

STAINLESS STEEL

modular units



Find out our
key products



Solution for most applications



Easy and intuitive choice



Excellent value for money



Wide availability



Fast delivery



Main features and certifications

Stainless Steel AISI 316 modular units for air treatment. Characterised by resistance to chemical and corrosive elements, are also suitable for high pressure, thus fit to food&beverage, medical, chemical, Oil&Gas and mining applications. Available in different sizes, these modular units are light and with reduced overall dimensions, effective in removing water and particles, with the possibility of accurate and sensitive pressure adjustment, can guarantee excellent performances in both chemical and outdoor environments. Supplied with material qualification according to NACE MR0175 / UNI EN ISO 15156-1:2009 standards, conforming to Reach and RoHS directive, SIL certified and in compliance with 201/34/EU ATEX Directive, classification Ex h.



Stainless Steel Filters series A..FX, 1/4" ÷ 1"

from page 5.202.20



Stainless Steel modular filters, available in sizes 1/4", 1/2" and 1". Equipped as standard with 5µm filter cartridge (40µm as option) and semi-automatic condense drain (manual or automatic drain as option). Supplied complete with stainless steel mounting bracket.



Stainless Steel Regulators A..RX, 1/4" ÷ 1"

from page 5.202.50



Stainless Steel modular regulators, available in sizes 1/4", 1/2" and 1". Equipped as standard with relieving valve and regulation screw. Supplied complete with stainless steel mounting bracket and stainless steel pressure-gauge.



Stainless Steel Lubricators series A..LX, 1/4" ÷ 1"

from page 5.202.80



Stainless Steel modular lubricators, available in sizes 1/4", 1/2" and 1". Equipped as standard with oil regulation cup. Lubricant can be added without stopping the air supply. Supplied complete with stainless steel mounting bracket.



Stainless Steel Filter-regulators A..FRRX, 1/4" ÷ 1"

from page 5.202.110



Stainless Steel modular filter-regulators, available in sizes 1/4", 1/2" and 1". Equipped as standard with 5µm filter cartridge (40µm as option), semi-automatic condense drain (manual or automatic drain as option), relieving valve and regulation screw. Supplied complete with stainless steel mounting bracket and stainless steel pressure-gauge.

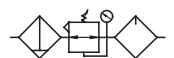


Stainless Steel Filter-regulators + lubricators series A..FRRLX, 1/4" ÷ 1"

from page 5.202.140



Stainless Steel modular filter-regulators, available in sizes 1/4", 1/2" and 1". Equipped as standard with 5µm filter cartridge (40µm as option), semi-automatic condense drain (manual or automatic drain as option), oil regulation cup, relieving valve and regulation screw. Lubricant can be added without stopping the air supply. Supplied already assembled and complete with stainless steel mounting bracket and stainless steel pressure-gauge.



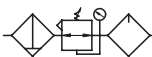
Options

Description		Symbol	Suffix
High pressure (out). Only for size 1/2" and 1".	12 ÷ 30 bar (1/2") 12 ÷ 28 bar (1")		HP
Filter cartridge 40 µm			40
NPT thread	(ANSI B 1.20.1 standard)		N
Manual condense drain			H
Automatic condense drain*	P _{max} 10 bar		D
EPDM seals for low temperatures	-40°C ÷ +70°C		BT

The options, when this is possible, can be combined with each other. For options matching see page 5.202.4; For code key see page 5.202.5.

*Warning: with option D the maximum inlet pressure is 10 bar.

Accessories supplied with modular unit

Type	Stainless Steel AISI 316 pressure-gauge		Stainless Steel AISI 316 mounting bracket and screws	
				
Filter FX			-	•
Regulator RX			•	•
Lubricator LX			-	•
Filter-regulator FRRX			•	•
Filter-regulator + lubricator FRRLX			•	•

Key

• supplied; - not supplied;

Options matching

Type	Size	Model	Standard options matching					
			HP (1/2" ÷ 1")	40	N	H	D (P _{max} 10 bar)	BT
FX	1/4" - 1/2" - 1"	Standard	-	●	●	●	●	●
		NPT thread (N)	-	●		●	●	●
		Automatic condense drain (D)	-	●	●	-		●
		Manual condense drain (H)	-	●	●		-	●
RX	1/4"	Standard	-	-	●	-	-	●
		NPT thread (N)	-	-		-	-	●
	1/2" - 1"	Standard	●	-	●	-	-	●
		High pressure (HP)		-	●	-	-	●
		NPT thread (N)	●	-		-	-	●
LX	1/4" - 1/2" - 1"	Standard	-	-	●	-	-	●
		NPT thread (N)	-	-		-	-	●
FRRLX	1/4"	Standard	-	●	●	●	●	●
		NPT thread (N)	-	●		●	●	●
		Automatic condense drain (D)	-	●	●	-		●
		Manual condense drain (H)	-	●	●		-	●
	1/2" - 1"	Standard	●	●	●	●	●	●
		High pressure (HP)		●	●	●	-	●
		NPT thread (N)	●	●		●	●	●
		Automatic condense drain (D)	-	●	●	-		●
FRRX	1/4"	Standard	-	●	●	●	●	●
		NPT thread (N)	-	●		●	●	●
		Automatic condense drain (D)	-	●	●	-		●
		Manual condense drain (H)	-	●	●		-	●
	1/2" - 1"	Standard	●	●	●	●	●	●
		High pressure (HP)		●	●	●	-	●
		NPT thread (N)	●	●		●	●	●
		Automatic condense drain (D)	-	●	●	-		●
FRRX	1/4"	Standard	-	●	●	●	●	●
		NPT thread (N)	-	●		●	●	●
		Automatic condense drain (D)	-	●	●	-		●
		Manual condense drain (H)	-	●	●		-	●
	1/2" - 1"	Standard	●	●	●	●	●	●
		High pressure (HP)		●	●	●	-	●
		NPT thread (N)	●	●		●	●	●
		Automatic condense drain (D)	-	●	●	-		●
FRRX	1/4"	Standard	-	●	●	●	●	●
		NPT thread (N)	-	●		●	●	●
		Automatic condense drain (D)	-	●	●	-		●
		Manual condense drain (H)	-	●	●		-	●
	1/2" - 1"	Standard	●	●	●	●	●	●
		High pressure (HP)		●	●	●	-	●
		NPT thread (N)	●	●		●	●	●
		Automatic condense drain (D)	-	●	●	-		●
FRRX	1/4"	Standard	-	●	●	●	●	●
		NPT thread (N)	-	●		●	●	●
		Automatic condense drain (D)	-	●	●	-		●
		Manual condense drain (H)	-	●	●		-	●
	1/2" - 1"	Standard	●	●	●	●	●	●
		High pressure (HP)		●	●	●	-	●
		NPT thread (N)	●	●		●	●	●
		Automatic condense drain (D)	-	●	●	-		●
FRRX	1/4"	Standard	-	●	●	●	●	●
		NPT thread (N)	-	●		●	●	●
		Automatic condense drain (D)	-	●	●	-		●
		Manual condense drain (H)	-	●	●		-	●
	1/2" - 1"	Standard	●	●	●	●	●	●
		High pressure (HP)		●	●	●	-	●
		NPT thread (N)	●	●		●	●	●
		Automatic condense drain (D)	-	●	●	-		●

Key

● allowed matching; - not allowed matching.

