














series AS2

Brochure



★ series AS2


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* core products - preferably for new constructions, stockpiling in Laatzen central warehouse, worldwide service

● service products - existing standard program, worldwide service

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* series AS2





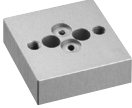

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* series AS2

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Preparation of compressed air - FRL

*** Maintenance unit, 2-part, series AS2-ACD**

Qn = 1800 - 2000 l/min, with pressure gauge, filter porosity: 5 µm, suitable for ATEX



00119382

Controller version	Diaphragm-type pressure regulator With secondary air exhaust lockable regulator head
Filter version	Filter insert exchangeable
Filter porosity	5 µm
Filter reservoir volume	28 cm³
Lubricator version	semi-automatic oil filling during operation
Oil type	HL 68 (DIN 51 524 - ISO VG 68)
Lubricator reservoir volume	40 cm³
Installation location	vertical
Ambient temperature min./max.	-10°C / +50°C
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
can be assembled into blocks	+
ATEX	II 2G2D T4 X
materials:	
Cover	acrylonitrile butadiene styrene plastic
Filter insert	polyethylene
Housing	polyamide
Threaded bushing	Diecast zinc

	Thread connection	Qn [l/min]	Operating pressure [bar]	Secondary pressure range [bar]	Condensate drain	Part No.
	G 1/4	1800	1,5 - 16	0 - 8	fully automatic, closed without pressure	R412006300
	G 3/8	2000	1,5 - 16	0 - 8	fully automatic, closed without pressure	R412006309
	G 1/4	1800	0,5 - 16	0,5 - 8	semi-automatic, opened without pressure	R412006298
	G 3/8	2000	0,5 - 16	0,5 - 8	semi-automatic, opened without pressure	R412006307
	G 1/4	1800	1,5 - 16	1,5 - 8	fully automatic, open without pressure	R412006299
	G 3/8	2000	1,5 - 16	1,5 - 8	fully automatic, open without pressure	R412006308
Part No.	Reservoir		Protective guard		Weight [kg]	
R412006300 R412006309 R412006298 R412006307 R412006299 R412006308	Polycarbonate		polyamide		0,676 0,676 0,633 0,633 0,676 0,676	

nominal flow with secondary pressure 6,3 bar at Δp = 1 bar

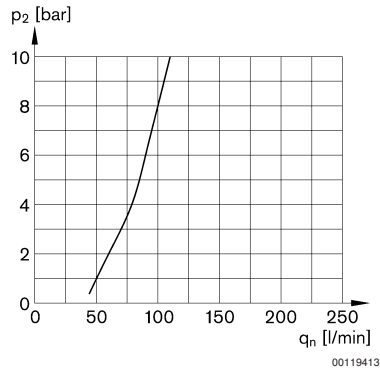
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 ● service products - existing standard program, worldwide service
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Preparation of compressed air - FRL

* Maintenance unit, 2-part, series AS2-ACD

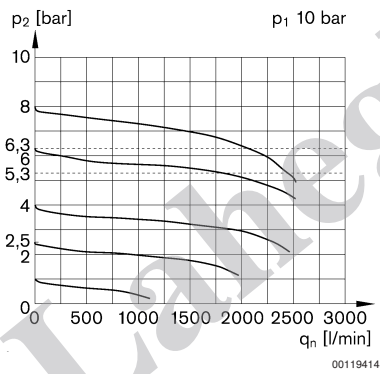
$Q_n = 1800 - 2000$ l/min, with pressure gauge, filter porosity: $5 \mu\text{m}$, suitable for ATEX

lubricator activation margin



p_2 = secondary pressure q_n = nominal flow

flow rate characteristic (p2: 0,5 - 8 bar)



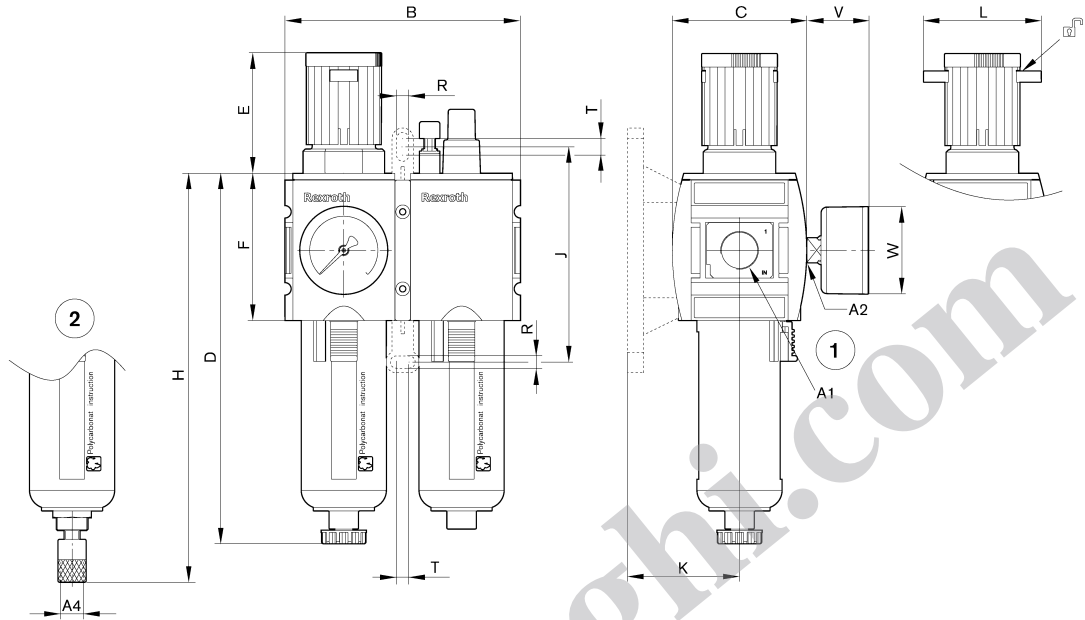
p_1 = working pressure; p_2 = secondary pressure; q_n = nominal flow

Preparation of compressed air - FRL

★ Maintenance unit, 2-part, series AS2-ACD

Qn = 1800 - 2000 l/min, with pressure gauge, filter porosity: 5 µm, suitable for ATEX

dimensioned drawing



00120286

- 1) semi-automatic condensate drain
- 2) fully automatic condensate drain

A1	A2	A4	B	C	D	E	F	H	J	K	L	R	T	V	W
G1/4	G1/4	G1/8	104	59	163.5	53.2	65	180.5	95	49.4	52	5.4	7.3	35	50
G3/8	G1/4	G1/8	104	59	163.5	53.2	65	180.5	95	49.4	52	5.4	7.3	35	50

Preparation of compressed air - FRL

★ Maintenance unit, 3-part, series AS2-ACT

Qn = 1400 - 1600 l/min, with pressure gauge, filter porosity: 5 µm, suitable for ATEX



00119436

Controller version	Diaphragm-type pressure regulator With secondary air exhaust lockable regulator head
Filter version	Filter insert exchangeable
Filter porosity	5 µm
Filter reservoir volume	28 cm ³
Lubricator version	semi-automatic oil filling during operation
Oil type	HL 68 (DIN 51 524 - ISO VG 68)
Lubricator reservoir volume	40 cm ³
Installation location	vertical
Ambient temperature min./max.	-10 °C / +50 °C
Medium	compressed air
can be assembled into blocks	+
ATEX	II 2G2D T4 X
materials:	
Cover	acrylonitrile butadiene styrene plastic
Filter insert	polyethylene
Housing	polyamide
Threaded bushing	Diecast zinc

	Thread connection	Qn [l/min]	Operating pressure [bar]	Secondary pressure range [bar]	Condensate drain	Part No.
	G 1/4	1400	1,5 - 16	0 - 8	fully automatic, closed without pressure	R412006320
	G 3/8	1600	1,5 - 16	0 - 8	fully automatic, closed without pressure	R412006329
	G 1/4	1400	0,5 - 16	0,5 - 8	semi-automatic, opened without pressure	R412006318
	G 3/8	1600	0,5 - 16	0,5 - 8	semi-automatic, opened without pressure	R412006327
	G 1/4	1400	1,5 - 16	1,5 - 8	fully automatic, open without pressure	R412006319
	G 3/8	1600	1,5 - 16	1,5 - 8	fully automatic, open without pressure	R412006328
Part No.	Reservoir		Protective guard		Weight [kg]	
R412006320 R412006329 R412006318 R412006327 R412006319 R412006328	Polycarbonate		polyamide			0,825 0,825 0,78 0,78 0,825 0,825

* nominal flow with secondary pressure 6 bar at $\Delta p = 1$ bar

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● service products - existing standard program, worldwide service

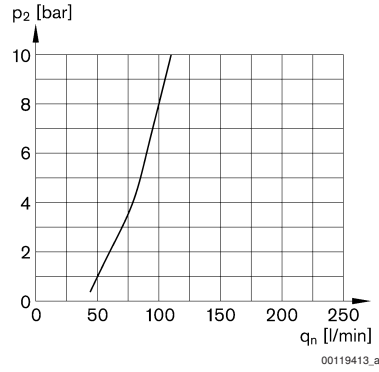
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Preparation of compressed air - FRL

★ Maintenance unit, 3-part, series AS2-ACT

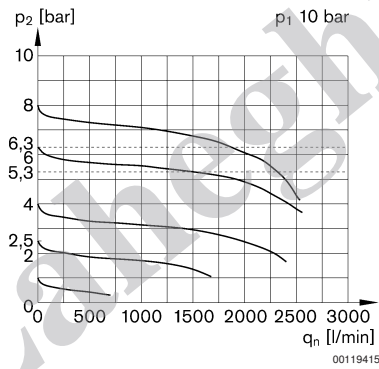
Qn = 1400 - 1600 l/min, with pressure gauge, filter porosity: 5 µm, suitable for ATEX

lubricator activation margin



p2 = secondary pressure qn = nominal flow

flow rate characteristic (p2: 0,5 - 8 bar)



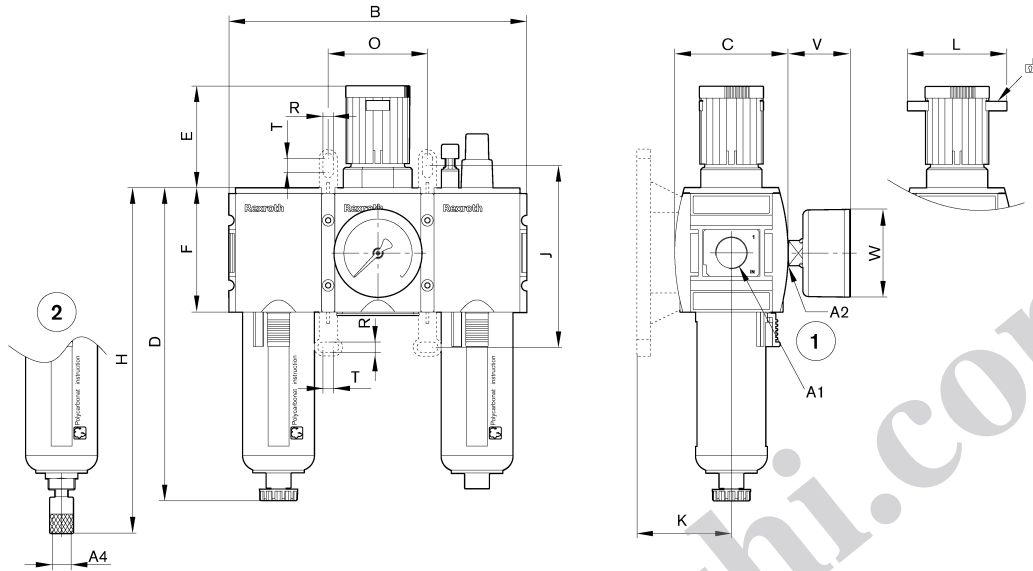
p1 = working pressure; p2 = secondary pressure; qn = nominal flow

Preparation of compressed air - FRL

★ Maintenance unit, 3-part, series AS2-ACT

Qn = 1400 - 1600 l/min, with pressure gauge, filter porosity: 5 µm, suitable for ATEX

dimensioned drawing



00120287

- 1) semi-automatic condensate drain
2) fully automatic condensate drain

A1	A2	A4	B	C	D	E	F	H	J	K	L	O	R	T
G1/4	G1/4	G1/8	156	59	163.5	53.2	65	180.5	95	49.4	52	52	5.4	7.3
G3/8	G1/4	G1/8	156	59	163.5	53.2	65	180.5	95	49.4	52	52	5.4	7.3
A1	V	W												
G1/4	35	50												
G3/8	35	50												

Preparation of compressed air - FRL

★ Pressure regulator, series AS2-RGS

Qn = 2200 - 2700 l/min, suitable for ATEX



Version

Diaphragm-type pressure regulator

With secondary air exhaust

lockable regulator head

can be assembled into blocks

Installation location

any

Working pressure

-- / 16 bar

min/max

Ambient temperature min./max.

-10 °C / +50 °C

Medium

compressed air acc. to ISO 8573-1: 2001 dry air

ATEX

II 2G2D T4 X

materials:

Housing

polyamide

Threaded bushing

Diecast zinc

	Port	Qn [l/min]	Secondary pressure range [bar]	Pressure gauges	Weight [kg]	Part No.
	G 1/4	2200	0,1 - 1	+	0,32	R412006101
	G 1/4	2200	0,1 - 2			R412006103
	G 1/4	2200	0,2 - 4			R412006105
	G 1/4	2200	0,5 - 8			R412006107
	G 1/4	2200	0,5 - 10			R412006109
	G 1/4	2200	0,5 - 16			R412006111
	G 3/8	2700	0,1 - 1			R412006113
	G 3/8	2700	0,1 - 2			R412006115
	G 3/8	2700	0,2 - 4			R412006117
	G 3/8	2700	0,5 - 8			R412006119
	G 3/8	2700	0,5 - 10			R412006121
	G 1/4	2200	0,1 - 1	-	0,248	R412006100
	G 1/4	2200	0,1 - 2			R412006102
	G 1/4	2200	0,2 - 4			R412006104
	G 1/4	2200	0,5 - 8			R412006106
	G 1/4	2200	0,5 - 10			R412006108
	G 1/4	2200	0,5 - 16			R412006110
	G 3/8	2700	0,1 - 1			R412006112
	G 3/8	2700	0,1 - 2			R412006114
	G 3/8	2700	0,2 - 4			R412006116
	G 3/8	2700	0,5 - 8			R412006118
	G 3/8	2700	0,5 - 10			R412006120
G 3/8	2700	0,5 - 16	R412006122			

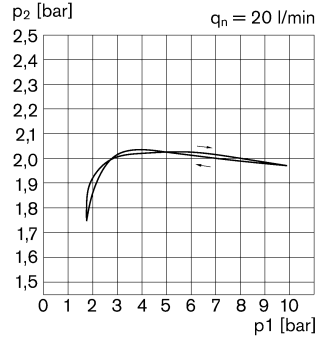
* nominal flow with secondary pressure 6 bar at Δp = 1 bar

