 1")
	B : 0.5~12kgf/cm ²		04 : 1/2"	R : Rc		D : Auto drain (Working pressure: 0.5 ~ 9.9 kgf/cm ²)	(See *Remark below)
			06 : 3/4"				
			08 : 1"				

Please contact our sales representative for non-relieving type.

*For non-relieving type, the secondary pressure is not allowed to be exhausted when it is higher than setting pressure.

*Remark: Only for USFR/LB (0.5 ~ 12 kgf/cm²).*Spring: USFR/LB = SUS303
USFR/L = Alloy steel

Specifications

Model	USFR/L-02	USFR/L-03	USFR/L-04	USFR/L-06	USFR/L-08
Port size	1/4"	3/8"	1/2"	3/4"	1"
Fluid	Compressed air				
Regulator construction	Piston				
Body material	Stainless steel SUS316				
Bowl material	Stainless steel SUS316				
Pressure gauge material	Case: Stainless steel SUS304, Thread: Stainless steel SUS316				
Filtration	40 micron standard; 5 micron optional				
Element material	Stainless steel SUS316				
Operating pressure range	USFR/LB:0.5 ~ 12 kgf/cm ² USFR/L:0.5 ~ 30 kgf/cm ²			USFR/LB:0.5 ~ 12 kgf/cm ² USFR/L:0.5 ~ 28 kgf/cm ²	
Max. inlet pressure	60 kgf/cm ² (Bowl viewer: 15 kgf/cm ²)				
Max. flow rate l/min (ANR) 40μm	2080	2200	2500	B7600/15200	B8000/15200
Ambient temperature	-10°C ~ 70°C				
Filter bowl capacity	110cc			200cc	
Lubricator bowl capacity	130cc			220cc	
Proof pressure	80 kgf/cm ² (Bowl viewer: 40 kgf/cm ²)				
Standard drain	Semi-auto drain (Drains below 0.5kgf/cm ²)				
Net weight	3800g	3870g	3840g	7960g	
Accessories	Pressure gauge (0~20kg), Plug, Mounting bracket set				
Option	Pressure gauge (0~10kg), Pressure gauge (0~30kg)				

Fluidline supply: 40 micron standard; 5 micron optional. Use filtration code C for 40 micron.

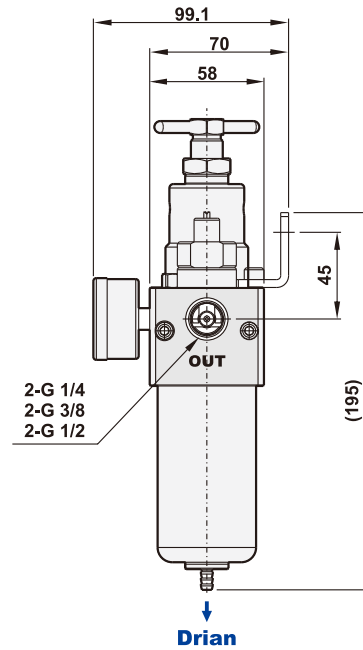
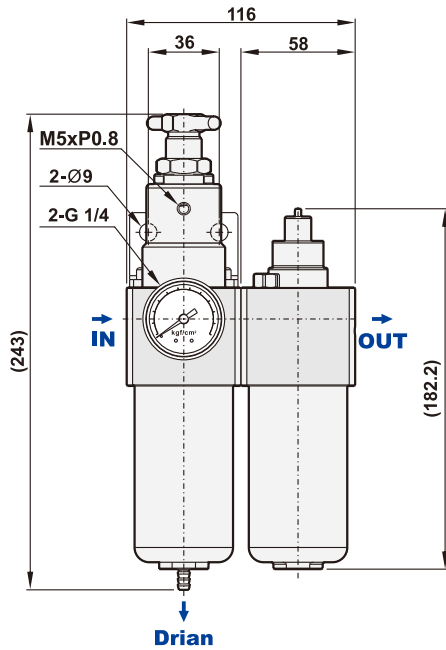