Code key

Series	Size	Function	Options ⁽¹⁾				
A	12	FRRLX				H	
A	14 = 1/4"	FRRLX = Filter-regulator + lubricator	HP	40	N	H	BT
	12 = 1/2"	FRRX = Filter-regulator				D ⁽²⁾	
	01 = 1"	FX = Filter					
		RX = Regulator					
		LX = Lubricator					

How to order

Series	Size	Function	Options
A	12	FRRLX	H

Notes

For standard materials see the table at page 5.202.6

Options in the same grid are alternative to each others.

(1) For information on options and their matching, see page 5.202.3 and following.

(2) **Warning:** with option D the maximum inlet pressure is 10 bar.

Assembling modular components (body FRRX + body LX for size 1/4" and 1/2", and body FFRX + body LX or combinations between body FX, body RX and body LX size 1") require the VOXKIT (see table below). For further information, please contact the sales department.

ATEX note



Stainless Steel modular units are supplied as standard conforming to 2014/34/EU ATEX Directive in classification

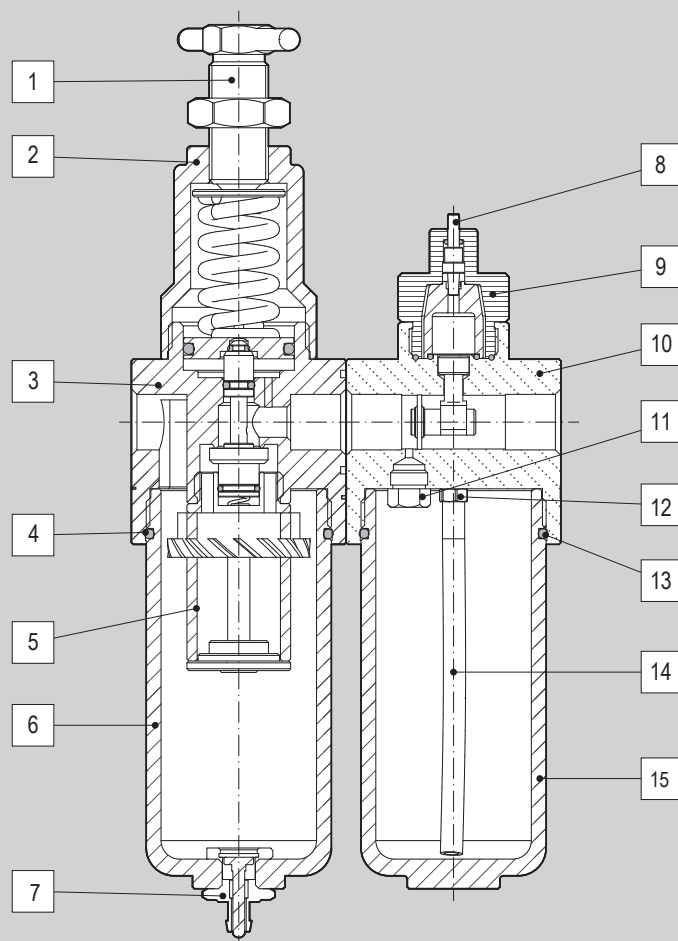
CE Ex II 2G Ex h IIC T6 Gb
II 2D Ex h IIIC T85° Db

For further information on the ATEX 2014/34/EU Directive, on classifications and protections, see from page III.1

Screws and o-ring kit for assembly of two modular bodies

	Code	Item	Size
	090618	VOXKIT14	1/4"
	090619	VOXKIT12	1/2"
	090620	VOXKIT01	1"

Standard materials



Position	Description	Material
1	Pressure regulator screw	Stainless Steel AISI 316
2	Pressure regulator cover	Stainless Steel AISI 316
3	Regulator body	Stainless Steel AISI 316
4	O-ring	FKM
5	Filtering element	Stainless Steel AISI 316
6	Filter cup	Stainless Steel AISI 316
7	Drain	Stainless Steel AISI 316
8	Oil regulation screw	Stainless Steel AISI 316
9	Lubricator cover	Stainless Steel AISI 316
10	Lubricator body	Stainless Steel AISI 316
11	Plug	Stainless Steel AISI 316
12	Fitting	Stainless Steel AISI 316
13	O-ring	FKM
14	Tube	PU
15	Lubricator cup	Stainless Steel AISI 316

Stainless Steel modular units

Filters, 1/4" ÷ 1"



Main features

Code	Item	Size	Function	Symbol
090607	A14FX	1/4"	Filter	
090608	A12FX	1/2"		
090609	A01FX	1"		



Technical data

Type	A14FX	A12FX	A01FX
Size	1/4"	1/2"	1"
Fluid	Compressed air		
Maximum inlet pressure	0÷30 bar (standard) 0÷10 bar (D)*	0÷60 bar (standard) 0÷10 bar (D)*	
Temperature range	-10°C ÷ +70°C (standard) -40°C ÷ +70°C (BT)		
Maximum flow at 6 bar with 40 µm cartridge	1900 NI/min.	3030 NI/min.	9600 NI/min.
Filtration grade	5 µm (standard)	40 µm (40)	
Cup capacity	105 cm³	110 cm³	200 cm³
Condense drain	Semi-automatic (standard)	Automatic (D)	Manual (H)
Weight	1260 g	1650 g	3950 g

Notes

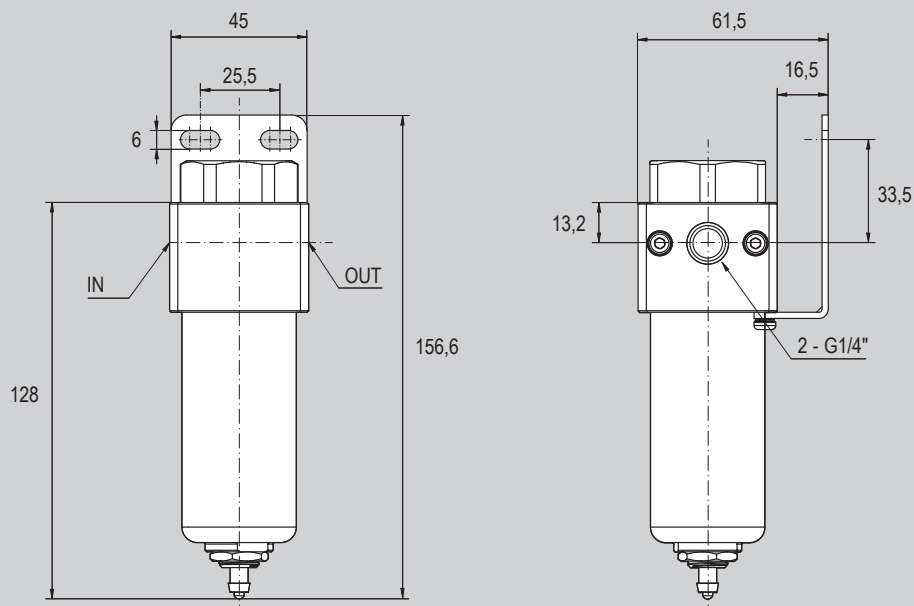
Supplied complete with AISI 316 stainless steel mounting bracket and screw.