Preparation of compressed air - FRL

★ Pressure regulator, series AS2-RGS

Qn = 2200 - 2700 l/min, suitable for ATEX

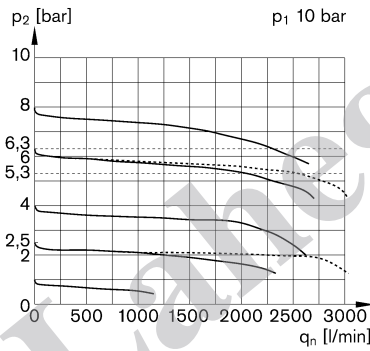
pressure characteristics curve



00119417

p1 = working pressure; p2 = secondary pressure; qn = nominal flow

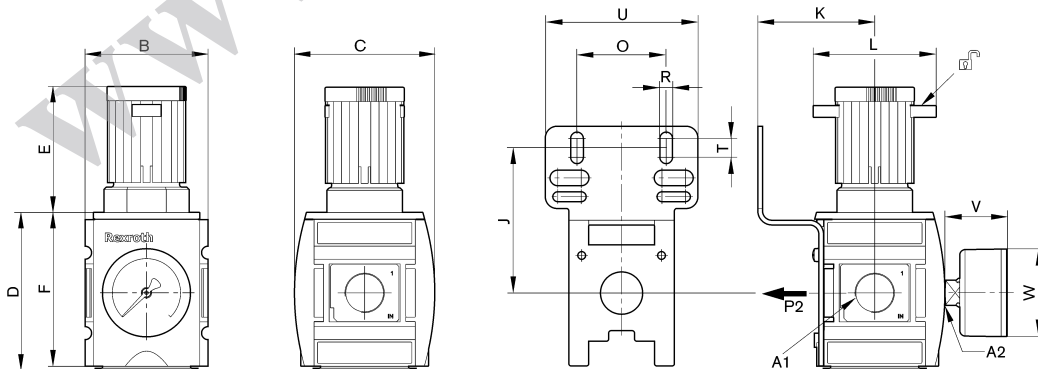
flow rate characteristic (p2: 0,5 - 8 bar)



00119416

p1 = working pressure; p2 = secondary pressure; qn = nominal flow

dimensioned drawing



00120284

A1	A2 1)	B	C	D	E	F	J	K	L	O	R	T	U	V	W
G1/4	G1/4	52	59	66.8	57.9	65	61.8	49.4	52	38	5.4	10	65	35	50

1) Pressure gauges

Preparation of compressed air - FRL

* Pressure regulator, series AS2-RGS

Qn = 2200 - 2700 l/min, suitable for ATEX

A1	A2 1)	B	C	D	E	F	J	K	L	O	R	T	U	V	W
G3/8	G1/4	52	59	66.8	57.9	65	61.8	49.4	52	38	5.4	10	65	35	50

¹⁾
Pressure gauges

Preparation of compressed air - FRL

* Pressure regulator, series AS2-RGS-...-DS

Qn = 2200 l/min, with continuous pressure supply, suitable for ATEX



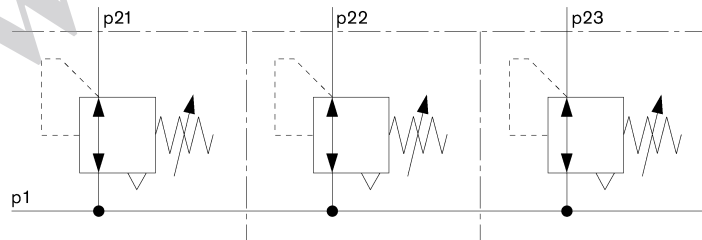
00119367

Version	Diaphragm-type pressure regulator With secondary air exhaust lockable regulator head can be assembled into blocks
Installation location	any
Working pressure min./max	-- / 16 bar
Ambient temperature min./max.	-10°C / +50°C
Medium	compressed air acc. to ISO 8573-1: 2001 dry air II 2G2D T4 X
ATEX materials:	
Housing	Diecast zinc
Threaded bushing	
Cover	acrylonitrile butadiene styrene plastic

	Port	Qn [l/min]	Secondary pressure range [bar]	Weight [kg]	Part No.
	G 1/4	2200	0,1 - 1	0,248	R412006124
	G 1/4		0,1 - 2		R412006125
	G 1/4		0,2 - 4		R412006126
	G 1/4		0,5 - 8		R412006127
	G 1/4		0,5 - 10		R412006128
	G 1/4		0,5 - 16		R412006129
	G 3/8		0,1 - 1		R412006130
	G 3/8		0,1 - 2		R412006131
	G 3/8		0,2 - 4		R412006132
	G 3/8		0,5 - 8		R412006133
	G 3/8		0,5 - 10		R412006134
	G 3/8		0,5 - 16		R412006135

* nominal flow with secondary pressure 6 bar at $\Delta p = 1$ bar

application example



00108090

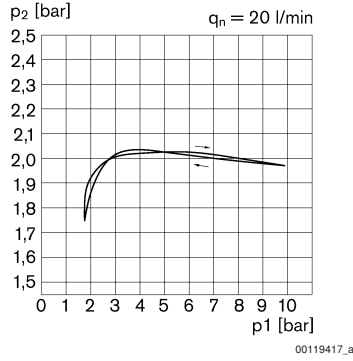
p1 = working pressure
p21; p22; p23 = secondary pressure

Preparation of compressed air - FRL

★ Pressure regulator, series AS2-RGS-...-DS

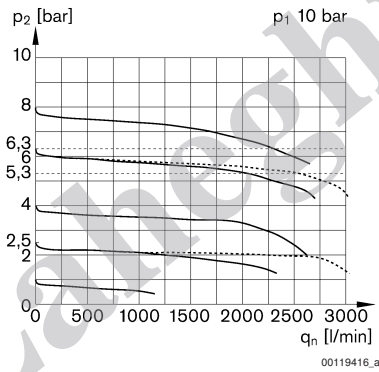
Qn = 2200 l/min, with continuous pressure supply, suitable for ATEX

pressure characteristics curve



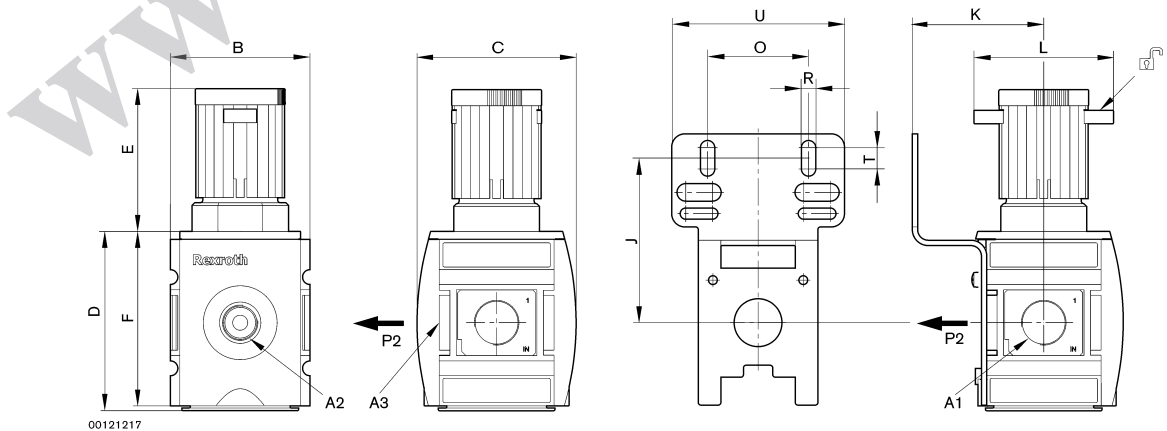
p_1 = working pressure; p_2 = secondary pressure; q_n = nominal flow

flow rate characteristic p_2 : 0,5 - 10 bar



p_1 = working pressure; p_2 = secondary pressure; q_n = nominal flow

dimensioned drawing



p_2 = secondary pressure

Preparation of compressed air - FRL*** Pressure regulator, series AS2-RGS-...-DS**

Qn = 2200 l/min, with continuous pressure supply, suitable for ATEX

A1	A2	A3	B	C	D	E	F	J	K	L	O	R	T	U
G1/4	G1/4	G1/4	52	59	66.8	57.9	65	61.8	49.4	52	38	5.4	10	65
G3/8	G1/4	G3/8	52	59	66.8	57.9	65	61.8	49.4	52	38	5.4	10	65

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Preparation of compressed air - FRL

★ Precision pressure regulator, series AS2-RGP

Qn = 2200 - 2700 l/min, suitable for ATEX



Version	Diaphragm-type pressure regulator With secondary air exhaust lockable regulator head can be assembled into blocks
Installation location	any
Working pressure min/max	-- / 16 bar
Ambient temperature min./max.	-10 °C / +50 °C
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
Compressed air class	class 6-4-3
Internal air consumption qverl.	2,6 l/min
ATEX materials:	II 2G2D T4 X
Housing	polyamide
Threaded bushing	Diecast zinc
Cover	acrylonitrile butadiene styrene plastic

	Port	Qn [l/min]	Secondary pressure range [bar]	Pressure gauges	Weight [kg]	Part No.
	G 1/4	2200	0,1 - 1	+	0,32	R412006137
	G 1/4	2200	0,1 - 2			R412006139
	G 1/4	2200	0,2 - 4			R412006141
	G 1/4	2200	0,5 - 8			R412006143
	G 1/4	2200	0,5 - 10			R412006145
	G 3/8	2700	0,1 - 1			R412006149
	G 3/8	2700	0,1 - 2			R412006151
	G 3/8	2700	0,2 - 4			R412006153
	G 3/8	2700	0,5 - 8			R412006155
	G 3/8	2700	0,5 - 10			R412006157
	G 1/4	2200	0,1 - 1	-	0,248	R412006136
	G 1/4	2200	0,1 - 2			R412006138
	G 1/4	2200	0,2 - 4			R412006140
	G 1/4	2200	0,5 - 8			R412006142
	G 1/4	2200	0,5 - 10			R412006144
	G 3/8	2700	0,1 - 1			R412006148
	G 3/8	2700	0,1 - 2			R412006150
	G 3/8	2700	0,2 - 4			R412006152
	G 3/8	2700	0,5 - 8			R412006154
	G 3/8	2700	0,5 - 10			R412006156

* nominal flow with secondary pressure 6 bar at Δp = 1 bar

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● service products - existing standard program, worldwide service

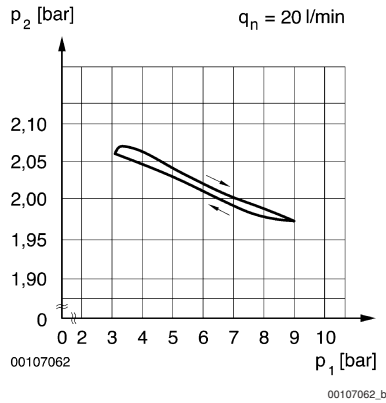
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Preparation of compressed air - FRL

★ Precision pressure regulator, series AS2-RGP

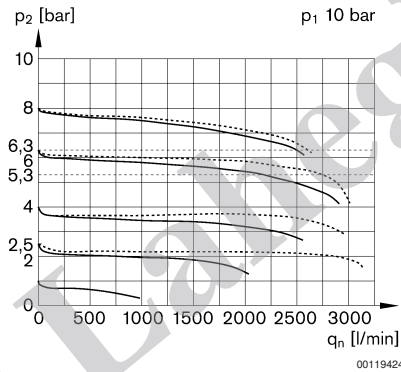
Qn = 2200 - 2700 l/min, suitable for ATEX

pressure characteristics curve



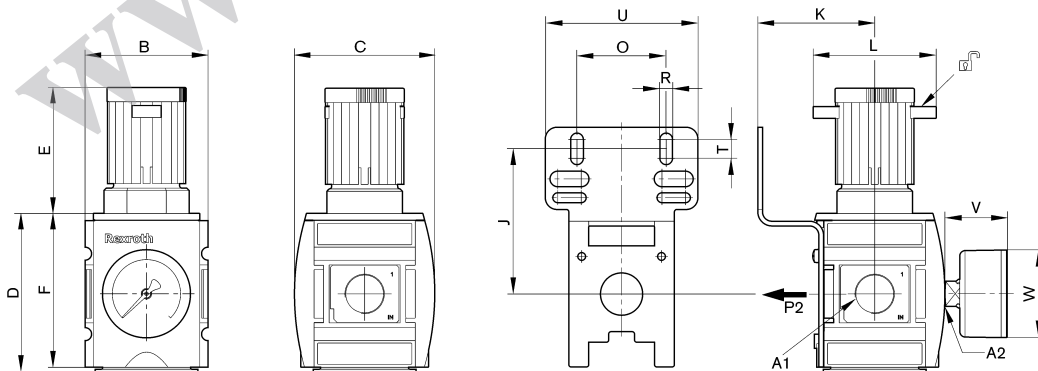
p1 = working pressure; p2 = secondary pressure; qn = nominal flow

flow rate characteristic (p2: 0,5 - 8 bar)



p1 = working pressure; p2 = secondary pressure; qn = nominal flow

dimensioned drawing



00120284_a

A1	A2	B	C	D	E	F	J	K	L	O	R	T	U	V	W
G1/4	G1/4	52	59	66.8	53.2	65	61.8	49.4	52	38	5.4	10	65	35	50
G3/8	G1/4	52	59	66.8	53.2	65	61.8	49.4	52	38	5.4	10	65	35	50

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● service products - existing standard program, worldwide service

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Preparation of compressed air - FRL

★ Precision pressure regulator, series AS2-RGP-...-DS
 Qn = 2200 - 2700 l/min, with continuous pressure supply, suitable for ATEX



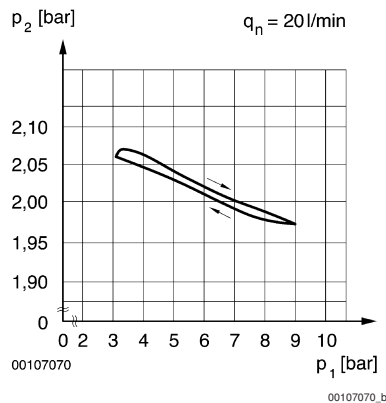
00119367

Version	Diaphragm-type pressure regulator With secondary air exhaust lockable regulator head can be assembled into blocks
Installation location	any
Working pressure min/max	-- / 16 bar
Ambient temperature min./max.	-10°C / +50°C
Blocked pressure gauge diameter max.	50 mm
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
Compressed air class	class 6-4-3
Internal air consumption qverl.	2,6 l/min
qverl. underlying secondary pressure	6 bar
ATEX	II 2G2D T4 X
materials:	
Housing	polyamide
Threaded bushing	Diecast zinc
Cover	acrylonitrile butadiene styrene plastic

	Port	Qn [l/min]	Secondary pressure range [bar]	Weight [kg]	Part No.
	G 1/4	2200	0,1 - 1	0,248	R412006160
	G 1/4	2200	0,1 - 2		R412006161
	G 1/4	2200	0,2 - 4		R412006162
	G 1/4	2200	0,5 - 8		R412006163
	G 1/4	2200	0,5 - 10		R412006164
	G 3/8	2700	0,1 - 1		R412006166
	G 3/8	2700	0,1 - 2		R412006167
	G 3/8	2700	0,2 - 4		R412006168
	G 3/8	2700	0,5 - 8		R412006169
	G 3/8	2700	0,5 - 10		R412006170

* nominal flow with secondary pressure 6 bar at Δp = 1 bar

pressure characteristics curve



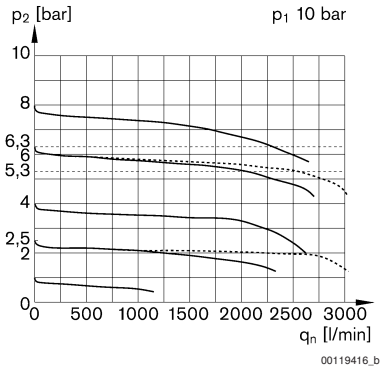
p1 = working pressure; p2 = secondary pressure; qn = nominal flow

