

Series MU1



Series MU1

The AVENTICS Series MU1 components are ideal for applications in harsh environments. They offer large thread connections to guarantee a high compressed air flow rate and provide reliable filtration, regulation and lubrication.

- High flow rate possible due to the large nominal width
- Robust design
- Metal housing
- Suitable for operations in harsh environments



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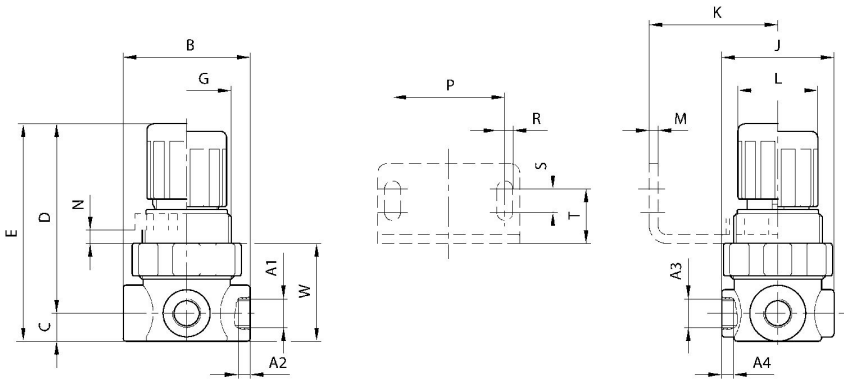
Pressure relief valve, Series MU1

Flow: 300 l/min
Parts: Pressure relief valve
Min. working pressure: 0 bar
Max. working pressure: 10 bar



Port	Compressed air connection output	Nominal flow [l/min]	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
G 1/8	G 1/8	300	0.1	2	0821302043
G 1/8	G 1/8	300	0.15	3	0821302044
G 1/8	G 1/8	300	0.4	6	0821302045
G 1/4	G 1/4	300	0.1	2	0821302046
G 1/4	G 1/4	300	0.15	3	0821302031
G 1/4	G 1/4	300	0.4	6	0821302047
G 1/4	G 1/4	300	0.4	10	R412007723

Dimensions



Part No.	A1	A2	A3	A4	B	C	D	E	G
0821302043	G1/8	8	G1/8	8	43	9.5	61	70.5	M30x1.5
0821302044	G1/8	8	G1/8	8	43	9.5	61	70.5	M30x1.5
0821302045	G1/8	8	G1/8	8	43	9.5	61	70.5	M30x1.5
0821302046	G1/4	8	G1/8	8	43	9.5	61	70.5	M30x1.5
0821302031	G1/4	8	G1/8	8	43	9.5	61	70.5	M30x1.5
0821302047	G1/4	8	G1/8	8	43	9.5	61	70.5	M30x1.5
R412007723	G1/4	8	G1/8	8	43	9.5	61	70.5	M30x1.5

Part No.	J	K	L	M	N	P	R	S	T
0821302043	38	40	27	3	5	38	5.4	8	18.5

Part No.	J	K	L	M	N	P	R	S	T
0821302044	38	40	27	3	5	38	5.4	8	18.5
0821302045	38	40	27	3	5	38	5.4	8	18.5
0821302046	38	40	27	3	5	38	5.4	8	18.5
0821302031	38	40	27	3	5	38	5.4	8	18.5
0821302047	38	40	27	3	5	38	5.4	8	18.5
R412007723	38	40	27	3	5	38	5.4	8	18.5

Part No.	W
0821302043	33
0821302044	33
0821302045	33
0821302046	33
0821302031	33
0821302047	33
R412007723	33