USFR-L | Stainless Steel Filter Regulator + Lubricator

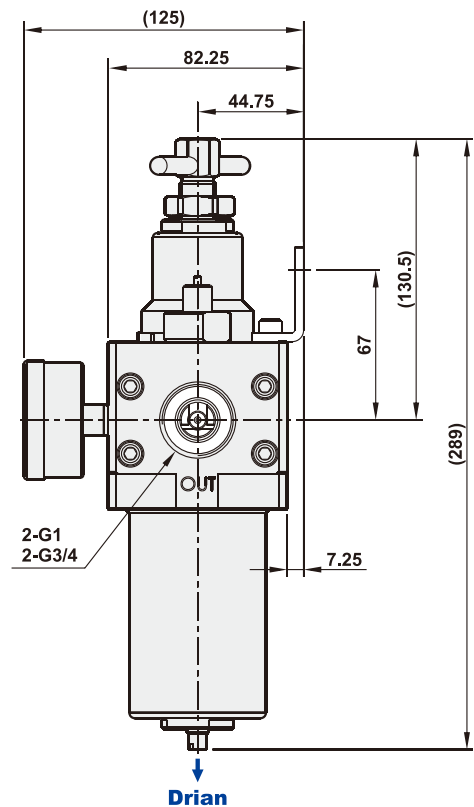
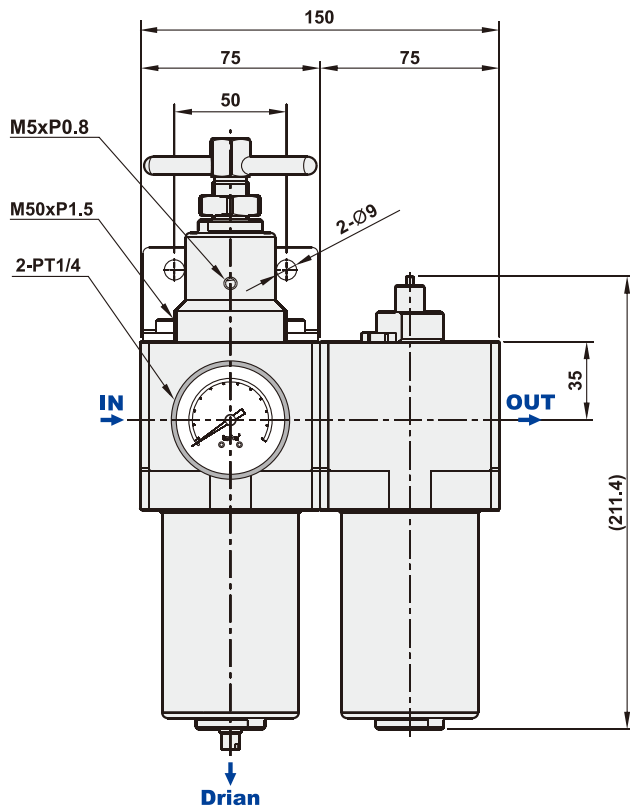
Dimensions and technical drawings