Preparation of compressed air - FRL

★ Precision pressure regulator, series AS2-RGP-...-DS

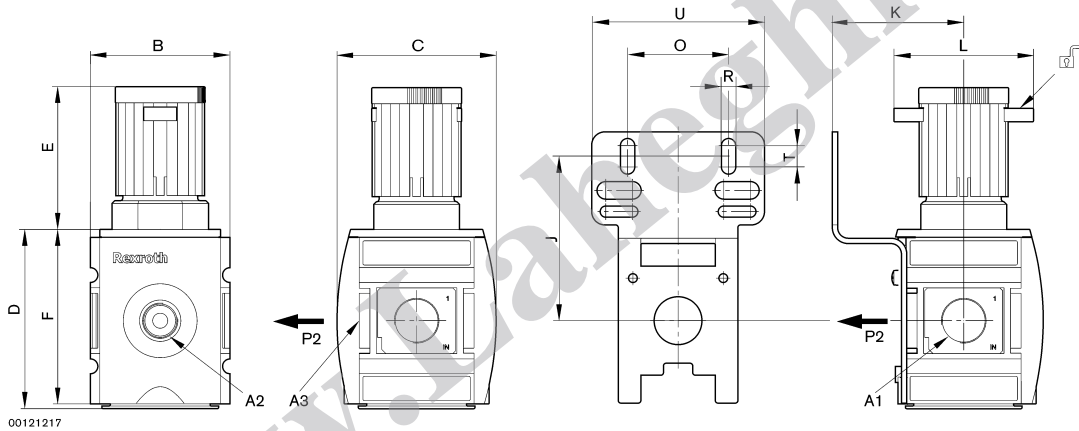
Qn = 2200 - 2700 l/min, with continuous pressure supply, suitable for ATEX

flow rate characteristic (p2: 0,5 - 8 bar)



p1 = working pressure; p2 = secondary pressure; qn = nominal flow

dimensioned drawing



p2 = secondary pressure

A1	A2	A3	B	C	D	E	F	J	K	L	O	R	T	U
G1/4	G1/4	G1/4	52	59	66.8	53.2	65	61.8	49.4	52	38	5.4	10	65
G3/8	G1/4	G3/8	52	59	66.8	53.2	65	61.8	49.4	52	38	5.4	10	65

Preparation of compressed air - FRL

★ Filter pressure regulator, series AS2-FRE
 filter size: 5 µm, suitable for ATEX



00119372

Controller version	Diaphragm-type pressure regulator
Installation location	vertical
Ambient temperature min./max.	-10 °C / +50 °C
Controller version	With secondary air exhaust lockable regulator head
Filter version	Filter insert exchangeable
Filter reservoir volume	28 cm ³
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
ATEX materials:	II 2G2D T4 X
Housing	polyamide
Threaded bushing	Diecast zinc
Cover	acrylonitrile butadiene styrene plastic
Filter insert	polyethylene
Protective guard	polyamide

	Port	Qn [l/min]	Operating pressure [bar]	Secondary pressure range [bar]	Condensate drain	Part No.
	G 1/4	2000	0,5 - 16	0,5 - 8	semi-automatic, opened without pressure	R412006200
			1,5 - 16	1,5 - 8	fully automatic, open without pressure	R412006201
			1,5 - 16	0 - 8	fully automatic, closed without pressure	R412006202
			0,5 - 16	0,5 - 8	semi-automatic, opened without pressure	R412006206
			1,5 - 16	1,5 - 8	fully automatic, open without pressure	R412006207
			1,5 - 16	0 - 8	fully automatic, closed without pressure	R412006208
	G 1/4	2000	0,5 - 16	0,5 - 8	semi-automatic, opened without pressure	R412006175
			1,5 - 16	1,5 - 8	fully automatic, open without pressure	R412006176
			1,5 - 16	0 - 8	fully automatic, closed without pressure	R412006177
			0,5 - 16	0,5 - 8	semi-automatic, opened without pressure	R412006181
			1,5 - 16	1,5 - 8	fully automatic, open without pressure	R412006182
			1,5 - 16	0 - 8	fully automatic, closed without pressure	R412006183
	G 3/8	2600	0,5 - 16	0,5 - 8	semi-automatic, opened without pressure	R412006209
			1,5 - 16	1,5 - 8	fully automatic, open without pressure	R412006210
			1,5 - 16	0 - 8	fully automatic, closed without pressure	R412006211
			0,5 - 16	0,5 - 8	semi-automatic, opened without pressure	R412006215
			1,5 - 16	1,5 - 8	fully automatic, open without pressure	R412006216
			1,5 - 16	0 - 8	fully automatic, closed without pressure	R412006217

★ core products - preferably for new constructions, stockpiling in Laatzen central warehouse, worldwide service

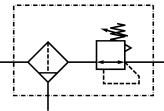
● service products - existing standard program, worldwide service

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Preparation of compressed air - FRL

* Filter pressure regulator, series AS2-FRE

filter size: 5 µm, suitable for ATEX

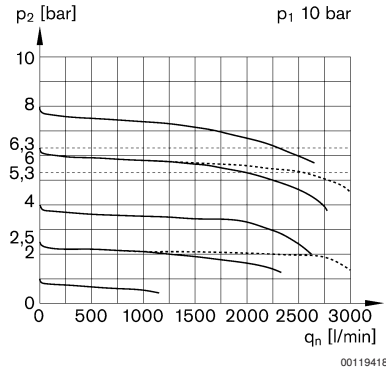
	Port	Qn [l/min]	Operating pressure [bar]	Secondary pressure range [bar]	Condensate drain	Part No.
	G 3/8	2600	0,5 - 16	0,5 - 8	semi-automatic, opened without pressure	R412006184
			1,5 - 16	1,5 - 8	fully automatic, open without pressure	R412006185
			1,5 - 16	0 - 8	fully automatic, closed without pressure	R412006186
			0,5 - 16	0,5 - 8	semi-automatic, opened without pressure	R412006190
			1,5 - 16	1,5 - 8	fully automatic, closed without pressure	R412006191
			1,5 - 16	0 - 8	fully automatic, open without pressure	R412006192
Part No.	Reservoir		Protective guard		Weight [kg]	
R412006200	Polycarbonate		polyamide		0,394	
R412006201	Polycarbonate		polyamide		0,437	
R412006202	Polycarbonate		polyamide		0,437	
R412006206	Diecast zinc		-		0,609	
R412006207	Diecast zinc		-		0,661	
R412006208	Diecast zinc		-		0,661	
R412006175	Polycarbonate		polyamide		0,304	
R412006176	Polycarbonate		polyamide		0,347	
R412006177	Polycarbonate		polyamide		0,347	
R412006181	Diecast zinc		-		0,537	
R412006182	Diecast zinc		-		0,66	
R412006183	Diecast zinc		-		0,589	
R412006209	Polycarbonate		polyamide		0,437	
R412006210	Polycarbonate		polyamide		0,437	
R412006211	Polycarbonate		polyamide		0,437	
R412006215	Diecast zinc		-		0,596	
R412006216	Diecast zinc		-		0,648	
R412006217	Diecast zinc		-		0,648	
R412006184	Polycarbonate		polyamide		0,347	
R412006185	Polycarbonate		polyamide		0,347	
R412006186	Polycarbonate		polyamide		0,347	
R412006190	Diecast zinc		-		0,523	
R412006191	Diecast zinc		-		0,655	
R412006192	Diecast zinc		-		0,575	

* nominal flow at $\Delta p = 1$ bar

Preparation of compressed air - FRL

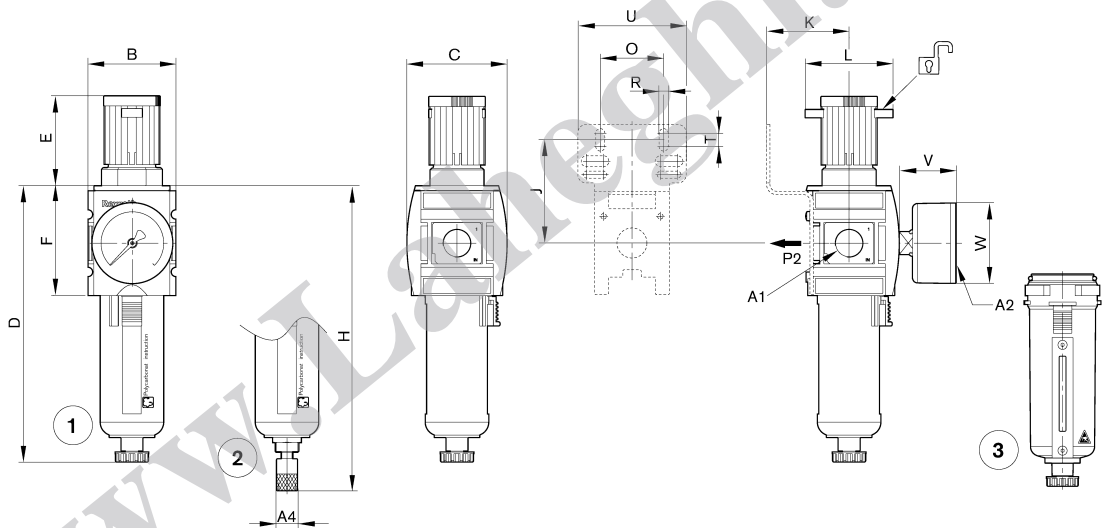
★ Filter pressure regulator, series AS2-FRE
 filter size: 5 µm, suitable for ATEX

flow rate characteristic



p1 = working pressure; p2 = secondary pressure; qn = nominal flow; q = flow rate

dimensioned drawing



00120281

- 1) semi-automatic condensate drain
- 2) fully automatic condensate drain
- 3) metal reservoir

A1	A2	A4	B	C	D	E	F	H	J	K	L	O	R	T
G1/4	G1/4	G1/8	52	59	163.5	57.9	65	180.5	61.8	49.4	52	38	5.4	10
G3/8	G1/4	G1/8	52	59	163.5	57.9	65	180.5	61.8	49.4	52	38	5.4	10
A1	U	V	W											
G1/4	65	35	50											
G3/8	65	35	50											

Preparation of compressed air - FRL

* Filter, series AS2-FLS

filter porosity: 40 µm, suitable for ATEX



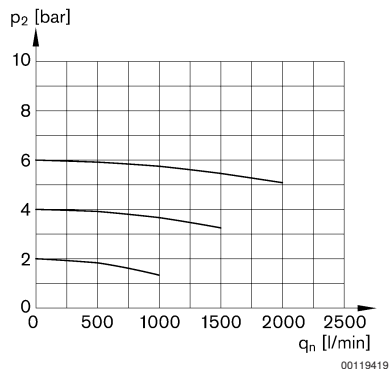
00119385

Ambient temperature min./max.	-10 °C / +50 °C
Installation location	vertical
Filter reservoir volume	28 cm ³
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
Compressed air class	class 6-4-3
ATEX	II 2G2D T4 X
materials:	
Housing	PA MXD6
Threaded bushing	Diecast zinc
Cover	acrylonitrile butadiene styrene plastic
Filter insert	polyethylene

	Port	Qn [l/min]	Operating pressure [bar]	Filter poro- sity [µm]	Condensate drain	Part No.
	G 1/4	2200	0,5 - 16	40	semi-automatic, opened without pressure	R412006003
	G 1/4	2200	1,5 - 16		fully automatic, open without pressure	R412006004
	G 1/4	2200	0 - 16		fully automatic, closed without pressure	R412006005
	G 3/8	2400	0,5 - 16		semi-automatic, opened without pressure	R412006012
	G 3/8	2400	1,5 - 16		fully automatic, open without pressure	R412006013
	G 3/8	2400	0 - 16		fully automatic, closed without pressure	R412006014
Part No.	Reservoir		Protective guard		Weight [kg]	
R412006003 R412006004 R412006005 R412006012 R412006013 R412006014	Polycarbonate		polyamide		0,212 0,255 0,255 0,212 0,255 0,255	

* nominal flow at $\Delta p = 1$ bar

flow rate characteristic



00119419

p1 = working pressure; p2 = secondary pressure; qn = nominal flow

* core products - preferably for new constructions, stockpiling in Laatzen central warehouse, worldwide service

● service products - existing standard program, worldwide service

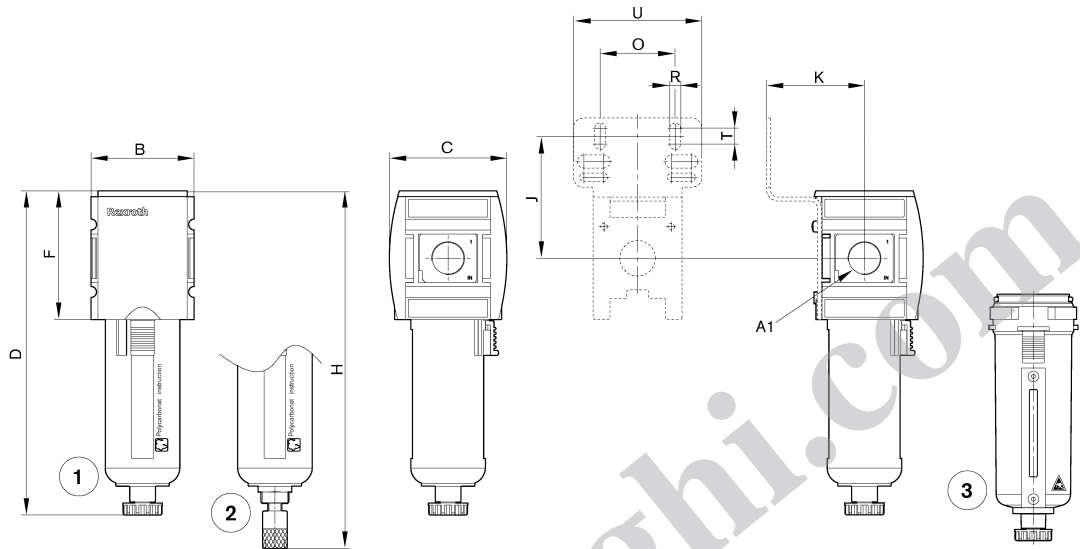
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Preparation of compressed air - FRL

★ Filter, series AS2-FLS

filter porosity: 40 µm, suitable for ATEX

dimensioned drawing



00120280

- 1) semi-automatic condensate drain
- 2) fully automatic condensate drain
- 3) metal reservoir

A1	B	C	D	F	H	J	K	O	R	T	U			
G1/4	52	59	163.5	65	180.5	61.8	49.4	38	5.4	10	65			
G3/8	52	59	163.5	65	180.5	61.8	49.4	38	5.4	10	65			

Preparation of compressed air - FRL

* Filter, series AS2-FLS

Qn = 2200 - 2400 l/min, filter porosity: 5 µm, suitable for ATEX



00119385

Ambient temperature min./max.	-10 °C / +50 °C
Installation location	vertical
Filter reservoir volume	28 cm ³
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
ATEX	II 2G2D T4 X
materials:	
Housing	
Threaded bushing	Diecast zinc
Cover	acrylonitrile butadiene styrene plastic
Filter insert	polyethylene