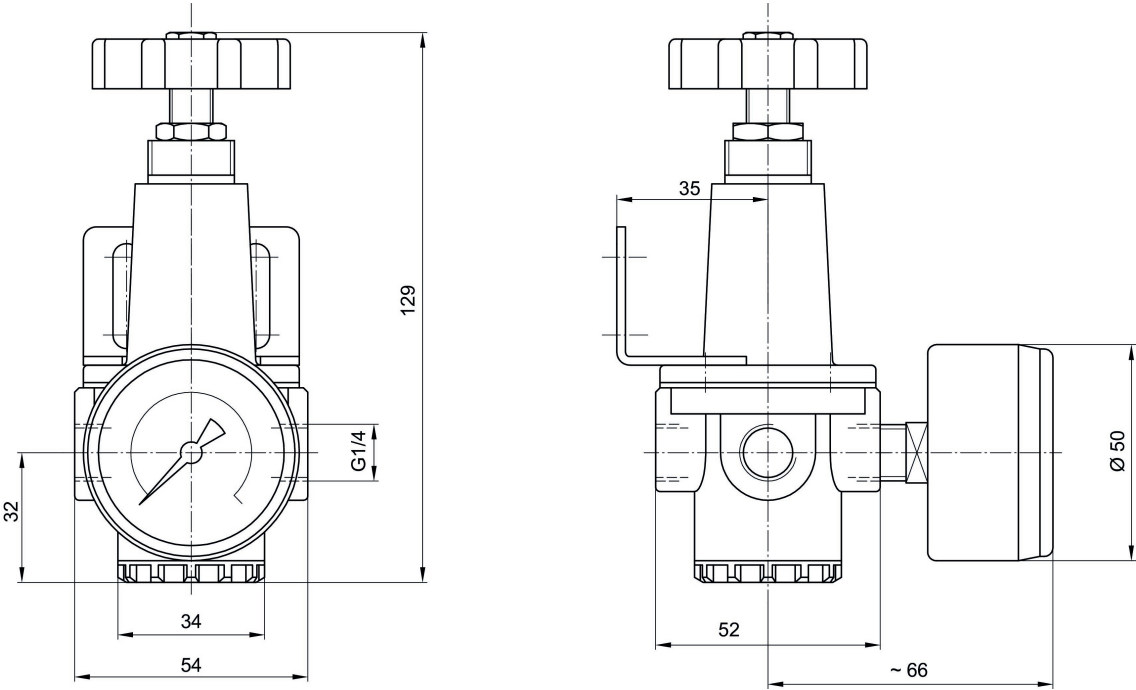
Pressure regulator, Series MU1-RGS

Flow: 1000 l/min
Parts: Pressure regulator
Certificates: Free of substances that impair surface wetting in the coating process
Min. ambient temperature: 0 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0.5 bar
Max. working pressure: 35 bar

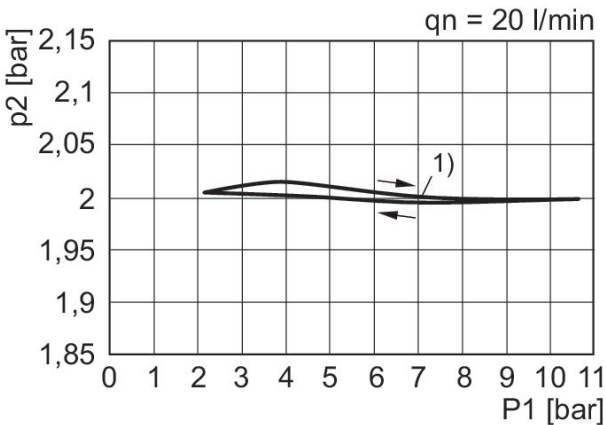


Port	Nominal flow [l/min]	Min. regulation range [bar]	Max. regulation range [bar]	Pressure gauge	Part No.
G 1/4	1000	0.5	23	with pressure gauge	R412010111