■ Dimensions

USFR/L-02, 03, 04



USFR/L-06, 08



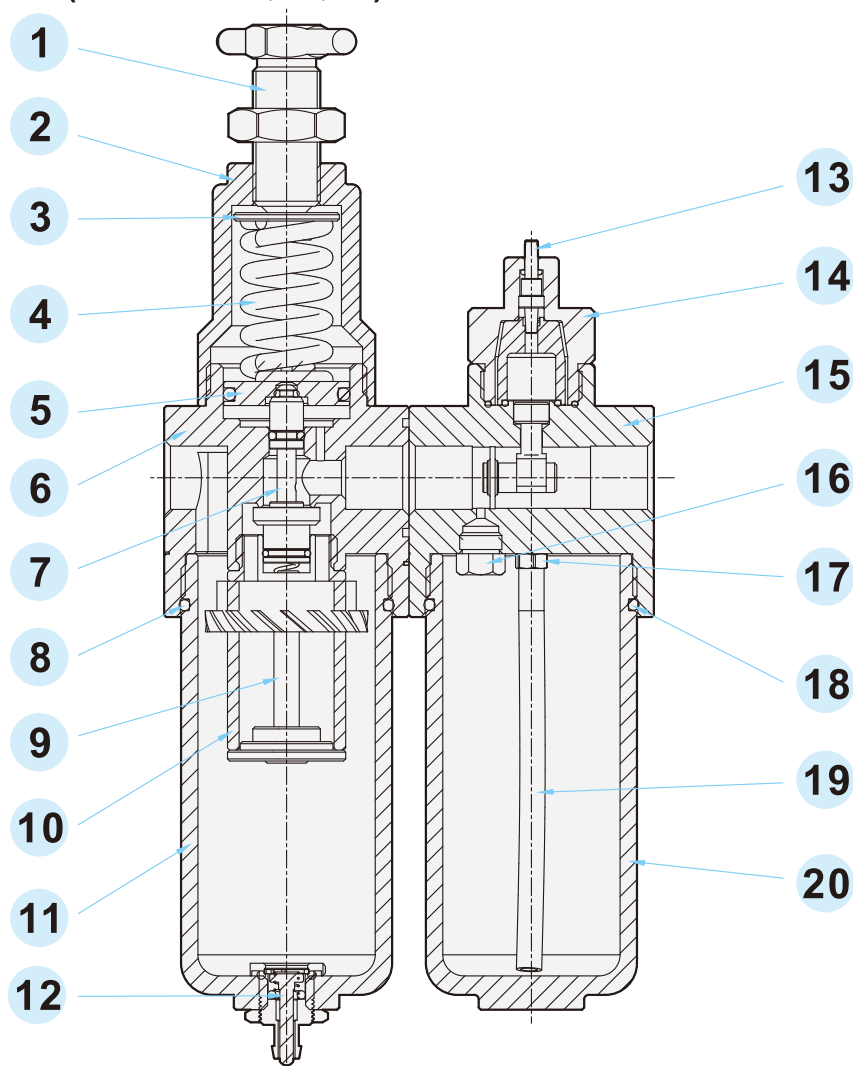
Confirm the selected model, operating conditions and options with Fluidline before ordering.



USFR-L | Stainless Steel Filter Regulator + Lubricator

Construction and component materials

■ Construction (USFR/L-02,03,04)



NO.	Description	Material
1	Pressure regulating screw	SUS316
2	Regulator base	SUS316
3	Disc gasket	SUS303
4	Spring	USFR/LB:SUS303 USFR/L:Alloy steel
5	Piston	SUS303
6	Regulator body	SUS316
7	Pressure regulating needle	SUS303
8	O-ring	VITON
9	Filter element holder	SUS303
10	Filter element	SUS316

NO.	Description	Material
11	Filter bowl	SUS316
12	Drain	SUS303
13	Oil adjusting screw	SUS316
14	Screw cover	SUS316
15	Lubricator body	SUS316
16	Plug	SUS316
17	Oil pipe fitting	SUS316
18	O-ring	VITON
19	Oil pipe	PU
20	Lubricator bowl	SUS316

Confirm the selected model, operating conditions and options with Fluidline before ordering.

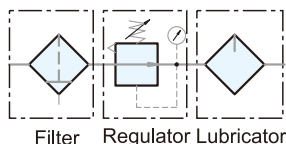


USFRL | Stainless Steel Three-Piece FRL Combination

Specification and ordering

icator

Symbol



Features

1. For high pressure use, corrosion and chemical resistance.
2. Good performance for outdoor facility.
3. Suitable for semi-conductor industry.
4. The product effectively removes water and particle.
5. Accurate and sensitive pressure setting.
6. Lubricator oil can be replenished without stopping air supply.
7. Oil spray in mist ensures good lubrication for machines.
8. CE and ATEX certified.