	Port	Qn [l/min]	Operating pressure [bar]	Condensate drain	Reservoir	Part No.
	G 1/4	2200	0,5 - 16	semi-automatic, opened without pressure	Polycarbonate	R412006000
	G 1/4	2200	1,5 - 16	fully automatic, open without pressure	Polycarbonate	R412006001
	G 1/4	2200	0 - 16	fully automatic, closed without pressure	Polycarbonate	R412006002
	G 1/4	2200	0,5 - 16	semi-automatic, opened without pressure	Diecast zinc	R412006006
	G 1/4	2200	1,5 - 16	fully automatic, open without pressure	Diecast zinc	R412006007
	G 1/4	2200	0 - 16	fully automatic, closed without pressure	Diecast zinc	R412006008
	G 3/8	2400	0,5 - 16	semi-automatic, opened without pressure	Polycarbonate	R412006009
	G 3/8	2400	1,5 - 16	fully automatic, open without pressure	Polycarbonate	R412006010
	G 3/8	2400	0 - 16	fully automatic, closed without pressure	Polycarbonate	R412006011
	G 3/8	2400	0,5 - 16	semi-automatic, opened without pressure	Diecast zinc	R412006015
	G 3/8	2400	1,5 - 16	fully automatic, open without pressure	Diecast zinc	R412006016
	G 3/8	2400	0 - 16	fully automatic, closed without pressure	die-cast zinc, painted	R412006017
Part No.	Protective guard			Weight [kg]		
R412006000	polyamide			0,212		
R412006001	polyamide			0,255		
R412006002	polyamide			0,255		
R412006006	-			0,443		
R412006007	-			0,52		
R412006008	-			0,53		
R412006009	polyamide			0,212		
R412006010	polyamide			0,255		
R412006011	polyamide			0,255		
R412006015	-			0,43		
R412006016	-			0,52		
R412006017	-			0,51		

* nominal flow with secondary pressure 6 bar at $\Delta p = 1$ bar

* core products - preferably for new constructions, stockpiling in Laatzen central warehouse, worldwide service

● service products - existing standard program, worldwide service

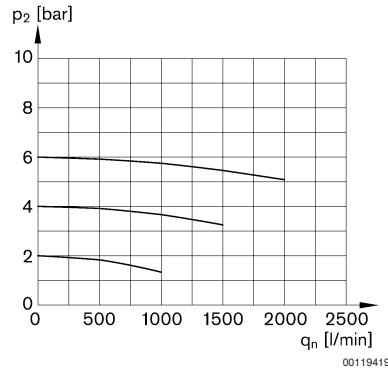
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Preparation of compressed air - FRL

★ Filter, series AS2-FLS

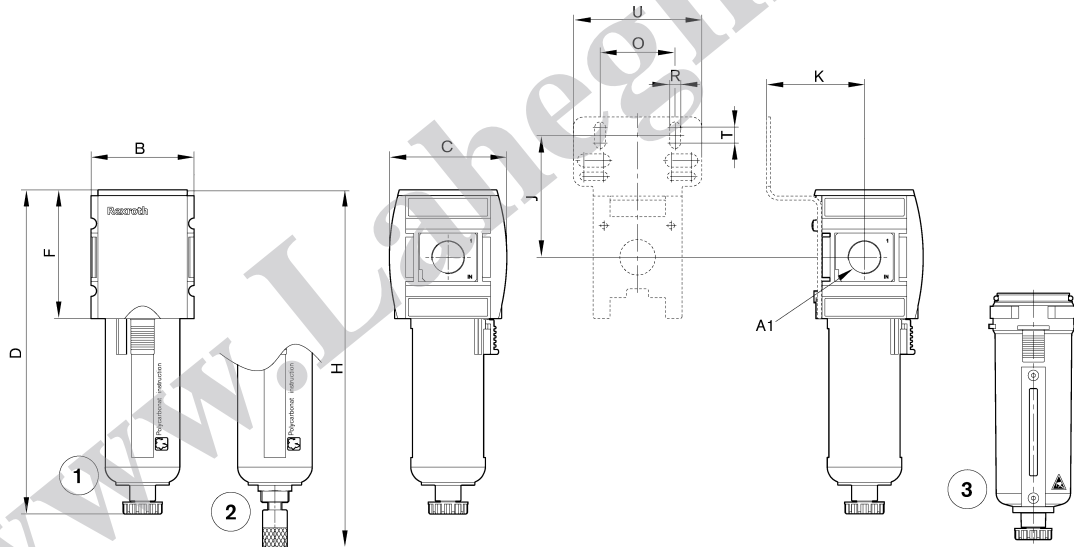
Qn = 2200 - 2400 l/min, filter porosity: 5 µm, suitable for ATEX

flow rate characteristic



p2 = secondary pressure qn = nominal flow

dimensioned drawing



- 1) semi-automatic condensate drain
- 2) fully automatic condensate drain
- 3) metal reservoir

00120280

A1	B	C	D	F	H	J	K	O	R	T	U			
G1/4	52	59	163.5	65	180.5	61.8	49.4	38	5.4	10	65			
G3/8	52	59	163.5	65	180.5	61.8	49.4	38	5.4	10	65			

Preparation of compressed air - FRL

* Pre-filter, series AS2-FLP

filter porosity: 0.3 µm, suitable for ATEX



00119385

Ambient temperature min./max.	-10 °C / +50 °C
Installation location	vertical
Filter reservoir volume	12 cm ³
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
ATEX	II 2G2D T4 X
materials:	
Housing	polyamide
Threaded bushing	Diecast zinc
Cover	acrylonitrile butadiene styrene plastic
Filter insert	polyethylene

	Port	Qn [l/min]	Operating pressure [bar]	Condensate drain	Reservoir	Part No.
	G 1/4	250	0,5 - 16	semi-automatic, opened without pressure	Polycarbonate	R412006018
	G 1/4		1,5 - 16	fully automatic, open without pressure	Polycarbonate	R412006019
	G 1/4		0 - 16	fully automatic, closed without pressure	Polycarbonate	R412006020
	G 1/4		0,5 - 16	semi-automatic, opened without pressure	Diecast zinc	R412006024
	G 1/4		1,5 - 16	fully automatic, open without pressure	Diecast zinc	R412006025
	G 1/4		0 - 16	fully automatic, closed without pressure	Diecast zinc	R412006026
	G 3/8		0,5 - 16	semi-automatic, opened without pressure	Polycarbonate	R412006027
	G 3/8		1,5 - 16	fully automatic, open without pressure	Polycarbonate	R412006028
	G 3/8		0 - 16	fully automatic, closed without pressure	Polycarbonate	R412006029
	G 3/8		0,5 - 16	semi-automatic, opened without pressure	die-cast zinc, painted	R412006033
	G 3/8		1,5 - 16	fully automatic, open without pressure	die-cast zinc, painted	R412006034
	G 3/8		0 - 16	fully automatic, closed without pressure	die-cast zinc, painted	R412006035
Part No.	Protective guard			Weight [kg]		
R412006018	polyamide			0,22		
R412006019	polyamide			0,263		
R412006020	polyamide			0,263		
R412006024	-			0,484		
R412006025	-			0,53		
R412006026	-			0,53		
R412006027	polyamide			0,263		
R412006028	polyamide			0,263		
R412006029	polyamide			0,263		
R412006033	-			0,47		
R412006034	-			0,525		
R412006035	-			0,525		

nominal flow with secondary pressure 7 bar at $\Delta p = 0,02$ bar

* core products - preferably for new constructions, stockpiling in Laatzen central warehouse, worldwide service

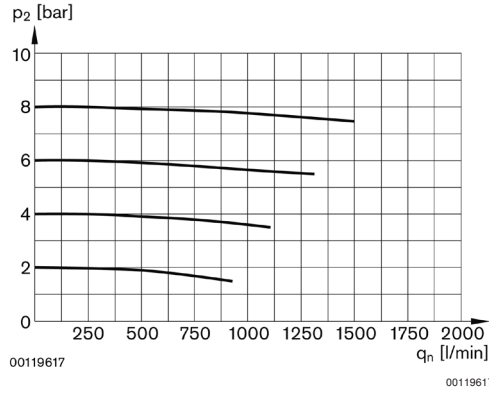
● service products - existing standard program, worldwide service

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Preparation of compressed air - FRL

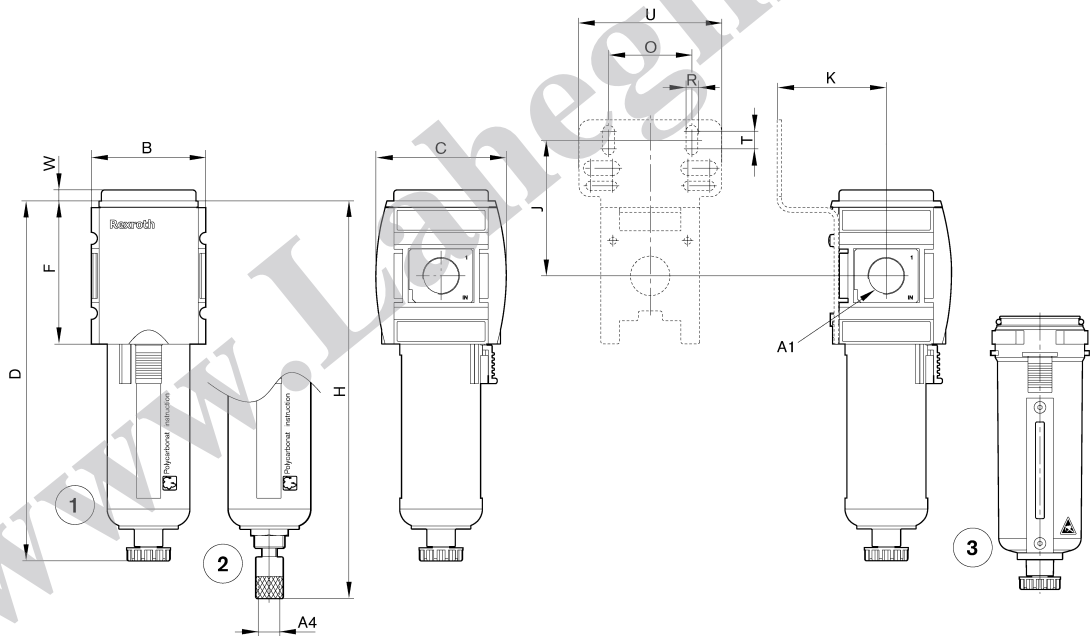
★ Pre-filter, series AS2-FLP
 filter porosity: 0.3 µm, suitable for ATEX

flow rate characteristic



p2 = secondary pressure qn = nominal flow

dimensioned drawing



- 1) semi-automatic condensate drain
- 2) fully automatic condensate drain
- 3) metal reservoir

00121213

A1	A4	B	C	D	F	H	J	K	O	R	T	U	W
G1/4	G1/8	52	59	163.5	65	180.5	61.8	49.4	38	5.4	10	65	5
G3/8	G1/8	52	59	163.5	65	180.5	61.8	49.4	38	5.4	10	65	5

★ core products - preferably for new constructions, stockpiling in Laatzen central warehouse, worldwide service
 ● service products - existing standard program, worldwide service
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Preparation of compressed air - FRL

★ Microfilter, series AS2-FLC

filter porosity: 0.01 µm, ATEX



00119385

Ambient temperature min./max.	-10 °C / +50 °C
Installation location	vertical
Filter reservoir volume	12 cm³
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
	II 2G2D EX IIA T4 -10 °C ≤ Ta ≤ 50 °C
ATEX	
materials:	
Housing	polyamide
Threaded bushing	Diecast zinc
Cover	acrylonitrile butadiene styrene plastic
Filter insert	borosilicate glass fiber

	Port	Qn [l/min]	Operating pressure [bar]	Condensate drain	Reservoir	Part No.
	G 1/4	280	0,5 - 16	semi-automatic, opened without pressure	Polycarbonate	R412006036
	G 1/4		1,5 - 16	fully automatic, open without pressure	Polycarbonate	R412006037
	G 1/4		0 - 16	fully automatic, closed without pressure	Polycarbonate	R412006038
	G 1/4		0,5 - 16	semi-automatic, opened without pressure	die-cast zinc, painted	R412006042
	G 1/4		1,5 - 16	fully automatic, open without pressure	die-cast zinc, painted	R412006043
	G 1/4		0 - 16	fully automatic, closed without pressure	die-cast zinc, painted	R412006044
	G 3/8		0,5 - 16	semi-automatic, opened without pressure	Polycarbonate	R412006045
	G 3/8		1,5 - 16	fully automatic, open without pressure	Polycarbonate	R412006046
	G 3/8		0 - 16	fully automatic, closed without pressure	Polycarbonate	R412006047
	G 3/8		0,5 - 16	semi-automatic, opened without pressure	die-cast zinc, painted	R412006051
	G 3/8		1,5 - 16	fully automatic, open without pressure	die-cast zinc, painted	R412006052
	G 3/8		8 - 16	fully automatic, closed without pressure	die-cast zinc, painted	R412006053
	Part No.		Protective guard			Weight [kg]
R412006036	polyamide			0,22		
R412006037	polyamide			0,263		
R412006038	polyamide			0,263		
R412006042	-			0,482		
R412006043	-			0,565		
R412006044	-			0,56		
R412006045	polyamide			0,22		
R412006046	polyamide			0,263		
R412006047	polyamide			0,263		
R412006051	-			0,471		
R412006052	-			0,545		
R412006053	-			0,55		

nominal flow with secondary pressure 7 bar at $\Delta p = 0,09$ bar

★ core products - preferably for new constructions, stockpiling in Laatzen central warehouse, worldwide service

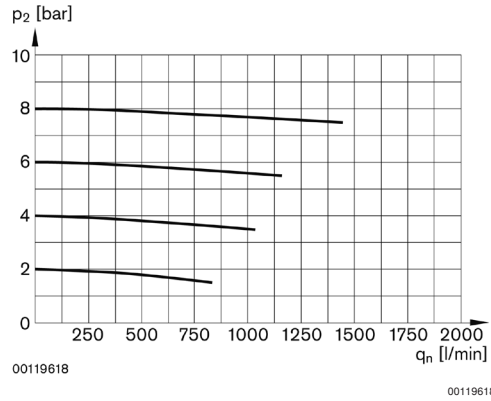
● service products - existing standard program, worldwide service

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Preparation of compressed air - FRL

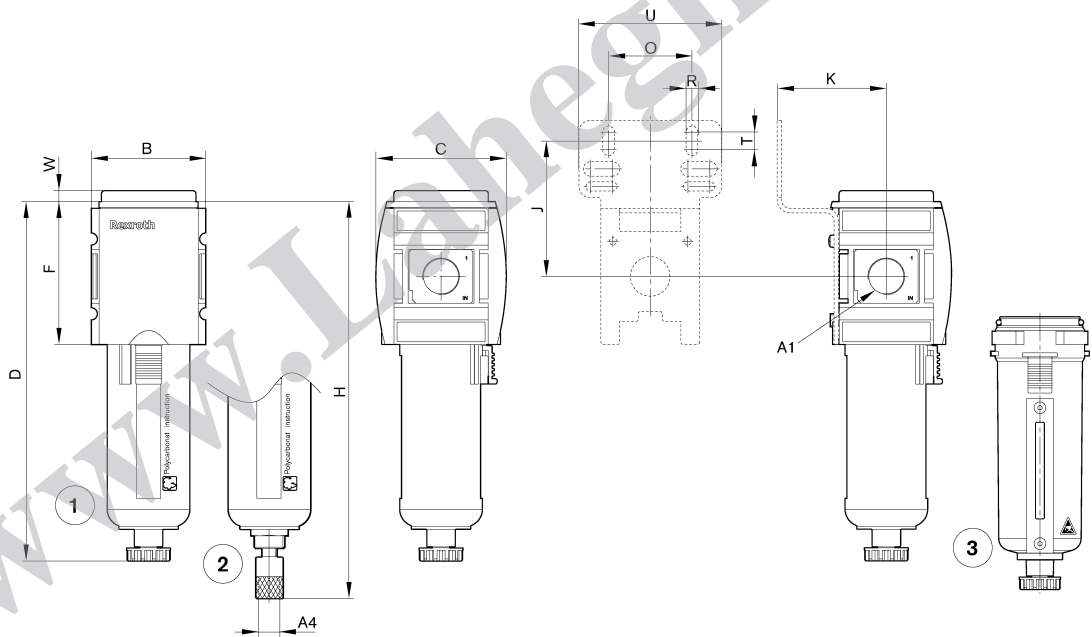
★ Microfilter, series AS2-FLC
 filter porosity: 0.01 µm, ATEX

flow rate characteristic



p2 = secondary pressure qn = nominal flow

dimensioned drawing



- 1) semi-automatic condensate drain
- 2) fully automatic condensate drain
- 3) metal reservoir