***Warning:** with option D the maximum inlet pressure is 10 bar.

Standard dimensions

CE Ex II 2G Ex h IIC T6 Gb
II 2D Ex h IIC T85° Db

Type: A14FX

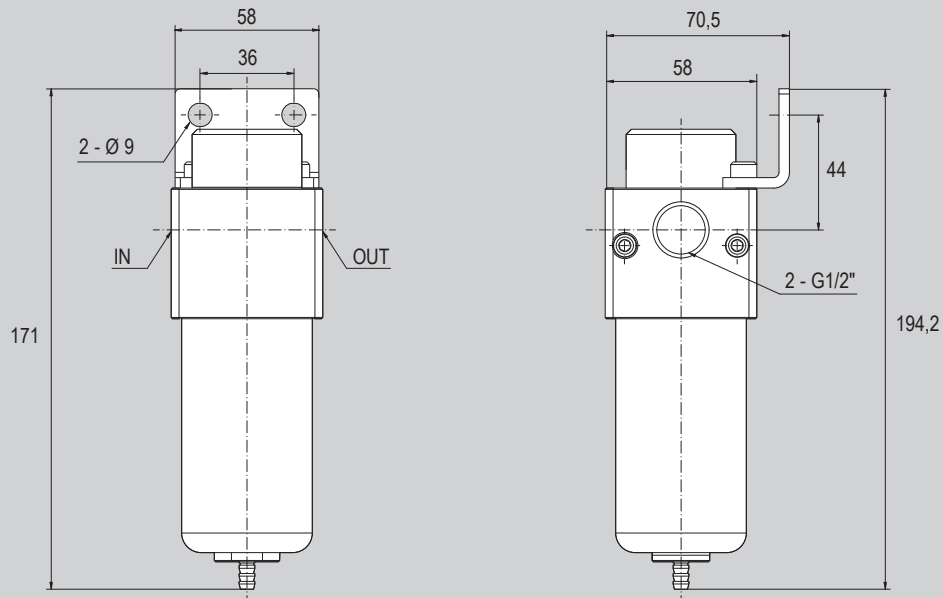


Size	Function	Symbol	Code	Item
1/4"	Filter		090607	A14FX

Standard dimensions

CE Ex II 2G Ex h IIC T6 Gb
II 2D Ex h IIC T85° Db

Type: A12FX

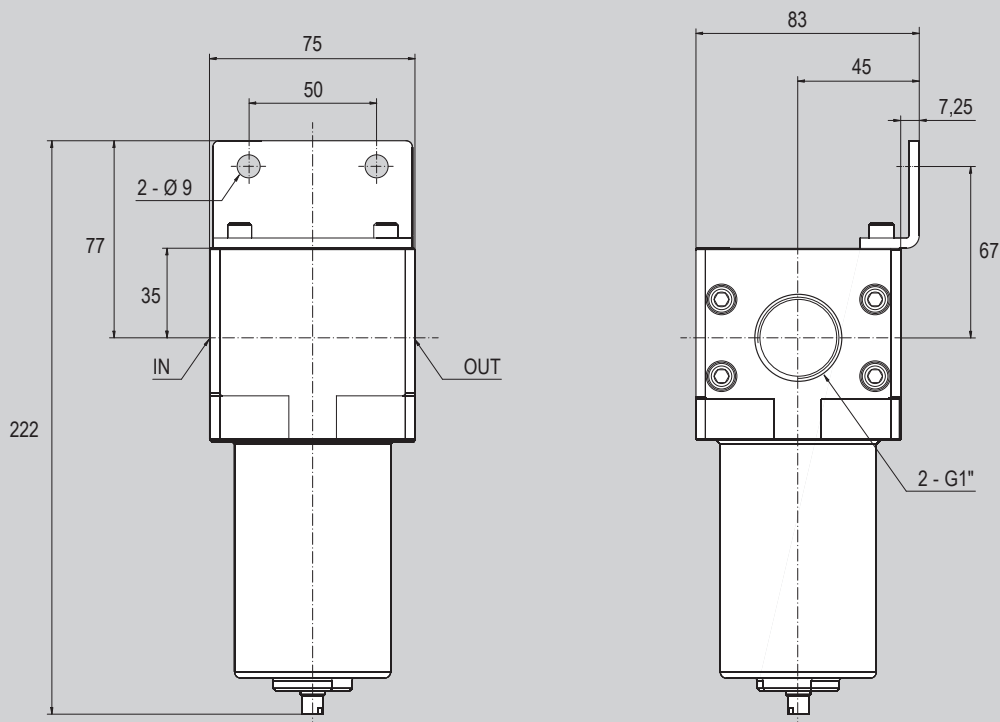


Size	Function	Symbol	Code	Item
1/2"	Filter		090608	A12FX

Standard dimensions

CE Ex II 2G Ex h IIC T6 Gb
II 2D Ex h IIC T85° Db

Type: A01FX



Size	Function	Symbol	Code	Item
1"	Filter		090609	A01FX

Stainless Steel modular units

Regulators, 1/4" ÷ 1"



Main features

Code	Item	Size	Function	Symbol
090610	A14RX	1/4"	Regulator	
090611	A12RX	1/2"		
090612	A01RX	1"		



Technical data

Type	A14RX	A12RX	A01RX
Size	1/4"	1/2"	1"
Fluid	Compressed air		
Maximum inlet pressure	0÷30 bar (standard) 0÷10 bar (D)*	0÷60 bar (standard) 0÷10 bar (D)*	
Pressure regulation range	0,5÷20 bar	0,5÷12 bar (standard) 12÷30 bar (HP)	0,5÷12 bar (standard) 12÷28 bar (HP)
Temperature range	-10°C ÷ +70°C (standard) -40°C ÷ +70°C (BT)		
Flow (at 6 bar)	1850 NI/min.	2520 NI/min.	9400 NI/min.
Pressure regulator	Piston		
Overpressure relief	Relieving M5		
Gauges port	1/8"	1/4"	
Weight	1200 g	1400 g	3400 g