II 2G Ex h IIC T4 Gb
II 2D Ex h IIC T135°C Db
-10 °C ≤ Ta ≤ 70 °C



*Lubricator oil (Recommended): ISO-VG32

How to order

USFRL	B	—	06	N	C	H	W
Stainless Steel F.R.L Combination	Pressure		Port size	Thread	Filtration	Drain	Bowl viewer
	Blank: 0.5~28kgf/cm ² B: 0.5~12kgf/cm ²		06 : 3/4" 08 : 1"	Blank : G N : NPT R : Rc	Blank : 5µm C : 40µm	Blank : Semi-auto drain H : Manual drain D : Auto drain (Working pressure: 0.5 ~ 9.9 kgf/cm ²)	Blank : W/O viewer W : Viewer (See *Remark below)

Please contact our sales representative for non-relieving type.

*For non-relieving type, the secondary pressure is not allowed to be exhausted when it is higher than setting pressure.

*Remark: Only for USFRLB (0.5 ~ 12 kgf/cm²).

*Spring: USFRLB = SUS303
USFRL = Alloy steel

Specifications

Model	USFRL-06	USFRL-08
Port size	3/4"	1"
Fluid	Compressed air	
Regulator construction	Piston	
Body material	Stainless steel SUS316	
Bowl material	Stainless steel SUS316	
Pressure gauge material	Case: Stainless steel SUS304, Thread: Stainless steel SUS316	
Filtration	40 micron standard; 5 micron optional	
Element material	Stainless steel SUS316	
Operating pressure range	USFRLB: 0.5 ~ 12 kgf/cm ² , USFRL: 0.5 ~ 28 kgf/cm ²	
Max. inlet pressure	60 kgf/cm ² (Bowl viewer: 15 kgf/cm ²)	
Max. flow rate l/min (ANR) 40µm	B7600/15200	B8000/15600
Ambient temperature	-10°C ~ 70°C	
Filter bowl capacity	200cc	
Lubricator bowl capacity	220cc	
Proof pressure	80 kgf/cm ² (Bowl viewer: 40 kgf/cm ²)	
Standard drain	Semi-auto drain (Drains below 0.5kgf/cm ²)	
Net weight	10340g	
Accessories	Pressure gauge (0~20kg), Plug, Mounting bracket set	
Option	Pressure gauge (0~10kg), Pressure gauge (0~30kg)	

Fluidline supply: 40 micron standard; 5 micron optional. Use filtration code C for 40 micron.