00121213_a

Preparation of compressed air - FRL

★ Microfilter, series AS2-FLC

filter porosity: 0.01 µm, suitable for ATEX



00119623

Ambient temperature min./max.	-10 °C / +50 °C
Installation location	vertical
Filter reservoir volume	12 cm ³
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
Compressed air class	class 6-4-3
ATEX	II 2G2D T4 X
materials:	
Housing	polyamide
Threaded bushing	Diecast zinc
Cover	acrylonitrile butadiene styrene plastic

	Port	Qn [l/min]	Operating pressure [bar]	Filter poro- sity [µm]	Condensate drain	Part No.
	G 1/4	280	0,5 - 16	0,01	semi-automatic, opened without pressure	R412006054
	G 1/4		1,5 - 16		fully automatic, open without pressure	R412006055
	G 1/4		0 - 16		fully automatic, closed without pressure	R412006056
	G 1/4		0,5 - 16		semi-automatic, opened without pressure	R412006060
	G 1/4		1,5 - 16		fully automatic, open without pressure	R412006061
	G 1/4		0 - 16		fully automatic, closed without pressure	R412006062
	G 3/8		0,5 - 16		semi-automatic, opened without pressure	R412006063
	G 3/8		1,5 - 16		fully automatic, open without pressure	R412006064
	G 3/8		0 - 16		fully automatic, closed without pressure	R412006065
	G 3/8		0,5 - 16		semi-automatic, opened without pressure	R412006069
	G 3/8		1,5 - 16		fully automatic, open without pressure	R412006070
	G 3/8		0 - 16		fully automatic, closed without pressure	R412006071
Part No.	Reservoir	Protective guard	Protective guard	Weight [kg]		
R412006054	Polycarbonate		+	0,22		
R412006055		-	0,263			
R412006056		-	0,263			
R412006060		-	0,485			
R412006061		-	0,564			
R412006062		polyamide	-	0,569		
R412006063		-	-	0,22		
R412006064		-	-	0,263		
R412006065		-	-	0,263		
R412006069		-	-	0,474		
R412006070		-	-	0,554		
R412006071		-	-	0,559		

* p1 = 7 bar

nominal flow at Δp = 0.09 bar

Reservoir: polycarbonate, with protective guard without contamination display

★ core products - preferably for new constructions, stockpiling in Laatzen central warehouse, worldwide service

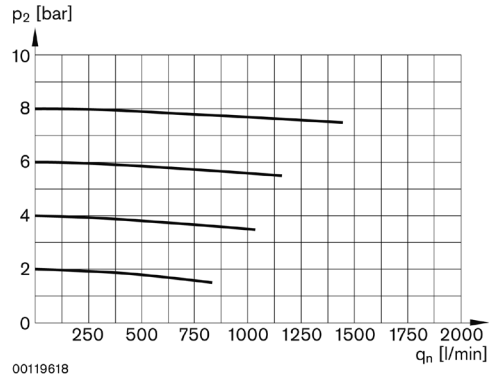
● service products - existing standard program, worldwide service

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Preparation of compressed air - FRL

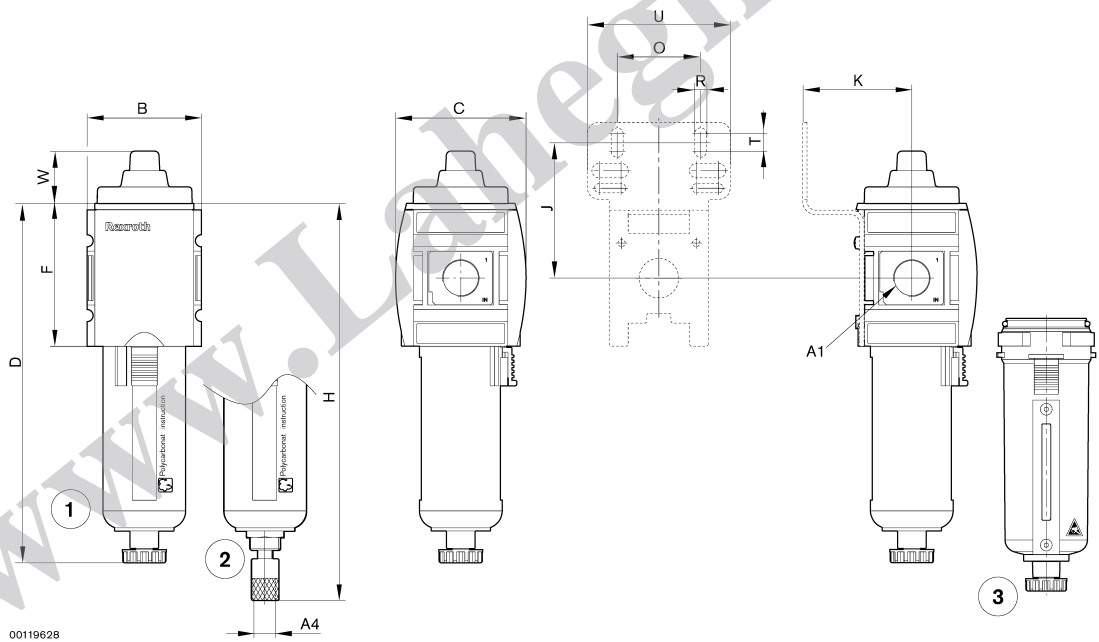
★ **Microfilter, series AS2-FLC**
 filter porosity: 0.01 µm, suitable for ATEX

flow rate characteristic



p2 = secondary pressure qn = nominal flow

dimensioned drawing



- 1) semi-automatic condensate drain
- 2) fully automatic condensate drain
- 3) metal reservoir

A1	A4	B	C	D	F	H	J	K	O	R	T	U	W
G 1/4	G 1/8	52	59	163.5	65	180.5	61.8	49.4	38	5.4	10	65	24
G 3/8	G 1/8	52	59	163.5	65	180.5	61.8	49.4	38	5.4	10	65	24

Preparation of compressed air - FRL

* Active carbon filter, series AS2-FLA suitable for ATEX



00121762

Ambient temperature min./max.	-10 °C / +50 °C
Installation location	vertical
Filter reservoir volume	12 cm ³
ATEX	II 2G2D T4 X
materials:	
Housing	polyamide
Threaded bushing	Diecast zinc
Cover	acrylonitrile butadiene styrene plastic
Filter insert	active carbon

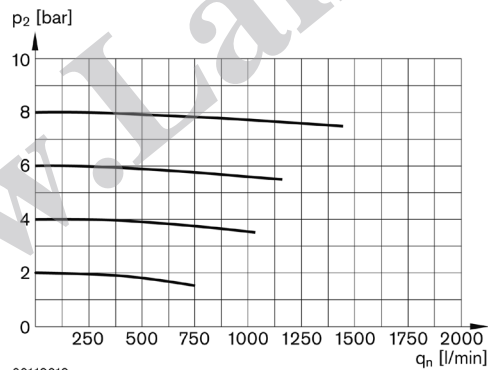
	Port	Qn [l/min]	Operating pressure [bar]	Reservoir	Protective guard	Weight [kg]	Part No.
	G 1/4	500	0 - 16	Polycarbonate	polyamide	0,22	R412006072
	G 3/8			Diecast zinc	-	0,454	R412006074
	G 3/8			Polycarbonate	polyamide	0,22	R412006075
	G 3/8			Diecast zinc	-	0,44	R412006077

nominal flow with secondary pressure 7 bar at $\Delta p = 0,2$ bar

Note:

Add microfilter at all costs

flow rate characteristic



00119619

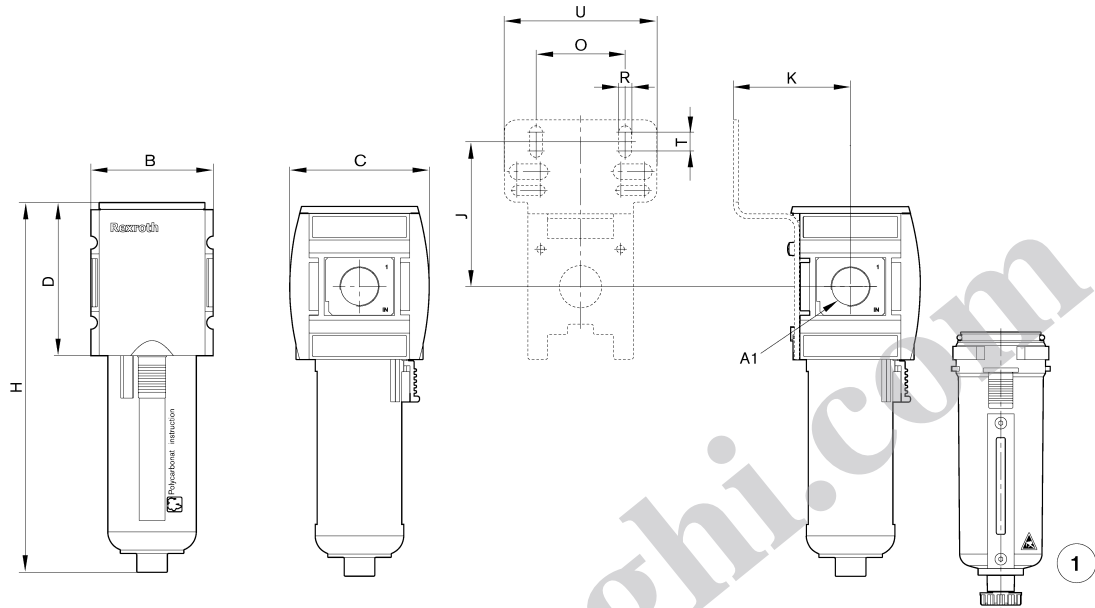
00119619

p₂ = secondary pressure q_n = nominal flow

Preparation of compressed air - FRL

★ Active carbon filter, series AS2-FLA suitable for ATEX

dimensioned drawing



00121210

1) with metal reservoir

A1	B	C	D	H	J	K	O	R	T	U			
G 1/4	52	59	65	157	61.8	49.5	38	5.4	10	65			
G 3/8	52	59	65	157	61.8	49.5	38	5.4	10	65			

Preparation of compressed air - FRL

★ Standard oil-mist lubricator, series AS2-LBS

Qn = 2800 - 3100 l/min, ATEX



00121761

Ambient temperature min./max.
Medium

-10 °C / +50 °C

compressed air acc. to ISO 8573-1: 2001
dry air

Compressed air class

class 6-4-3

Type of filling

semi-automatic oil filling during operation

Installation location

vertical

Reservoir volume

40 cm³

Oil type

HL 68 (DIN 51 524 - ISO VG 68)

ATEX

II 2G2D -10 °C ≤ Ta ≤ 50 °C

materials:

Housing

polyamide

Threaded bushing

Diecast zinc

Cover

acrylonitrile butadiene styrene plastic

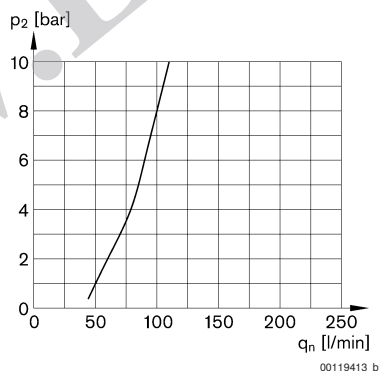
	Port	Qn [l/ min]	Operating pressure [bar]	Electrical level indi- cator	Reservoir	Protective guard	Weight [kg]	Note	Part No.
	G 1/4	2800	0,5 - 16	-	Polycarbonate	polyamide	0,229	-	R412006225
	G 1/4	2800		+	Polycarbonate	polyamide		1)	R412006226
	G 1/4	2800		-	Diecast zinc	-		-	R412006229
	G 3/8	3100		-	Polycarbonate	polyamide		-	R412006231
	G 3/8	3100		+	Polycarbonate	polyamide		1)	R412006232
	G 3/8	3100		-	Diecast zinc	-		-	R412006235

Reservoir: polycarbonate, with electrical level indicator

1) for sensor, series ST6

nominal flow with secondary pressure 6 bar at Δp = 1 bar

lubricator activation margin



p2 = secondary pressure qn = nominal flow

★ core products - preferably for new constructions, stockpiling in Laatzen central warehouse, worldwide service

● service products - existing standard program, worldwide service

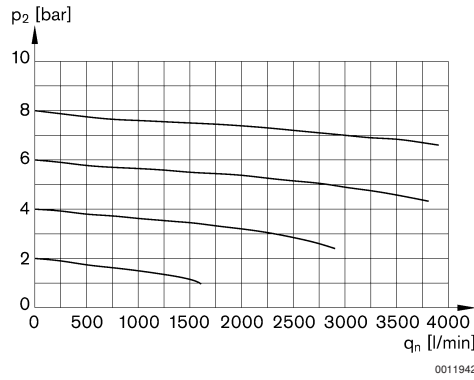
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Preparation of compressed air - FRL

★ Standard oil-mist lubricator, series AS2-LBS

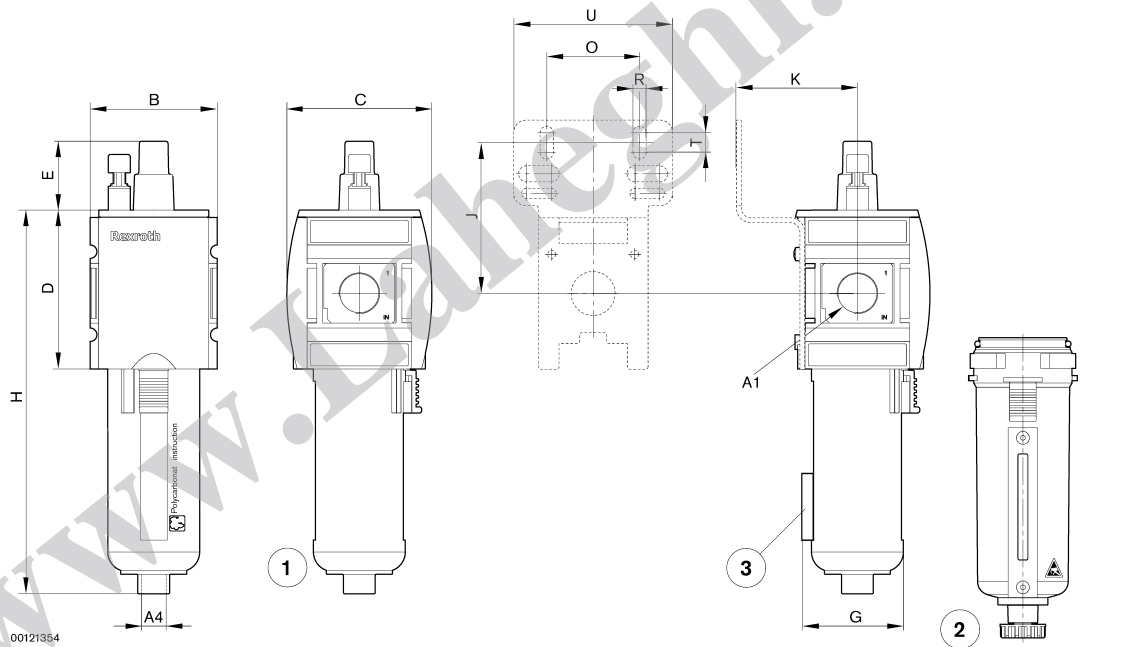
Qn = 2800 - 3100 l/min, ATEX

flow rate characteristic



p2 = secondary pressure qn = nominal flow

dimensioned drawing



- 1) Reservoir: polycarbonate, with protective guard
- 2) metal reservoir
- 3) Sensor holder

A1	A4	B	C	D	E	H	J	K	O	R	T	U		
G1/4	G1/8	52	59	65	28.2	157	61.8	49.4	38	5.4	10	65		
G3/8	G1/8	52	59	65	28.2	157	61.8	49.4	38	5.4	10	65		

Preparation of compressed air - FRL

* Filling unit, series AS2-SSU

Qn = 1400 - 1600 l/min, electrically operated, adjustable filling



00119381

Version	poppet valve
Working pressure min/max	2.5 / 10 bar
Ambient temperature min./max.	-10°C / +50°C
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
Compressed air class	class 6-4-3
Protection class according to EN 60529:2000, with electrical connector	IP65
Duty cycle ED	100%
materials:	
Housing	polyamide
Cover	acrylonitrile butadiene styrene plastic
Threaded bushing	Diecast zinc

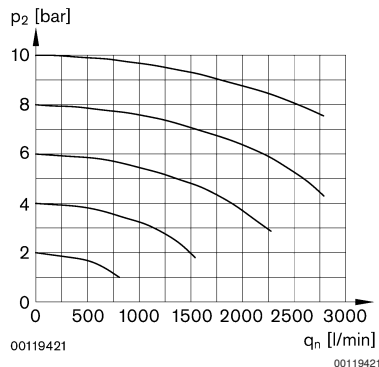
Power consumption at 24 V DC	Switch-on power at 230V 50 Hz AC	Holding power at 230V 50 Hz AC
W	VA	VA
2	2,2	1,6

	Port	Qn [l/min]	Weight [kg]	Note	Part No.
	G 1/4	1400	0,424	-	R412006278
	G 1/4	1400		-	R412006279
	G 1/4	1400		-	R412006280
	G1/4	1400		1)	R412006277
	G 3/8	1600		-	R412006283
	G 3/8	1600		-	R412006284
	G 3/8	1600		-	R412006285
	G 3/8	1600		1)	R412006282
	G 3/8	1600		2)	R412006286
	G 3/8	1600		2)	R412006287

* Nominal flow Qn at 6.3 bar and $\Delta p = 1$ bar.