Notes

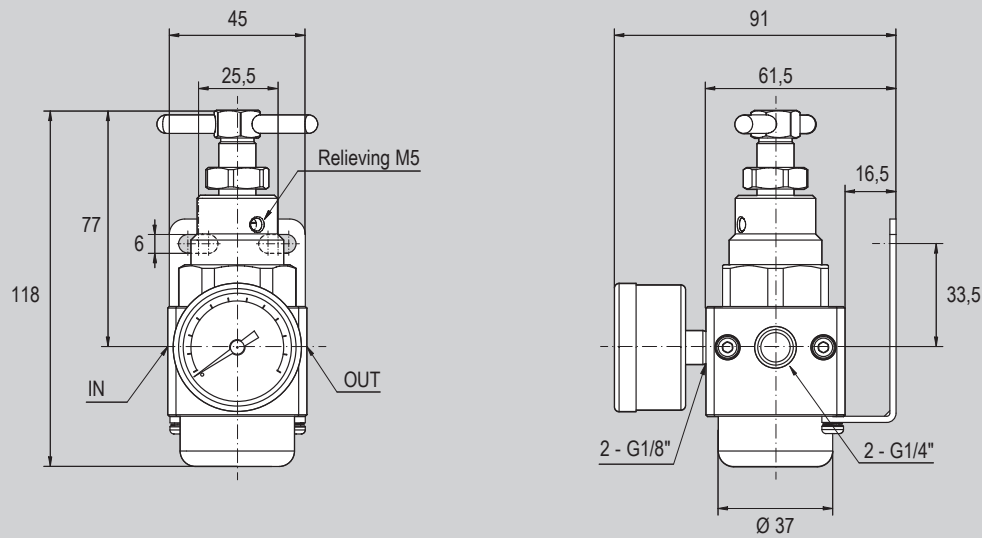
Supplied complete with AISI 316 stainless steel pressure-gauge, mounting bracket and screw.

***Warning:** with option D the maximum inlet pressure is 10 bar.

Standard dimensions

CE Ex II 2G Ex h IIC T6 Gb
II 2D Ex h IIC T85° Db

Type: A14RX

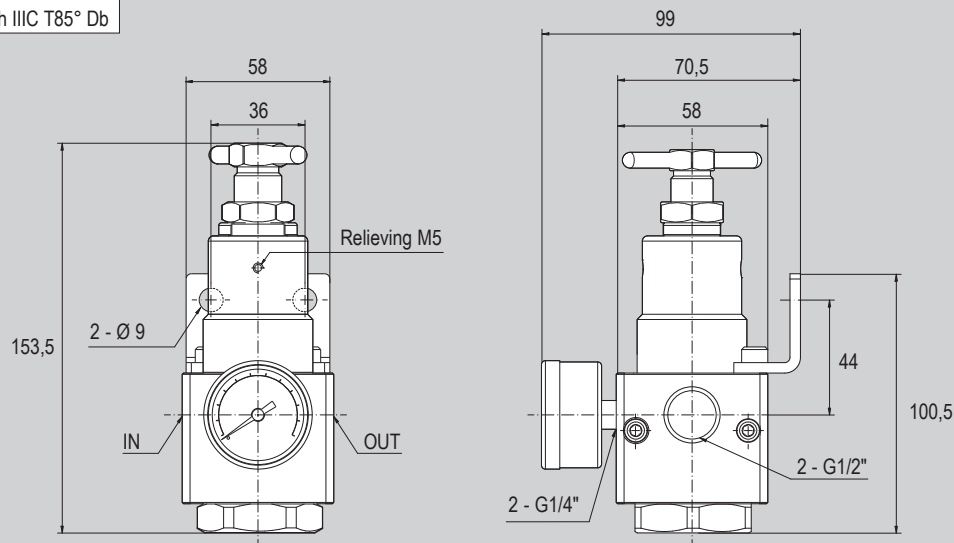


Size	Function	Symbol	Code	Item
1/4"	Regulator		090610	A14RX

Standard dimensions

CE Ex II 2G Ex h IIC T6 Gb
II 2D Ex h IIC T85° Db

Type: A12RX

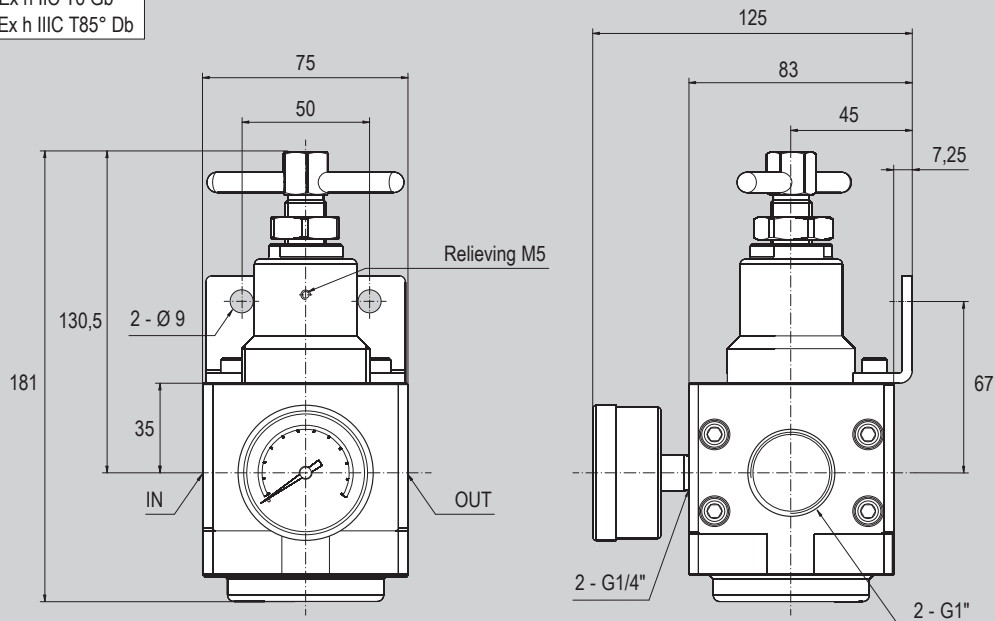


Size	Function	Symbol	Code	Item
1/2"	Regulator		090611	A12RX

Standard dimensions

CE Ex II 2G Ex h IIC T6 Gb
II 2D Ex h IIC T85° Db

Type: A01RX



Size	Function	Symbol	Code	Item
1"	Regulator		090612	A01RX

Stainless Steel modular units

Lubricators, 1/4" ÷ 1"



Main features

Code	Item	Size	Function	Symbol
090613	A14LX	1/4"	Lubricator	
090614	A12LX	1/2"		
090615	A01LX	1"		