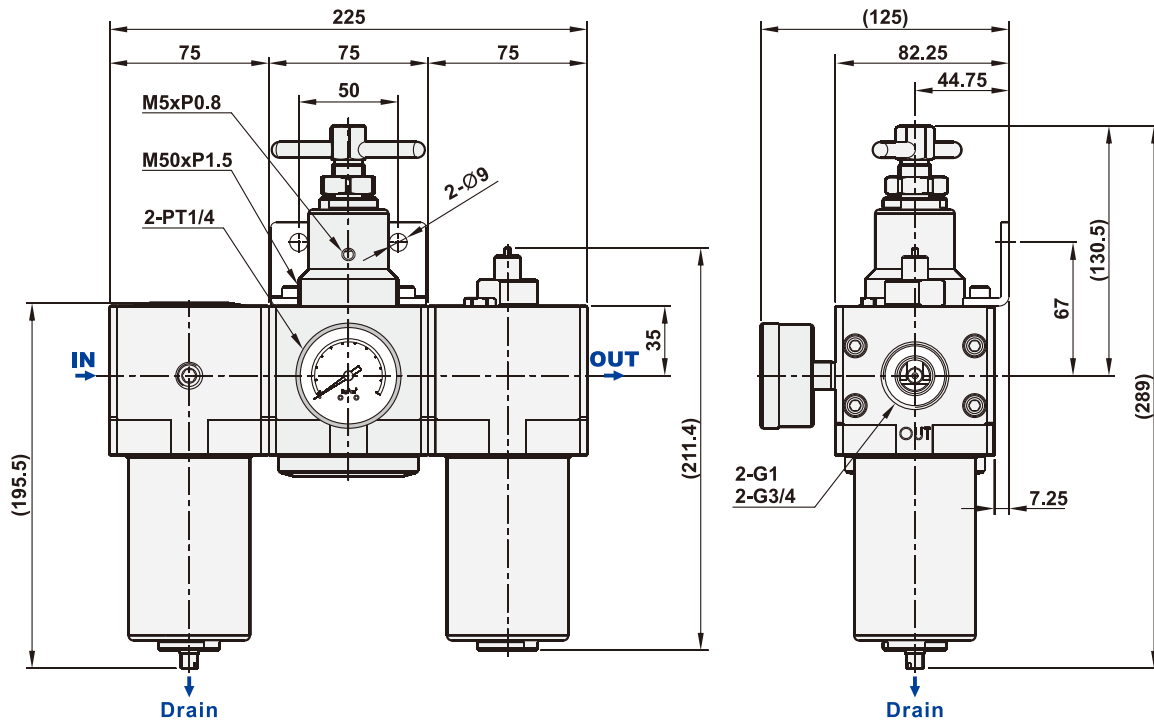


USFRL | Stainless Steel Three-Piece FRL Combination

Dimensions and technical drawings

■ Dimensions

USFRL-06, 08



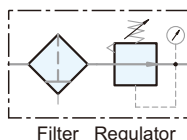
Confirm the selected model, operating conditions and options with Fluidline before ordering.



UHFR | High-Pressure Filter Regulator

Specification and ordering

Symbol



Features

1. Operating pressure range 0.5 ~ 20 kgf/cm².
2. Accurate and easy pressure setting.
3. Stainless steel pressure gauge filled oil as standard accessory for more stable pressure indication.
4. Remove water and particle effectively.
5. 40µm and 5µm filter element are easily interchangeable and replaceable.



How to order

UHFR	—	02	N	V	S	H	B12
High Pressure Filter Regulator		Port size	Thread	Function option	Filtration	Drain	Mounting bracket
		02 :1/4"	Blank :G	Blank :Relief	S :5µm	Blank :Semi-auto drain	Blank :W/I mounting bracket
		03 :3/8"	N :NPT	V :No-Relief	T :40µm	H :Manual drain	B12 :W/I panel nut
		04 :1/2"					B14 :W/I panel nut + L type bracket

*For non-relieving type, the secondary pressure is not allowed to be exhausted when it is higher than setting pressure.

Specifications

Model	UHFR-02	UHFR-03	UHFR-04
Port size	1/4"	3/8"	1/2"
Fluid	Compressed air		
Regulator construction	Piston		
Body material	Aluminum die-cast		
Bowl material	Aluminum bowl		
Filtration	Sintered brass: 40 micron standard; 5 micron optional		
Operating pressure range	0.5 ~ 20 kgf/cm ²		
Max. inlet pressure	20 kgf/cm ²		
Max. flow rate l/min (ANR) 40µm	2800		
Ambient temperature	-10°C ~ 60°C		
Filter bowl capacity	105cc		
Standard drain	Semi-auto drain (Drains below 0.5kgf/cm ²)		
Net weight	1110g		
Accessories	Pressure gauge(KUX0000046), Mounting bracket set, Plug		
Option	Panel nut, L type bracket		

Fluidline supply: 40 micron standard; 5 micron optional. Use filtration code T for 40 micron.