1) Basic valve without pilot valve, series DO16

flow rate characteristic



p2 = secondary pressure qn = nominal flow

* core products - preferably for new constructions, stockpiling in Laatzen central warehouse, worldwide service

● service products - existing standard program, worldwide service

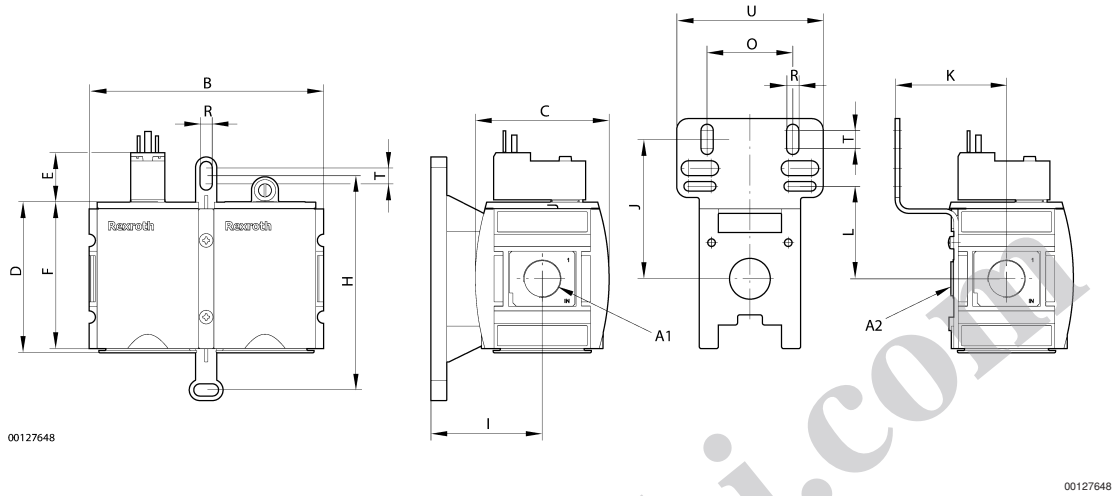
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Preparation of compressed air - FRL

★ Filling unit, series AS2-SSU

Qn = 1400 - 1600 l/min, electrically operated, adjustable filling

dimensioned drawing



A1	A2	B	C	D	E	F	H	I	J	K	O	R	T	U
G 1/4	G 1/8	104	59	67	23.2	65	91.5	49.4	61.8	49.4	38	5.4	10	65
G 3/8	G 1/8	104	59	67	23.2	65	91.5	49.4	61.8	49.4	38	5.4	10	65

Preparation of compressed air - FRL

* Filling unit, series AS2-SSU

$Q_n = 1400$ l/min, adjustable filling, suitable for ATEX, pneumatically operated



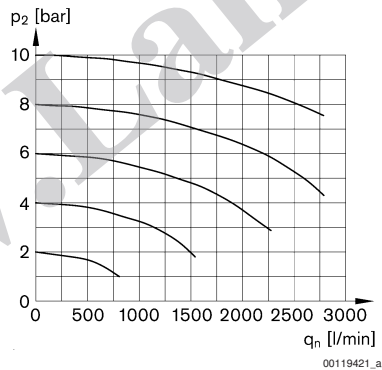
00119379

Version	poppet valve
Working pressure min/max	2.5 / 10 bar
Ambient temperature min./max.	-10°C / +50°C
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
Compressed air class	class 6-4-3
ATEX	II 2G2D T4 X
materials:	
Housing	polyamide
Cover	acrylonitrile butadiene styrene plastic
Thread connection	Diecast zinc

	Working pressure min/max [bar]	Flow [l/min]	Port	Weight [kg]	Part No.
	0 / 10	1400	G 1/4	0,424	R412006276
			G 3/8		R412006281

Nominal flow Q_n at 6.3 bar and $\Delta p = 1$ bar.

flow rate characteristic



00119421_a

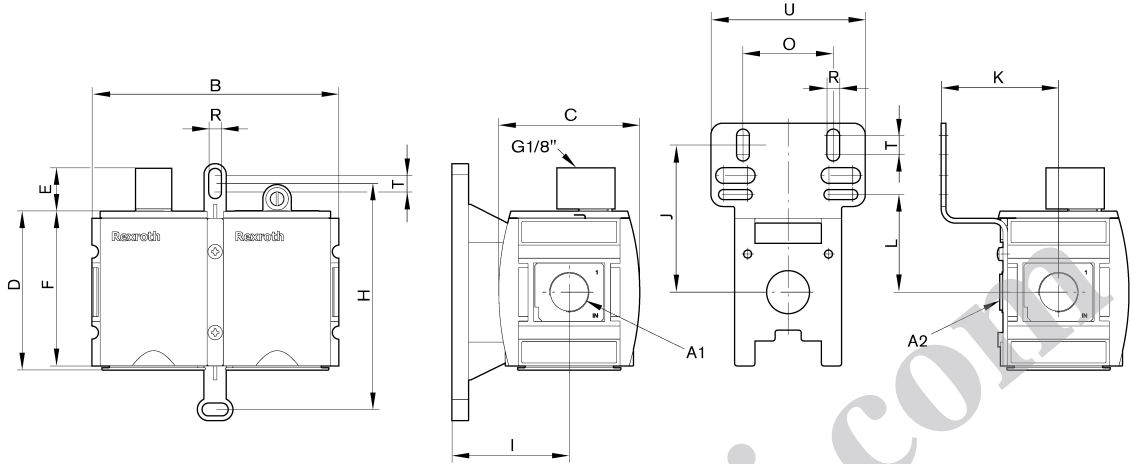
p_2 = secondary pressure q_n = nominal flow

Preparation of compressed air - FRL

★ Filling unit, series AS2-SSU

Qn = 1400 l/min, adjustable filling, suitable for ATEX, pneumatically operated

dimensioned drawing



00127689_m

1) pilot valve

A1	A2	B	C	D	E	F	H	I	J	K	L	O	R	T
G1/4	G1/4	104	59	66.8	21.9	65	95	49.4	61.8	49.4	41	38	5.4	8
G3/8	G1/4	104	59	66.8	21.9	65	95	49.4	61.8	49.4	41	38	5.4	8
A1	U													
G1/4	65													
G3/8	65													

Preparation of compressed air - FRL

★ **3/2-way valve, Series AS2-SOV**
electrically operated



00119378

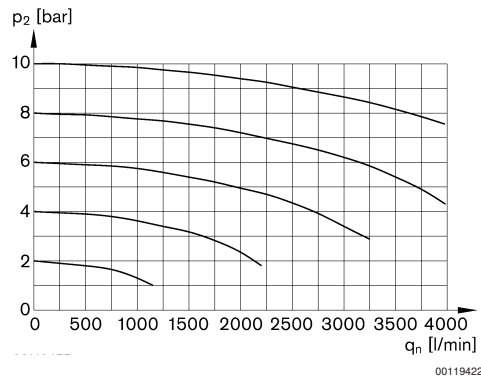
Version	poppet valve
Working pressure min/max	0 / 10 bar
Ambient temperature min./max.	-10 °C / +50 °C
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
Compressed air class	class 6-4-3
Protection class according to EN 60529:2000, with electrical connector	IP65
Duty cycle ED	100%
materials:	
Housing	polyamide
Seal	acrylonitrile butadiene styrene plastic
Threaded bushing	Diecast zinc

Power consumption at 24 V DC	Switch-on power at 230V 50 Hz AC	Holding power at 230V 50 Hz AC
W	VA	VA
2	2,2	1,6

	Port	Operating voltage	Qn [l/min]	Weight [kg]	Note	Part No.
	G 1/4	-	1800	0,219	1)	R412006264
	G 3/8	-	2000		1)	R412006268
	G 1/4	24 V DC	1800		-	R412006265
	G 3/8	24 V DC	2000		-	R412006269
	G 1/4	110 V AC 50/60 Hz	1800		-	R412006266
	G 3/8	110 V AC 50/60 Hz	2000		-	R412006270
	G 1/4	230 V AC 50/60 Hz	1800		-	R412006267
	G 3/8	230 V AC 50/60 Hz	2000		-	R412006271

1) Basic valve without pilot valve DO16
Nominal flow Qn at 6 bar and $\Delta p = 1$ bar

flow rate characteristic



p₂ = secondary pressure q_n = nominal flow

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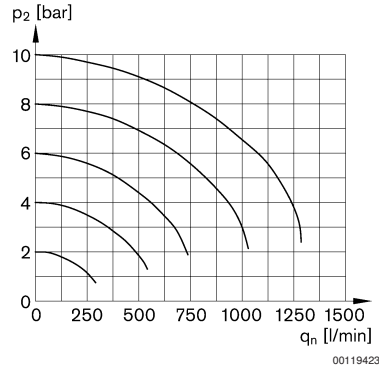
● service products - existing standard program, worldwide service

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Preparation of compressed air - FRL

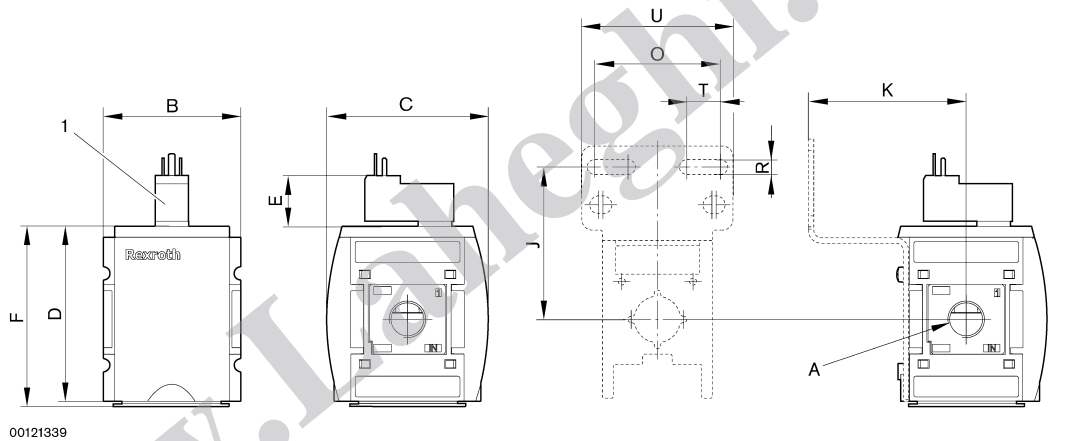
★ 3/2-way valve, Series AS2-SOV
electrically operated

rear exhaust



p2 = secondary pressure qn = nominal flow

drawing



1) pilot valve

A	B	C	D	E	F	J	K	O	R	T	U			
G1/4	52	59	65	21.9	67	61.8	49.4	38	5.4	10	65			
G3/8	52	59	65	21.9	67	61.8	49.4	38	5.4	10	65			

* exhaust

Preparation of compressed air - FRL

★ **3/2-way valve, series AS2-SOV**
pneumatically operated, suitable for ATEX



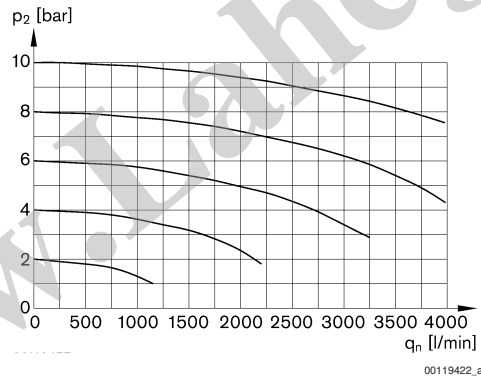
00119377

Version	poppet valve
Working pressure min/max	0 / 10 bar
Ambient temperature min./max.	-10°C / +50°C
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
Compressed air class	class 6-4-3
ATEX	II 2G2D T4 X
materials:	
Housing	polyamide
Cover	acrylonitrile butadiene styrene plastic
Thread connection	Diecast zinc

	Working pressure min/max [bar]	Flow [l/min]	Port	Weight [kg]	Part No.
	0 / 10	1800	G 1/4	0,219	R412006262
		2000	G 3/8		R412006263

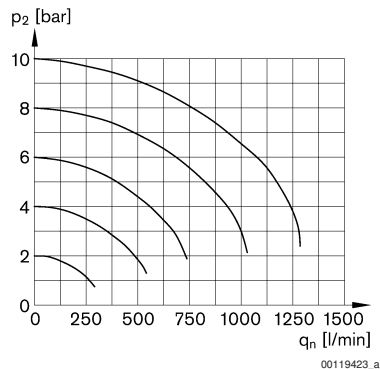
* Nominal flow Q_n at 6.3 bar and $\Delta p = 1$ bar.

flow rate characteristic



p_2 = secondary pressure q_n = nominal flow

rear exhaust



p_2 = secondary pressure q_n = nominal flow

★ core products - preferably for new constructions, stockpiling in Laatzen central warehouse, worldwide service