Technical data

Type	A14LX	A12LX	A01LX
Size	1/4"	1/2"	1"
Fluid	Compressed air		
Maximum inlet pressure	0÷30 bar (standard) 0÷10 bar (D)*	0÷60 bar (standard) 0÷10 bar (D)*	
Temperature range	-10°C ÷ +70°C (standard) -40°C ÷ +70°C (BT)		
Flow (at 6 bar)	2500 NI/min.	4100 NI/min.	13200 NI/min.
Filtration grade	5 µm (standard) 40 µm (40)		
Cup capacity	125 cm³	130 cm³	220 cm³
Suggested lubricant	With viscosity ISO VG 32 compliant to ISO 3448 standards		
Weight	1200 g	1750 g	3360 g

Notes

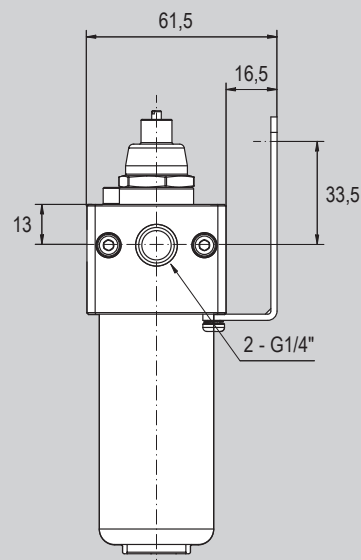
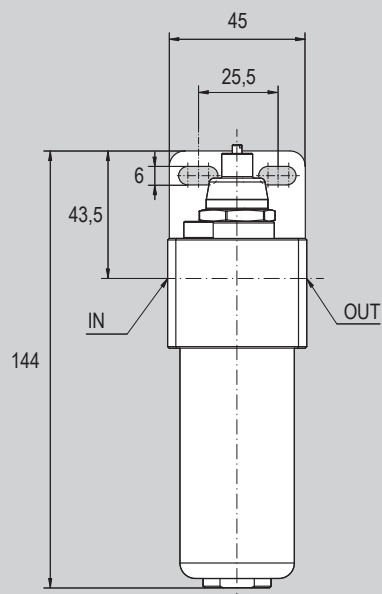
Supplied complete with AISI 316 stainless steel mounting bracket and screw.

***Warning:** with option D the maximum inlet pressure is 10 bar.

Standard dimensions

CE Ex II 2G Ex h IIC T6 Gb
II 2D Ex h IIC T85° Db

Type: A14LX

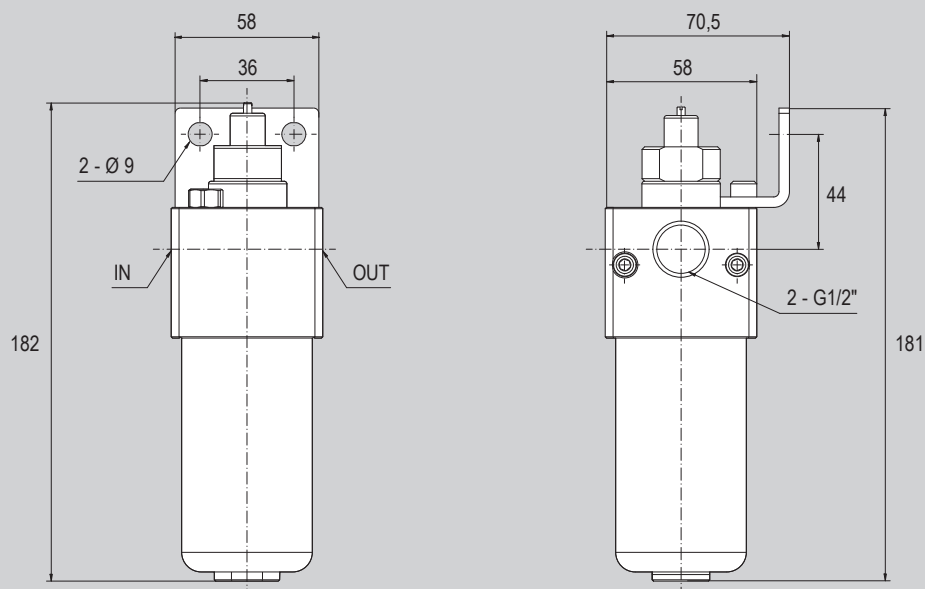


Size	Function	Symbol	Code	Item
1/4"	Lubricator		090613	A14LX

Standard dimensions

CE Ex II 2G Ex h IIC T6 Gb
II 2D Ex h IIC T85° Db

Type: A12LX

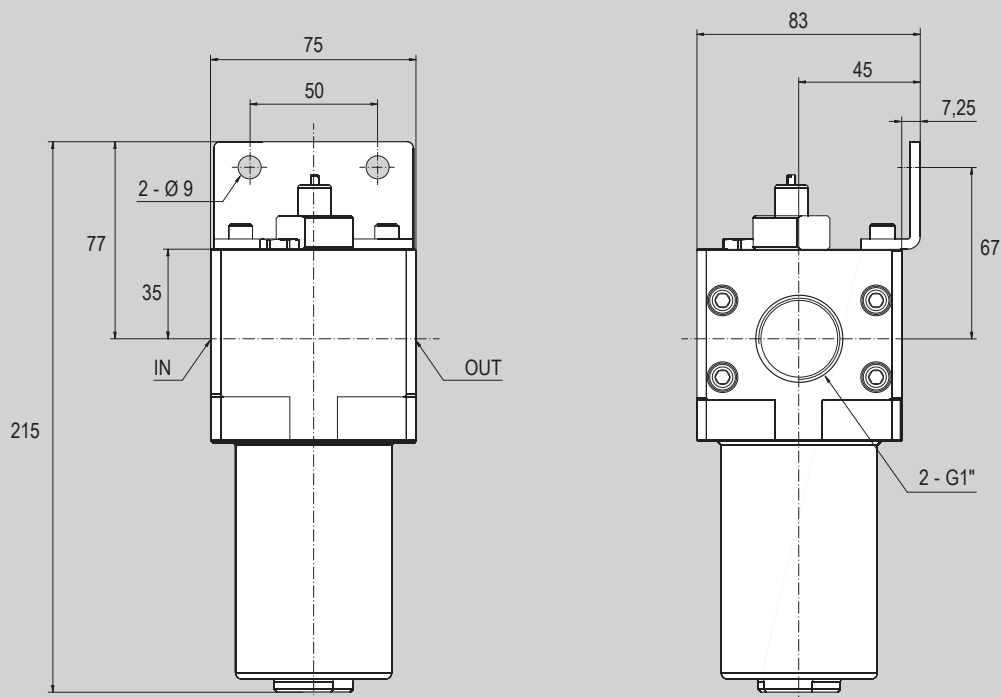


Size	Function	Symbol	Code	Item
1/2"	Lubricator		090614	A12LX

Standard dimensions

CE Ex II 2G Ex h IIC T6 Gb
II 2D Ex h IIC T85° Db

Type: A01LX



Size	Function	Symbol	Code	Item
1"	Lubricator		090615	A01LX

Stainless Steel modular units

Filter-regulators, 1/4" ÷ 1"