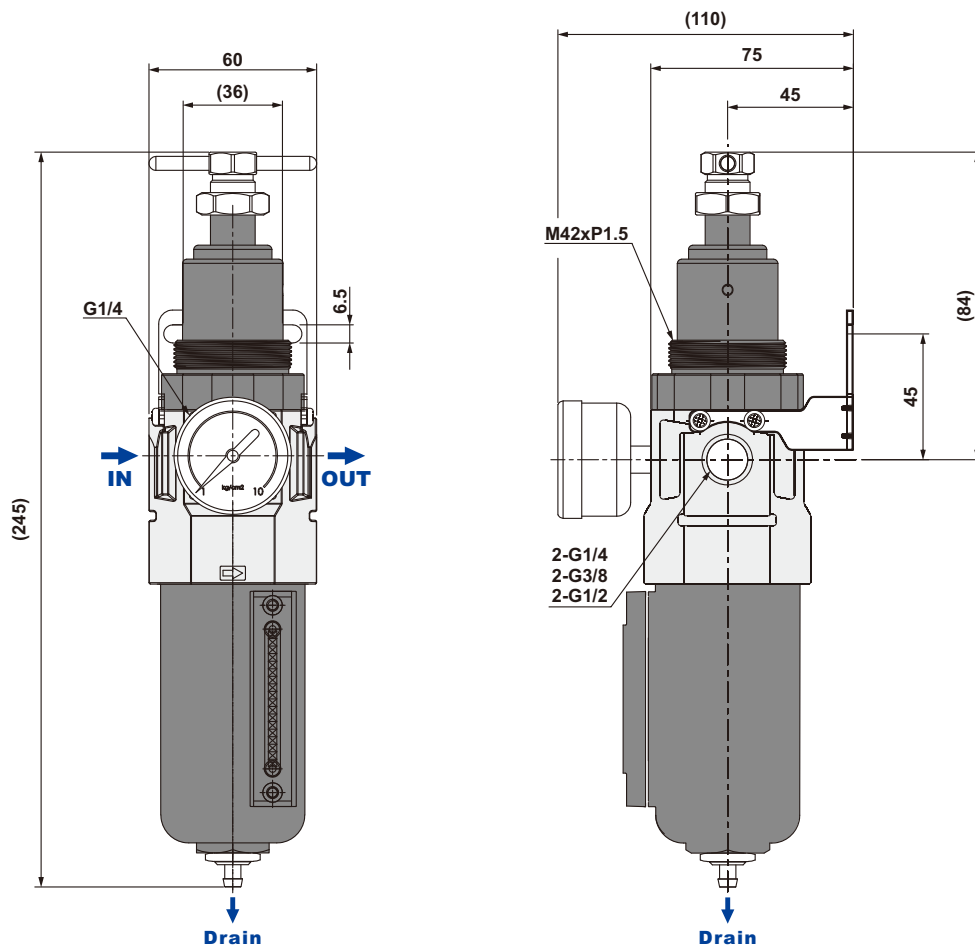


UHFR | High-Pressure Filter Regulator

Dimensions and technical drawings

■ Dimensions

UHFR-02, 03, 04



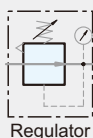
Confirm the selected model, operating conditions and options with Fluidline before ordering.



URP | Precision Regulator

Specification and ordering

Symbol



Features

- * Constant and stable fluid pressure control, smallest influence for outlet pressure while inlet pressure is unstable.
- * Precision pressure setting, sensitivity within $\pm 0.5\%$ F.S.
- * Suitable for high precision tension control, balanced air pressure application.