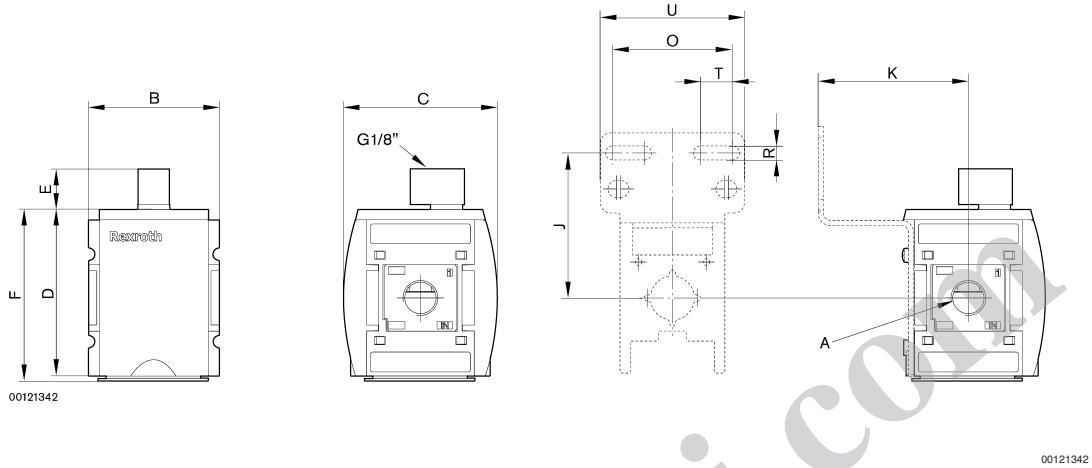
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Preparation of compressed air - FRL

★ 3/2-way valve, series AS2-SOV
pneumatically operated, suitable for ATEX

drawing



A	B	C	D	E	F	J	K	O	R	T	U			
G 1/4	52	59	65	17	67	61.8	49.4	38	5.4	10	65			
G 3/8	52	59	65	17	67	61.8	49.4	38	5.4	10	65			

* exhaust

Preparation of compressed air - FRL

★ 3/2-shut-off valve (ball valve), series AS2-BAV

Qn = 3000 l/min, Mechanical, lockable version for padlock, suitable for ATEX



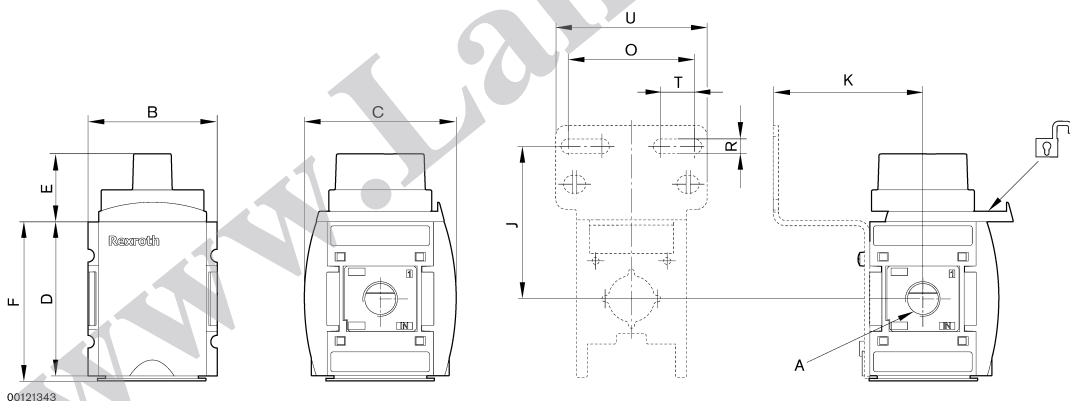
00119374

Working pressure min/max	-- / 16 bar
Ambient temperature min./max.	-10°C / +50°C
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
Compressed air class	class 6-4-3
ATEX	II 2G2D T4 X
materials:	
Housing	polyamide
Threaded bushing	Diecast zinc
Cover	acrylonitrile butadiene caoutchouc

	Thread connection	Flow [l/min]	Locking base	Weight [kg]	Part No.
	G 1/4	3000	metal	0,206	R412006256
	G 3/8		metal		R412006257
	G 1/4		acrylonitrile butadiene styrene plastic		R412006260
	G 3/8		acrylonitrile butadiene styrene plastic		R412006261

* Nominal flow Qn at 6 bar and $\Delta p = 1$ bar

dimensioned drawing



00121343

00121343

A	B	C	D	E	F	J	K	O	R	T	U			
G1/4	52	59	63.8	23.5	62	61.8	49.4	38	5.4	10	65			
G3/8	52	59	63.8	23.5	62	61.8	49.4	38	5.4	10	65			

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● service products - existing standard program, worldwide service

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Preparation of compressed air - FRL

★ Filling valve, series AS2-SSV adjustable filling, suitable for ATEX



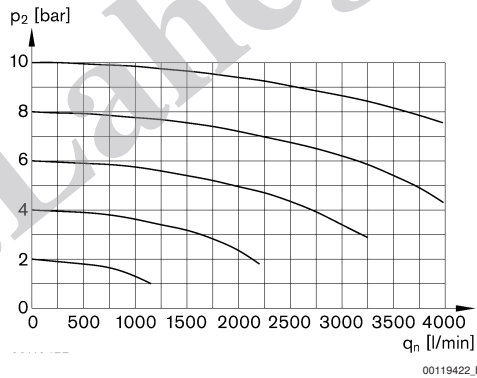
00119380

Version	poppet valve
Working pressure min/max	2.5 / 16 bar
Ambient temperature min./max.	-10°C / +50°C
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
Compressed air class	class 6-4-3
ATEX	II 2G2D T4 X
materials:	
Housing	polyamide
Threaded bushing	Diecast zinc
Cover	acrylonitrile butadiene styrene plastic

	Thread connection	Qn 1 -> 2 [l/min]	Flow [l/min]	Weight [kg]	Part No.
	G 1/4	2300	2300	0,203	R412006272
	G 3/8				R412006273

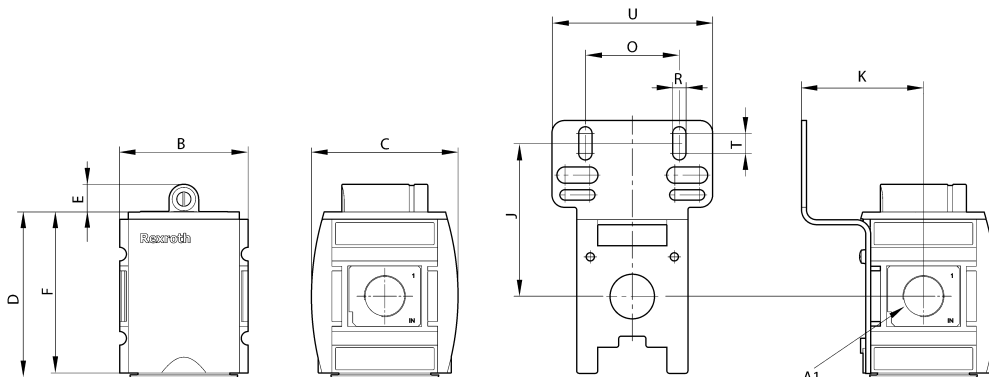
Nominal flow Qn at 6 bar and Δp = 1 bar
 1) adjustable filling

flow rate characteristic



p2 = secondary pressure qn = nominal flow

dimensioned drawing



00120279

00127661

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 ● service products - existing standard program, worldwide service
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Preparation of compressed air - FRL

★ **Filling valve, series AS2-SSV**
adjustable filling, suitable for ATEX

A	B	C	D	E	F	J	K	O	R	T	U			
G1/4	52	59	66.8	11.2	65	40.5	49.4	30	5.4	10	45			
G3/8	52	59	66.8	11.2	65	40.5	49.4	30	5.4	10	45			

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Preparation of compressed air - FRL

*** Distributor, series AS2-DIS**

Qn = 900 - 3600 l/min, 3x, suitable for ATEX



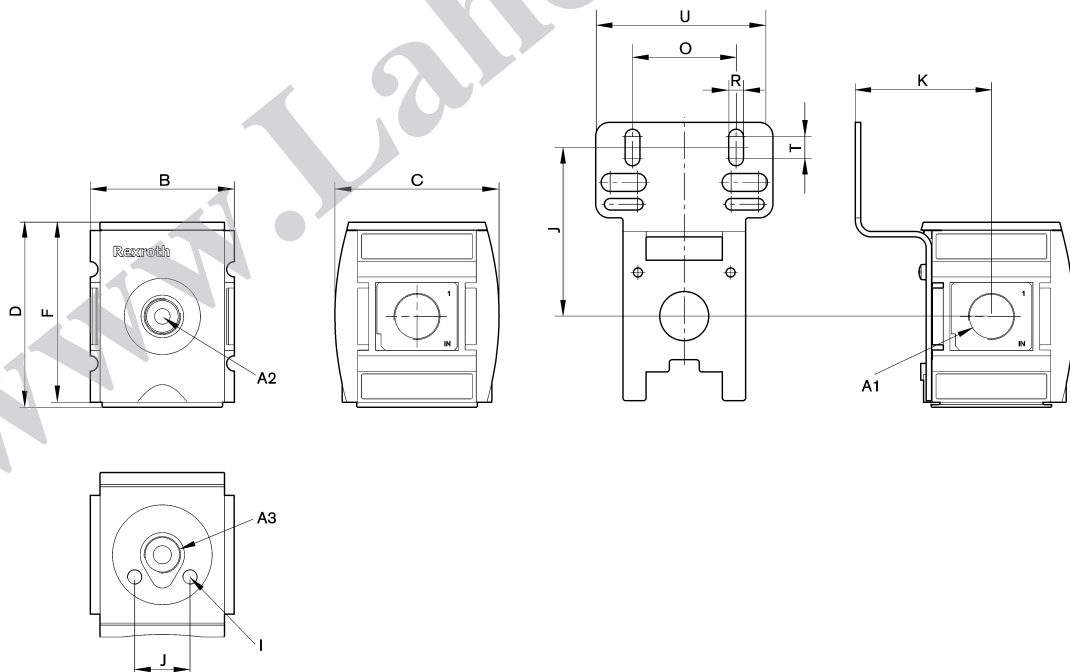
00119389

Working pressure min./max	0 / 16 bar
Ambient temperature min./max.	-10°C / +50°C
Medium	compressed air acc. to ISO 8573-1: 2001 dry air
Compressed air class	class 6-4-3
ATEX materials:	II 2G2D T4 X
Cover	acrylonitrile butadiene styrene plastic
Housing	polyamide
Threaded bushing	Diecast zinc

	Thread connection	Qn [l/min]	Operating pressure [bar]	Weight [kg]	Part No.
	G 1/4	2700	0	0,25	R412006250
	G 3/8	3600			R412006251

* nominal flow rate (1 ->2) at Δp = 1 bar, top (1 -> 5) = 2000 l/min.; front (1 -> 4) = 900 l/min.; bottom (1 -> 3) = 2000 l/min. Nominal flow Qn at 6.3 bar and Δp = 1 bar.

dimensioned drawing



00121220

A1	A2	A3	B	C	D	F	I	J	K	O	R	T	U
G1/4	G1/4	G1/4	52	59	66.8	65	M5	61.8	49.4	38	5.4	10	65
G3/8	G1/4	G1/4	52	59	66.8	65	M5	61.8	49.4	38	5.4	10	65

* core products - preferably for new constructions, stockpiling in Laatzen central warehouse, worldwide service

● service products - existing standard program, worldwide service

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★ **series AS2**
Accessories

★ **Reservoir, series AS2-CLS**
for filter and microfilter

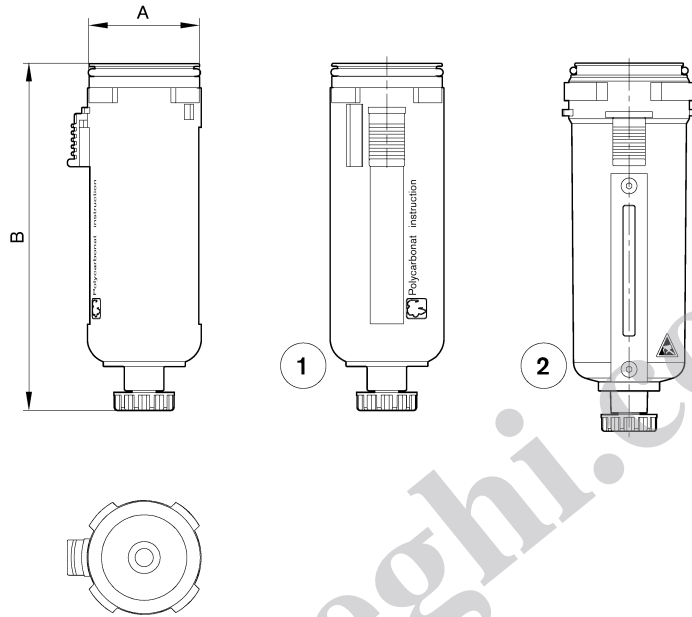


00119625

Thread connection	Condensate drain	Reservoir	Protective guard	Weight [kg]	Part No.
G 1/4 - G 3/8	fully automatic, closed without pressure	Diecast zinc	-	0,39	R412006346
	fully automatic, closed without pressure	Polycarbonate	polyamide	0,12	R412006340
	fully automatic, open without pressure	Diecast zinc	-	0,39	R412006345
	fully automatic, open without pressure	Polycarbonate	polyamide	0,12	R412006339
	semi-automatic, opened without pressure	Diecast zinc	-	0,338	R412006344
	semi-automatic, opened without pressure	Polycarbonate	polyamide	0,077	R412006338

★ series AS2
Accessories

standard PC reservoir with PA protective guard, semi-automatic, without pressure: open



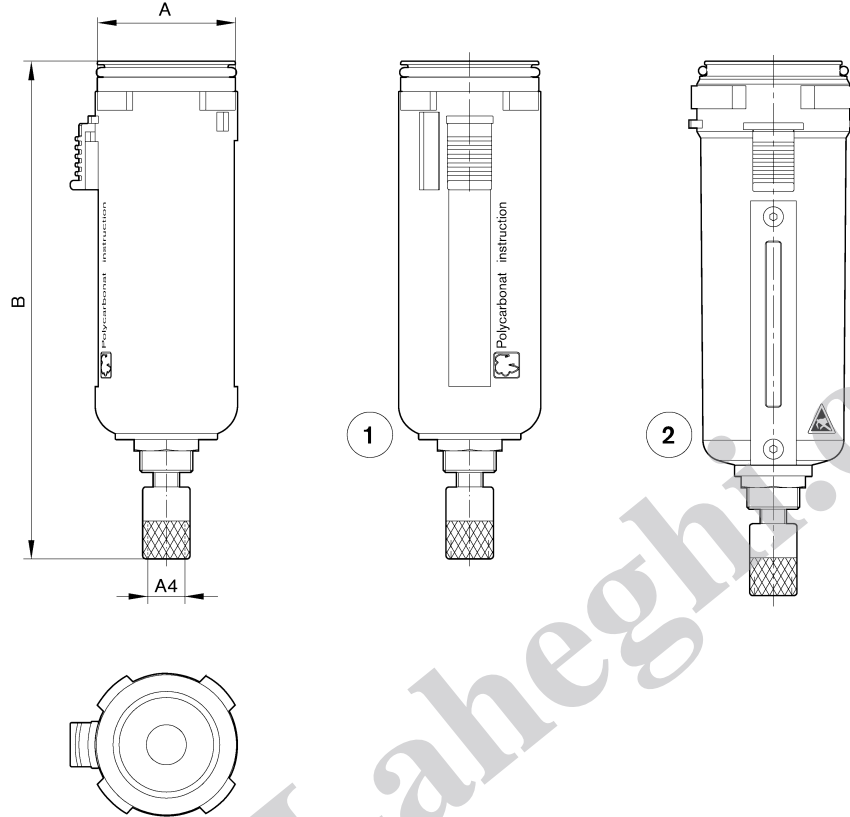
- 1) Reservoir: polycarbonate, with protective guard
- 2) metal reservoir

00121208

Part No.	A	B	Weight kg									
R412006338	37.6	115.5	0,077									
R412006344	37.6	115.5	0,338									