Main features

Code	Item	Size	Function	Symbol
090601	A14FRRX	1/4"	Filter-regulator	
090602	A12FRRX	1/2"		
090603	A01FRRX	1"		



Technical data

Type	A14FRRX	A12FRRX	A01FRRX
Size	1/4"	1/2"	1"
Fluid	Compressed air		
Maximum inlet pressure	0÷30 bar (standard) 0÷10 bar (D)*	0÷60 bar (standard) 0÷10 bar (D)*	
Pressure regulation range	0,5÷20 bar	0,5÷12 bar (standard) 12÷30 bar (HP)	0,5÷12 bar (standard) 12÷28 bar (HP)
Temperature range	-10°C ÷ +70°C (standard) -40°C ÷ +70°C (BT)		
Maximum flow at 6 bar with 40 µm cartridge	1850 NI/min.	3800 NI/min.	8900 NI/min.
Filtration grade	5 µm (standard)	40 µm (40)	
Cup capacity	105 cm³	110 cm³	200 cm³
Pressure regulator	Piston		
Overpressure relief	Relieving M5		
Condense drain	Semi-automatic (standard)	Automatic (D)	Manual (H)
Gauges port	1/8"	1/4"	
Weight	1380 g	2000 g	4580 g

Notes

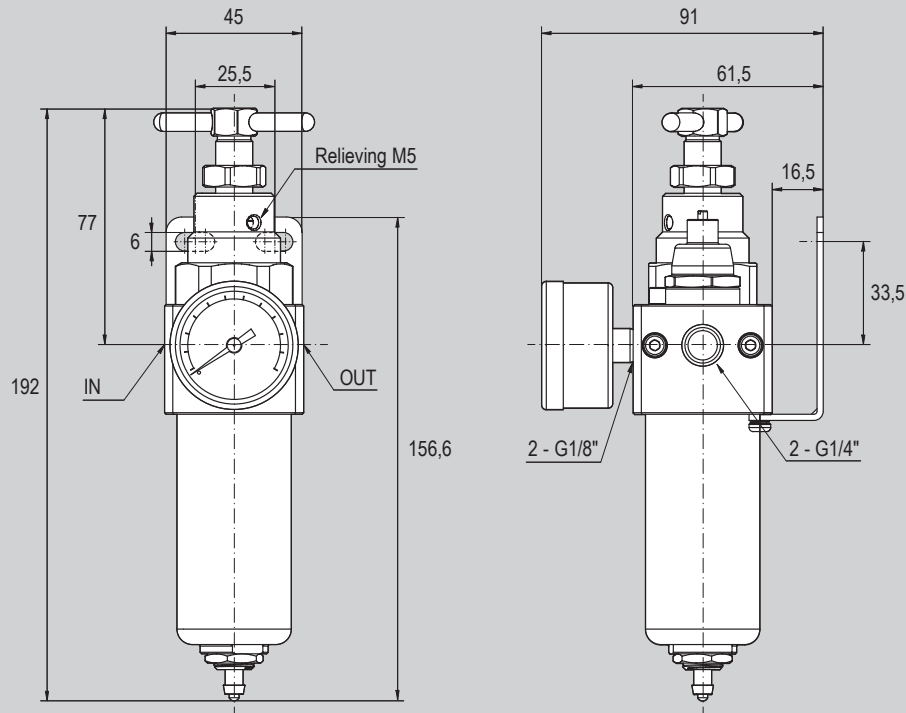
Supplied complete with AISI 316 stainless steel pressure-gauge, mounting bracket and screw.

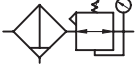
***Warning:** with option D the maximum inlet pressure is 10 bar.