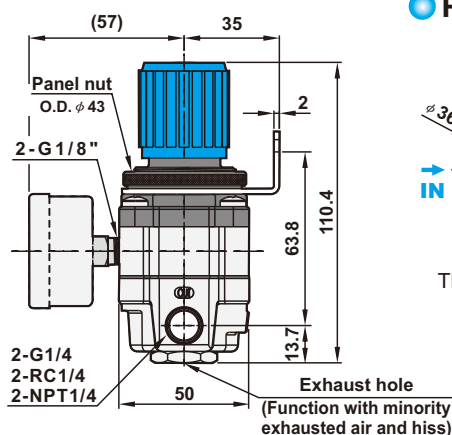
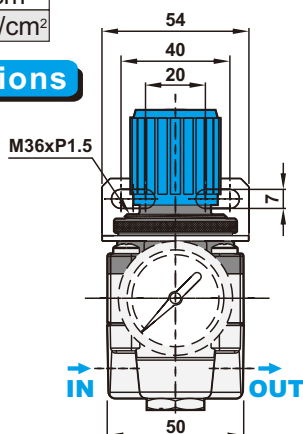


How to order

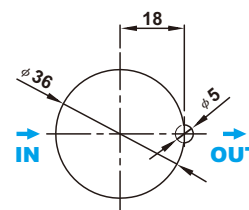
URP		02	N
Precision regulator		Port size	Thread
URP	0.1~8 kgf/cm ²	02	1/4"
URPL4	0.1~4 kgf/cm ²		
URPL2	0.05~2 kgf/cm ²		

Note: Please install filter UF series upstream to prevent from damage of water or dirt, so as for longer life of the pneumatic unit.

Dimensions



Panel Bore Size



Thickness: Max. 3.5

Specifications

Model	URP-02	URPL4-02	URPL2-02
Port size	1/4"		
Fluid	Compressed air		
Regulator construction	Diaphragm		
Body material	Aluminum die-cast		
Operating pressure range	0.1~8 kgf/cm ²	0.1~4 kgf/cm ²	0.05~2 kgf/cm ²
Proof pressure	10 kgf/cm ²		
Sensitivity	0.2% (F.S.)		
Repeatability (switch output)	$\pm 0.5\%$ (F.S.)		
Ambient temperature	-5°C ~ 60°C		
Standard color of regulating knob	Blue	Orange	Yellow
Net weight	345g (Exclusive of pressure gauge, mounting bracket)		
Accessories	Plug, Panel mounting nut		
Accessories (option)	Mounting bracket, pressure gauge (Please refer to P1-64 for selection)		

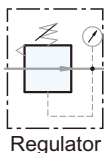
Confirm the selected model, operating conditions and options with Fluidline before ordering.



UR-UAR | High-Flow Mainline / Pilot Regulators

Specification and ordering

Symbol



Features

1. Large flow rate (Max. 30000 l/min)
2. Aluminum alloy body, light weight.
3. Pilot regulator is available for remote control.

UAR



UR



How to order

UR	—	14	N
Regulator		Port size	Thread
UR :Regulator		14 :1 1/2"	Blank :G
UAR :Pilot regulator		20 :2"	N:NPT R:Rc

Please contact our sales for non-relieving type.

*For non-relieving type, the secondary pressure is not allowed to be exhausted when it is higher than setting pressure.

Specifications

Model	UR-14	UR-20	UAR-14	UAR-20
Port size	1 1/2"	2"	1 1/2"	2"
Fluid	Compressed air			
Regulator construction	Piston			
Operating pressure range	0 ~ 8 kgf/cm ²			
Max. inlet pressure	15 kgf/cm ²			
Max. flow rate l/min (ANR)	30000 l/min (input 7 kgf/cm ² output 6 kgf/cm ²)			
Ambient temperature	-10°C ~ 60°C			
Net weight	2.8 kg	2.5 kg	2.2 kg	2.0 kg
Accessories	Pressure gauge, plug			

Confirm the selected model, operating conditions and options with Fluidline before ordering.