★ series AS2
Accessories

standard PC reservoir with PA protective guard, fully automatic



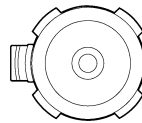
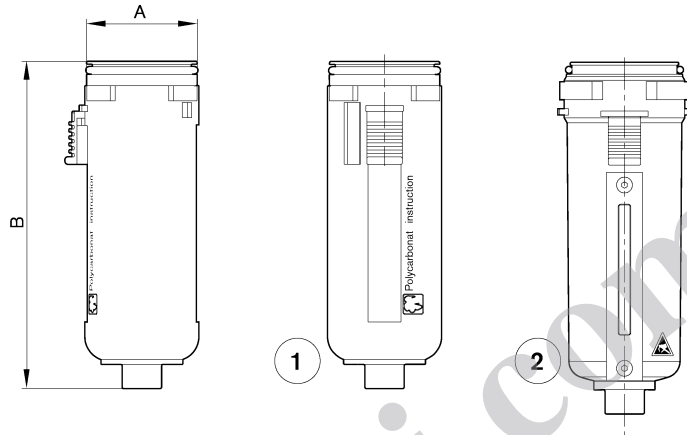
- 1) Reservoir: polycarbonate, with protective guard
2) metal reservoir

00121207

Part No.	A4	A	B	Weight kg								
R412006339	G1/8	37.6	132	0,12								
R412006340	G1/8	37.6	132	0,12								

★ series AS2
Accessories

★ Reservoir, series AS2-CLA
for active carbon filter



- 1) Reservoir: polycarbonate, with protective guard
- 2) metal reservoir

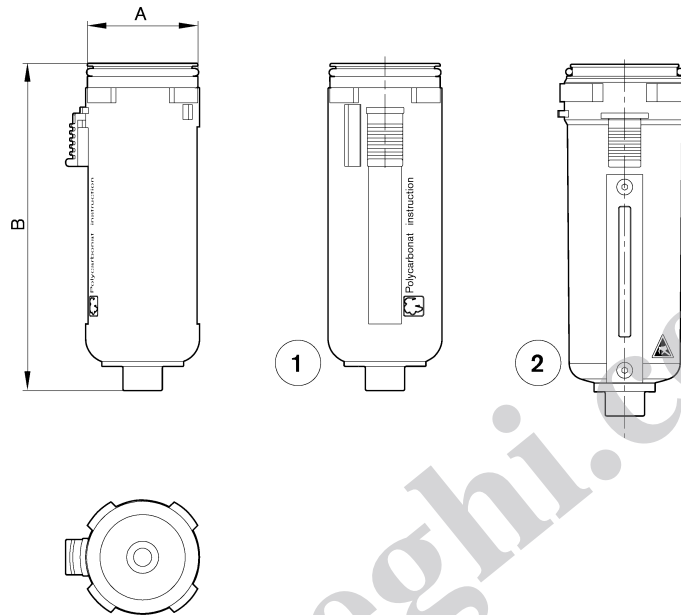
00121209

Thread connection	Reservoir	Protective guard	Weight [kg]	Part No.
G 1/4 - G 3/8	Diecast zinc	-	0,338	R412006349
	Polycarbonate	polyamide	0,77	R412006347

Part No.	A	B	Weight kg								
R412006347	37.6	108.5	0,77								
R412006349	37.6	108.5	0,338								

* series AS2 Accessories

* Reservoir, series AS2-CBS for oil-mist lubricator



00121209

- 1) Reservoir: polycarbonate, with protective guard
2) metal reservoir

Thread connection	Reservoir	Protective guard	Weight [kg]	Part No.
G 1/4 - G 3/8	Diecast zinc	-	0,258	R412006358
	Polycarbonate	polyamide	0,77	R412006352

Reservoir: polycarbonate, lubricator

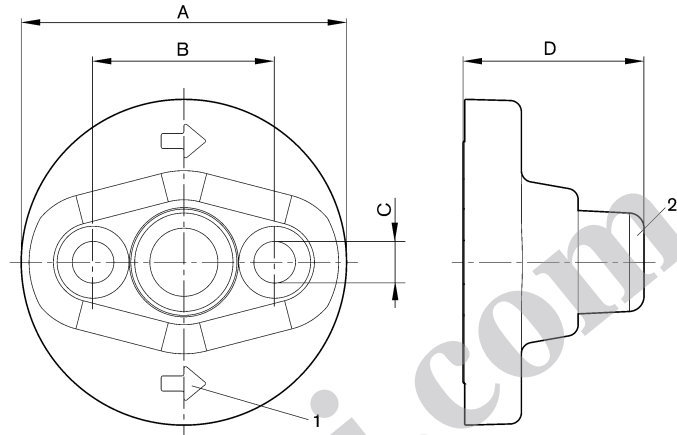
Part No.	A	B	Weight kg								
R412006352	43.8	122	0,77								
R412006358	43.8	126	0,258								

★ series AS2
Accessories

★ Contamination display
for microfilter, AS2-FLC, AS3-FLC



00124003



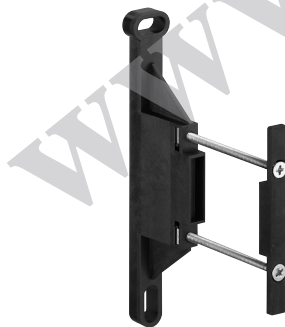
00123310

- 1) flow direction
- 2) display: green = $\Delta p < 0.35$ bar; red = $\Delta p \geq 0.35$ bar
- Display in new state: green
- Display in case of contamination: red

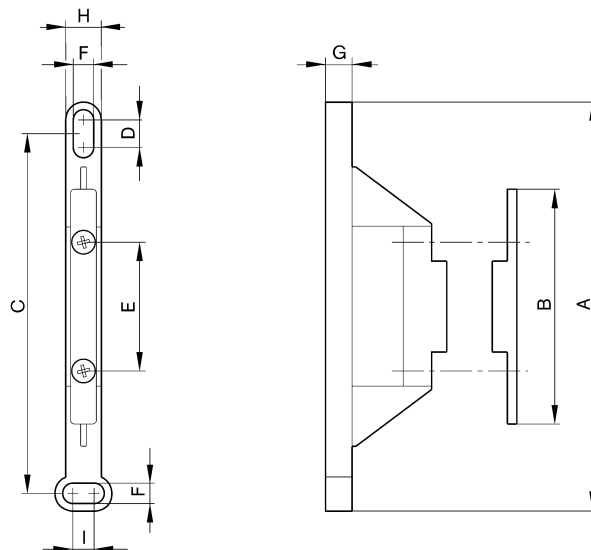
Part No.	A	B	C	D	Weight kg							
R412006363	43	24	5.5	24	0,025							

2 mounting screws and 2 O-rings supplied loose

★ Mounting clip, AS2-MBR-...-W03
AS2, Kit



00119388



00121215

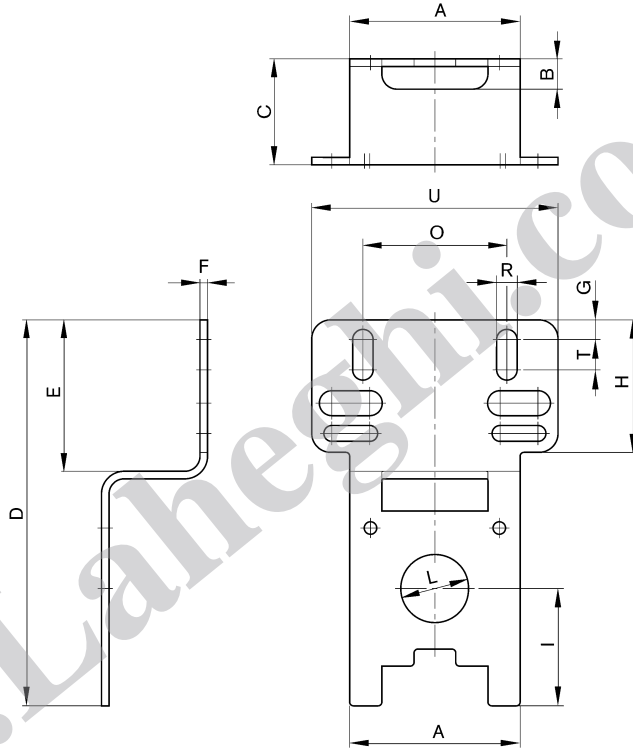
★ **series AS2**
Accessories

Part No.	A	B	C	D	E	F	G	H	I	Weight kg		
R412006370	108	62	95	7.3	34	5.4	7	9.4	5.4	0,015		

★ **Mounting plate, AS2-MBR-...-W01**
for series AS2



00119467



00119431

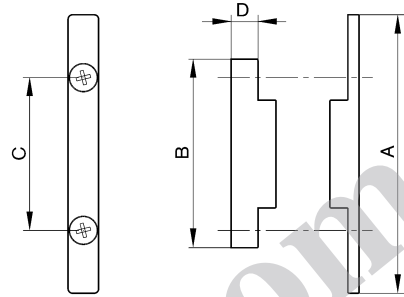
Part No.	A	B	C	D	E	F	G	H	I	L	O	R
R412006368	48	8	28	102	40	2	5.2	35	31	20	38	5.4
Part No.	T	U	Weight kg									
R412006368	8	65	0,065									

★ series AS2
Accessories

★ Block assembly kit, AS2-MBR-...-W04



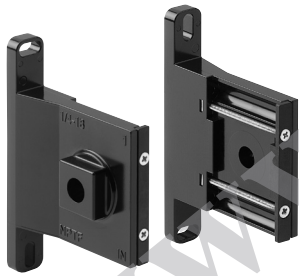
00119405



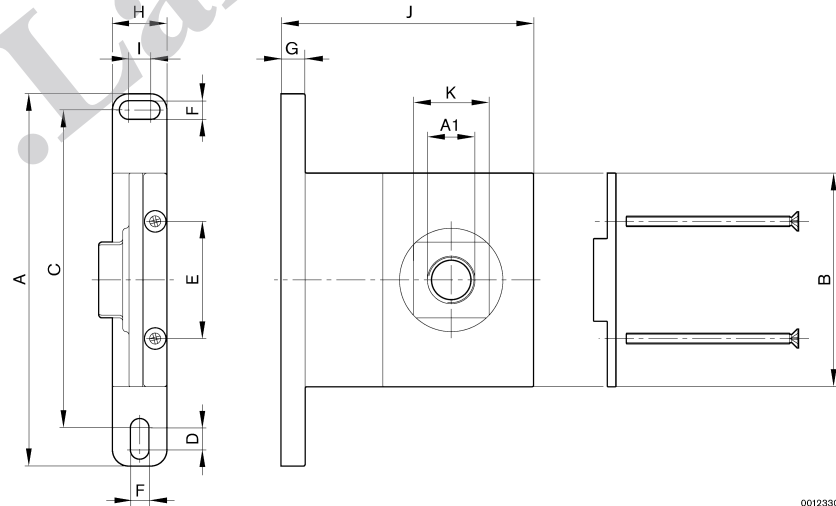
00121214_a

Part No.	A	B	C	D	Weight kg						
R412006371	62	42	34	6	0,01						

★ Block assembly kit, AS2-MBR-...-W05



00124004



00123309

00123309

Part No.	A1	A	B	C	D	E	F	G	H	I	J	K
R412006366	G1/4	108	62	91.5	7.3	34	5.4	7	16	7.3	73	22
R412006367	G3/8	108	62	91.5	7.3	34	5.4	7	16	7.3	73	22

Part No.	Weight kg											
R412006366	0,475											
R412006367	0,475											

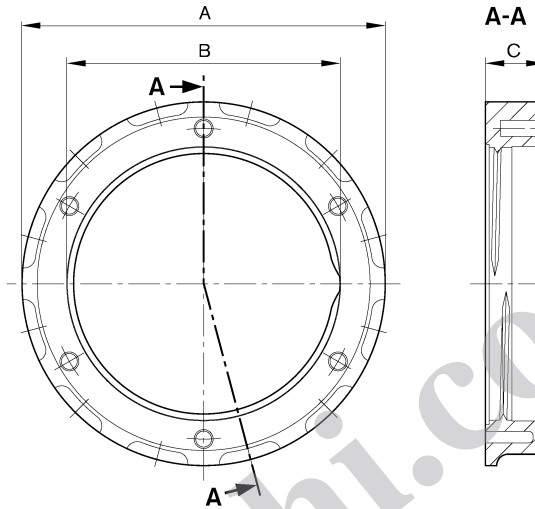
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 ● service products - existing standard program, worldwide service
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★ **series AS2**
Accessories

★ **Panel nut, AS2-MBR-...-W06**



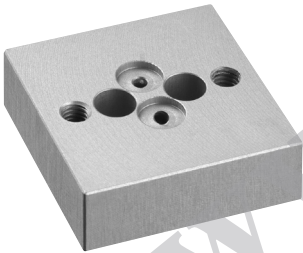
00124065



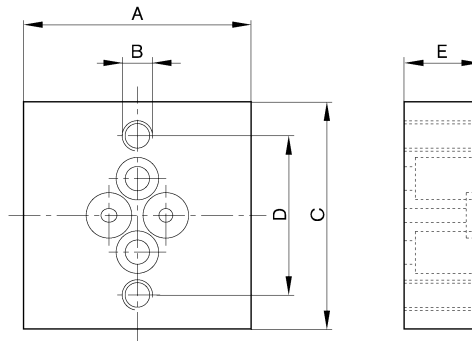
00123311

Part No.	A	B	C				30	Weight kg				
R412006372	48		8	30	0,006							

★ **Transition plate**
for series AS, with CNOMO porting configuration



00124240



00123312

00123312_a

	Weight [kg]	Part No.
	0,025	R412006360

material: aluminum
4 mounting screws and 2 O-rings supplied loose

★ series AS2
Accessories

Part No.	A	B	C	D	E	Weight kg					
R412006360	30	M4	30	21	10	0,025					

Pressure gauges, Series PG1
ROB-SAS, for series AS2-AS5

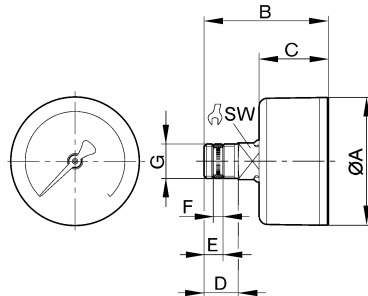


00123444

Ambient temperature min./max.	-10°C / +50°C
Medium	
Compressed air class	class 6-4-3
Version	Bourdon tube pressure gauge
Main scale unit (outside)	BAR
Secondary scale unit (inside)	PSI
Housing color	black
Background color	black
Pointer color	white
Main scale color (outside)	white
Secondary scale color (inside)	grey
Class	2,5
materials:	
Housing	polyamide
Seal	polytetrafluorethylene
Thread	brass

	Version	Port	Display range [bar]	Application [bar]	Housing diameter [mm]	Weight [kg]	Scale value [bar]	Part No.
	ROB-SAS	G 1/4	0 - 1,6	0 - 1,2	50	0,09	0,05	R412004413
			0 - 2,5	0 - 2			0,1	R412004414
			0 - 4	0 - 3,2			0,1	R412004415
			0 - 6	0 - 4			0,2	R412004416
			0 - 10	0 - 8			0,2	R412004417
			0 - 16	0 - 10			0,5	R412004418

dimensions



00119457

*** series AS2**
Accessories

Ø	G	ØA	B	C	D	E	F	SW						
40	G 1/8	39	44.5	23.5	10	5.6	2.1	14						
40	G 1/4	39	44.5	23.5	10	5.6	2.1	14						
50	G 1/4	49	47.5	26.5	13	7.2	3.7	14						
63	G 1/4	62	47.5	29	13	7.2	3.7	14						

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● service products - existing standard program, worldwide service

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