Standard dimensions

Type: **A14FRRX**

CE Ex II 2G Ex h IIC T6 Gb
II 2D Ex h IIC T85° Db

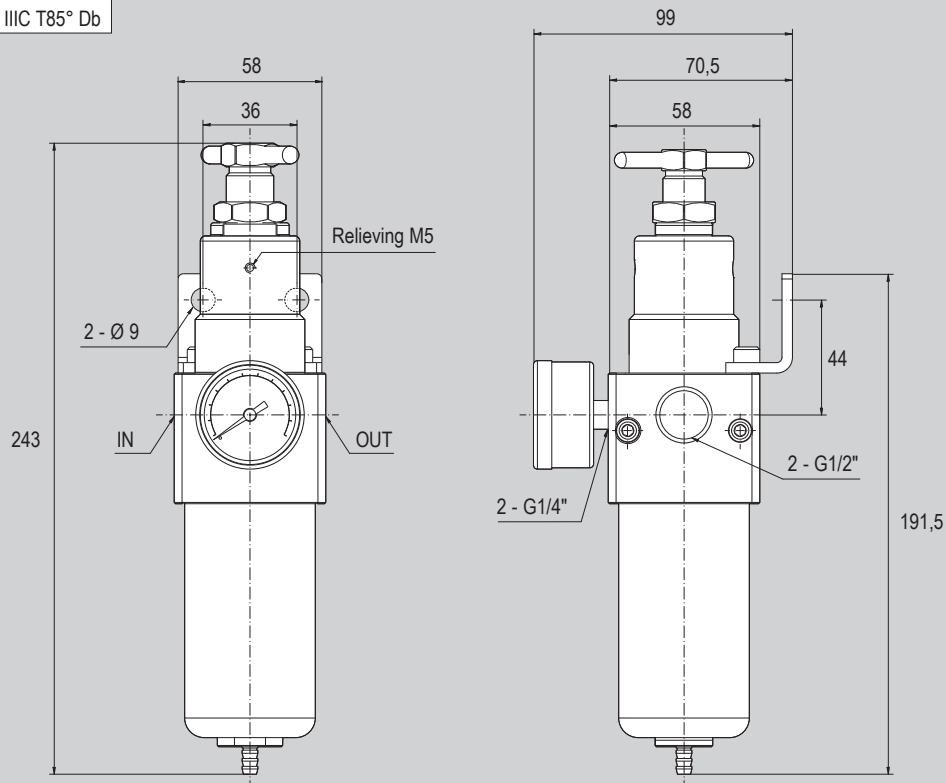


Size	Function	Symbol	Code	Item
1/4"	Filter-regulator		090601	A14FRRX

Standard dimensions

Type: **A12FRRX**

CE Ex II 2G Ex h IIC T6 Gb
II 2D Ex h IIC T85° Db

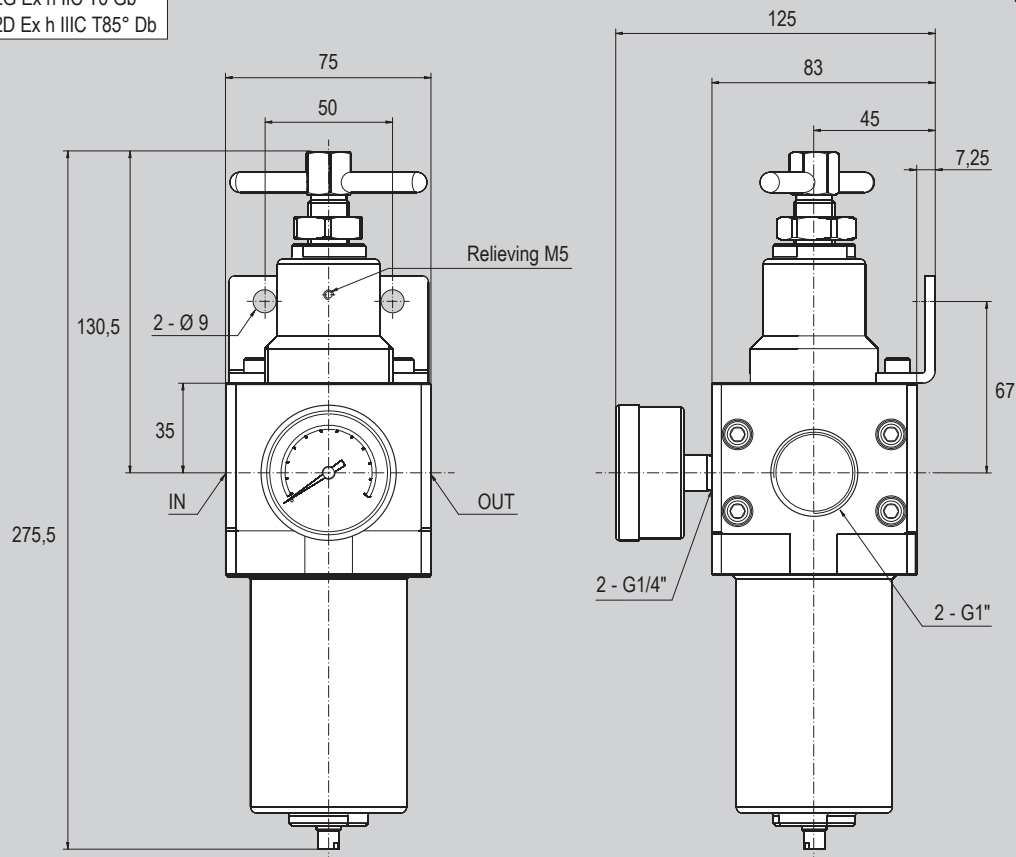


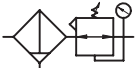
Size	Function	Symbol	Code	Item
1/2"	Filter-regulator		090602	A12FRRX

Standard dimensions

Type: A01FRRX

CE Ex II 2G Ex h IIC T6 Gb
II 2D Ex h IIC T85° Db



Size	Function	Symbol	Code	Item
1"	Filter-regulator		090603	A01FRRX

Stainless Steel modular units

Filter-regulators + lubricators, 1/4" ÷ 1"



Main features

Code	Item	Size	Function	Symbol
090604	A14FRRLX	1/4"	Filter-regulator + lubricator	
090605	A12FRRLX	1/2"		
090606	A01FRRLX	1"		



Technical data

Type	A14FRRX		A12FRRX	A01FRRX
Size	1/4"		1/2"	1"
Fluid	Compressed air			
Maximum inlet pressure	0÷30 bar (standard) 0÷10 bar (D)*		0÷60 bar (standard) 0÷10 bar (D)*	
Pressure regulation range	0,5÷20 bar		0,5÷12 bar (standard) 12÷30 bar (HP)	0,5÷12 bar (standard) 12÷28 bar (HP)
Temperature range	-10°C ÷ +70°C (standard) -40°C ÷ +70°C (BT)			
Maximum flow at 6 bar with 40 µm cartridge	1850 NI/min.		2500 NI/min.	8000 NI/min.
Filtration grade	5 µm (standard) 40 µm (40)			
Cup capacity	Filter	105 cm³	110 cm³	200 cm³
	Lubricator	125 cm³	130 cm³	220 cm³
Pressure regulator	Piston			
Overpressure relief	Relieving M5			
Condense drain	Semi-automatic (standard) Automatic (D) Manual (H)			
Suggested lubricant	With viscosity ISO VG 32 compliant to ISO 3448 standards			
Gauges port	1/8"		1/4"	
Weight	2660 g		3840 g	7960 g

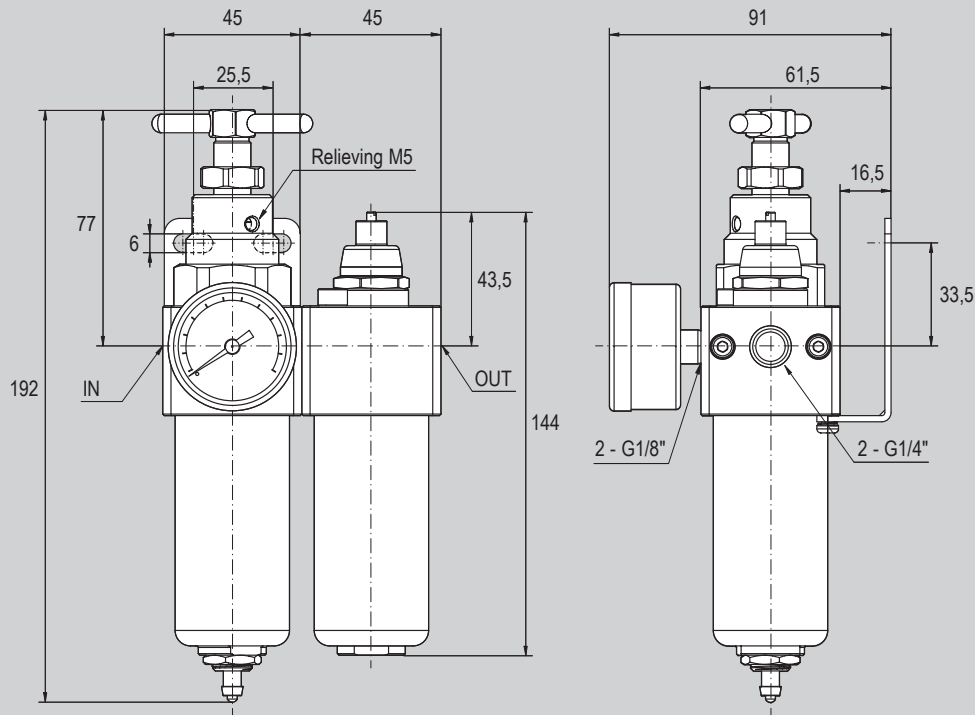
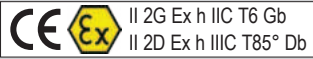
Notes

Supplied complete with AISI 316 stainless steel pressure-gauge, mounting bracket and screw.