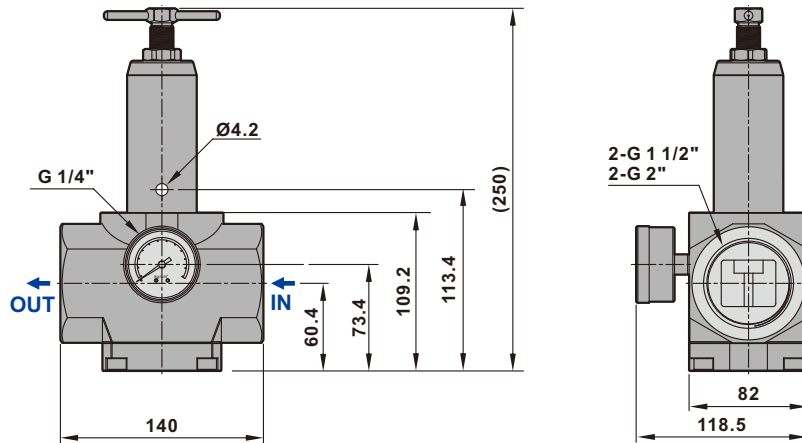


UR-UAR | High-Flow Mainline / Pilot Regulators

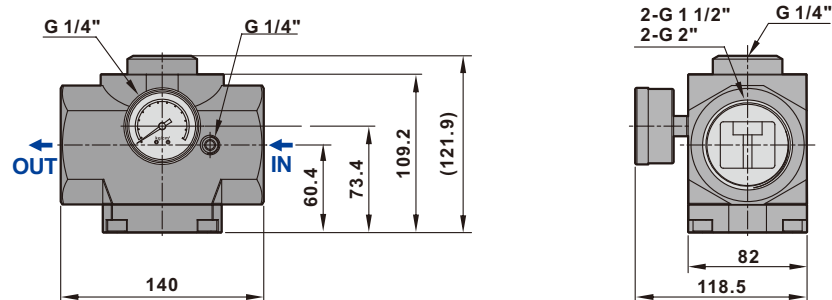
Dimensions and technical drawings

■ Dimensions

UR-14, 20

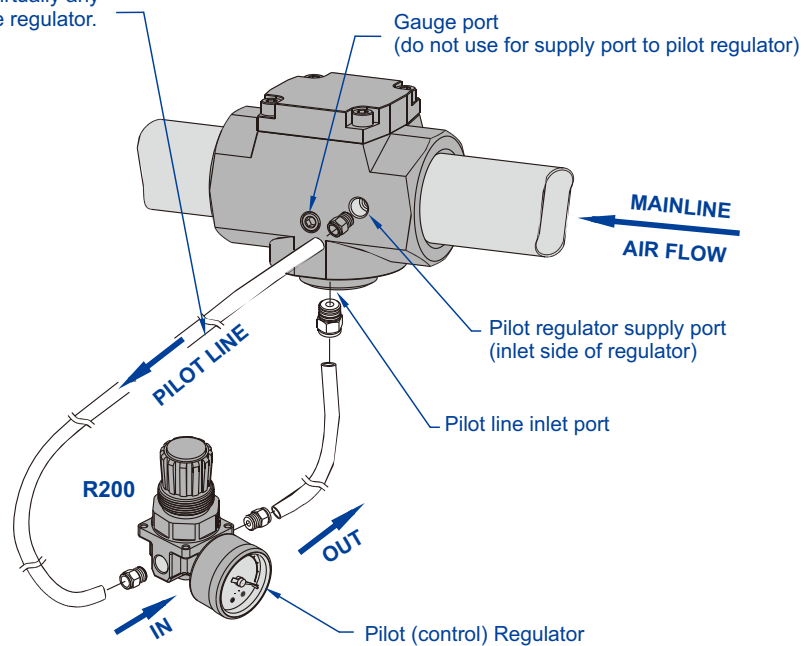


UAR-14, 20



Installation

These lines can be virtually any distance from remote regulator.



Confirm the selected model, operating conditions and options with Fluidline before ordering.