***Warning:** with option D the maximum inlet pressure is 10 bar.

Standard dimensions

Type: A14FRRLX

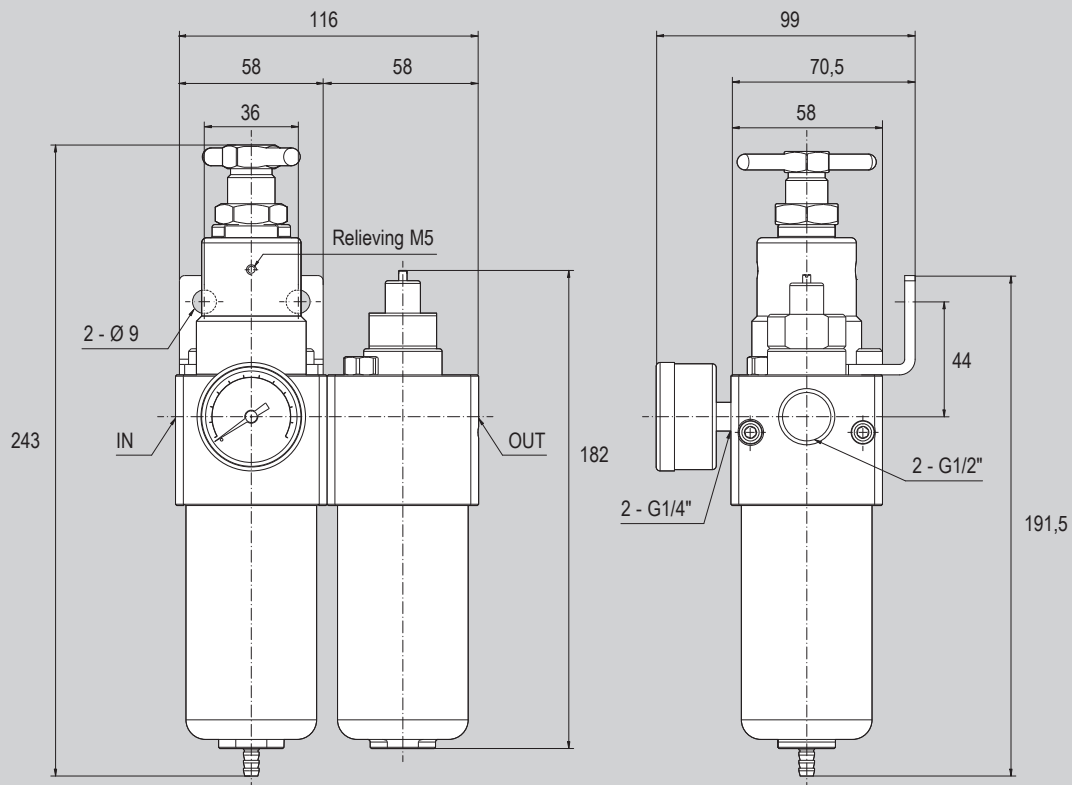


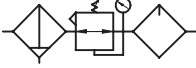
Size	Function	Symbol	Code	Item
1/4"	Filter-regulator + lubricator		090604	A14FRRLX

Standard dimensions

Type: **A12FRRLX**

CE Ex II 2G Ex h IIC T6 Gb
II 2D Ex h IIC T85° Db

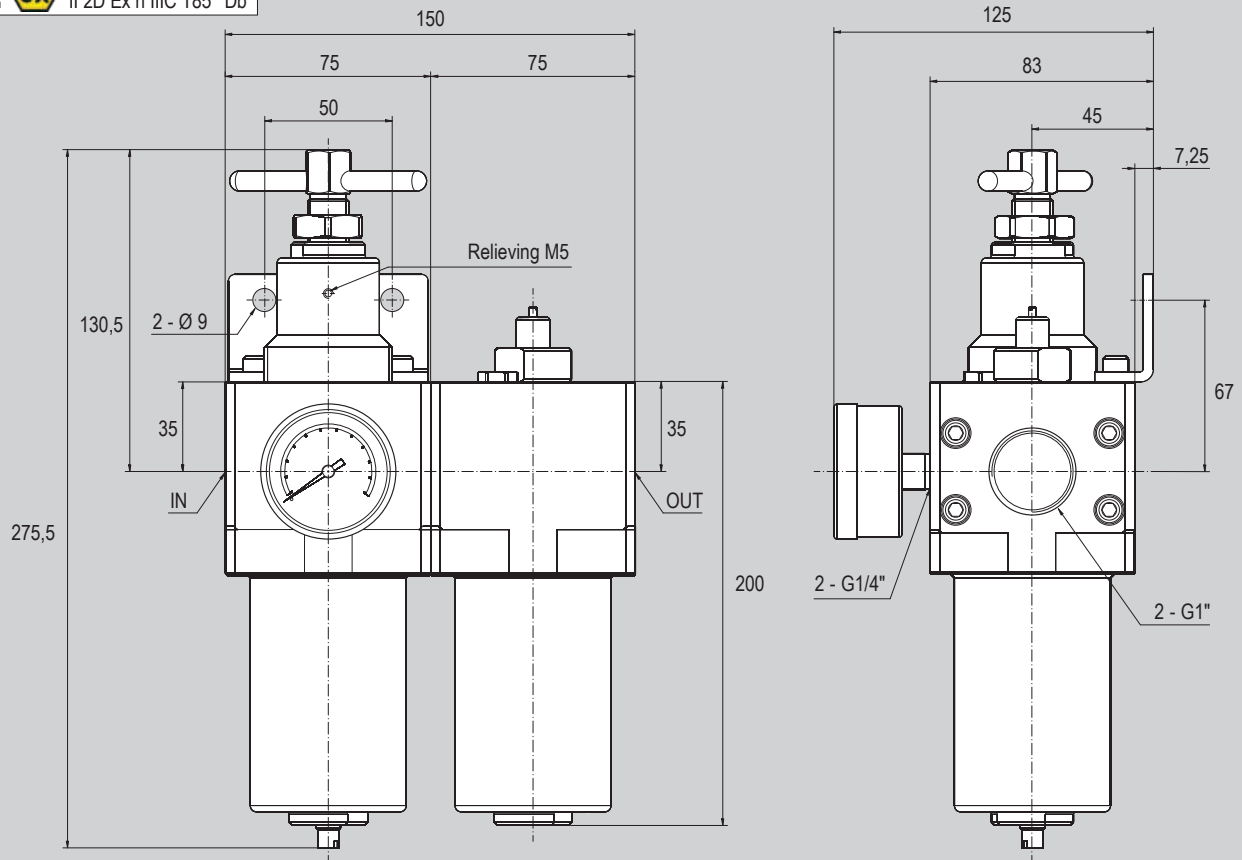


Size	Function	Symbol	Code	Item
1/2"	Filter-regulator + lubricator		090605	A12FRRLX

Standard dimensions

Type: A01FRRLX

CE Ex II 2G Ex h IIC T6 Gb
II 2D Ex h IIIC T85° Db



Size	Function	Symbol	Code	Item
1"	Filter-regulator + lubricator		090606	A01FRRLX