Dimensions in mm

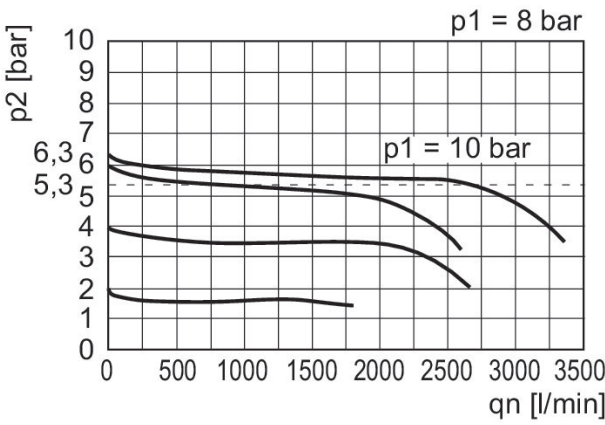


Pressure characteristics curve



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow
1) Starting point

Flow rate characteristic, p2 = 0,05 - 7 bar



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

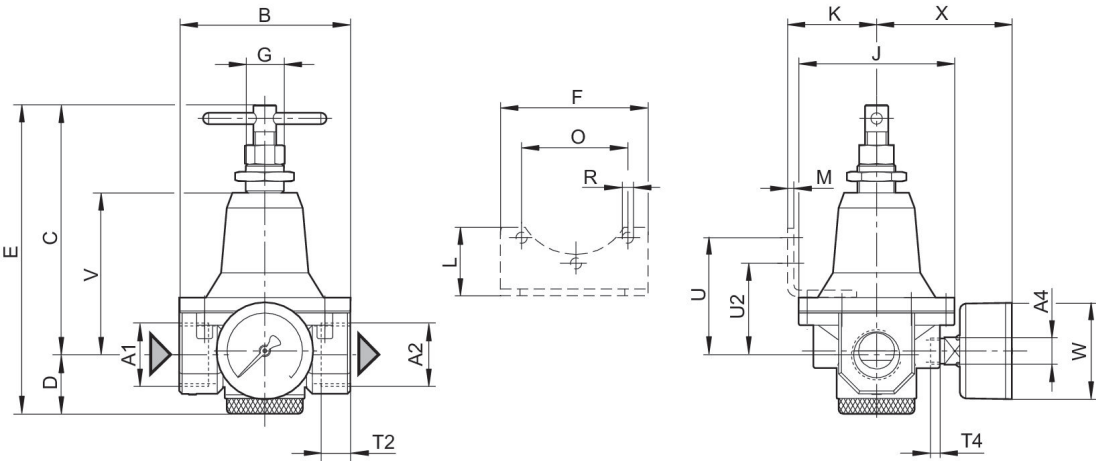
Pressure regulator, Series MU1-RGS

Flow: 5000 l/min
Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 80 °C
Min. working pressure: 0.5 bar
Max. working pressure: 30 bar



Port	Nominal flow [l/min]	Min. regulation range [bar]	Max. regulation range [bar]	Pressure gauge	Part No.
G 1/2	5000	0.5	16	with pressure gauge	R412004371
G 1/2	5000	0.5	16		R412007578
G 1/2	5000	0.5	10		9153320160

Dimensions

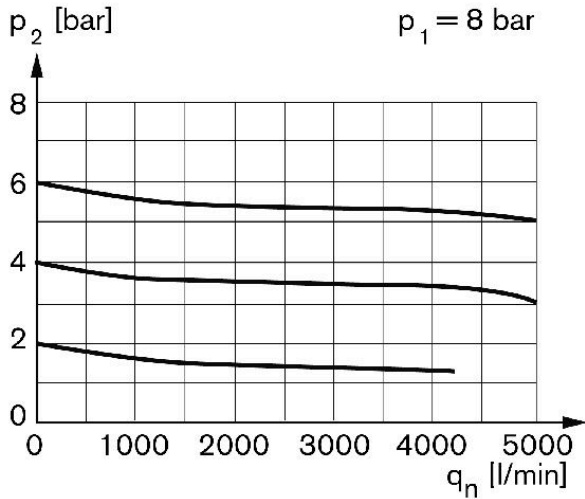


Part No.	A1	A2	A4	B	C	D	E	F	G
R412004371	G 1/2	G 1/2	G 1/4	82	129	31	162	124	M20x1,5
R412007578	G 1/2	G 1/2	G 1/4	82	129	31	162	124	M20x1,5
9153320160	G 1/2	G 1/2	G 1/4	82	129	31	162	124	M20x1,5

Part No.	J	K	L	M	O	R	U	U2	T2
R412004371	82	47	38	3	53.6	6	58	45	14
R412007578	82	47	38	3	53.6	6	58	45	14
9153320160	82	47	38	3	53.6	6	58	45	14

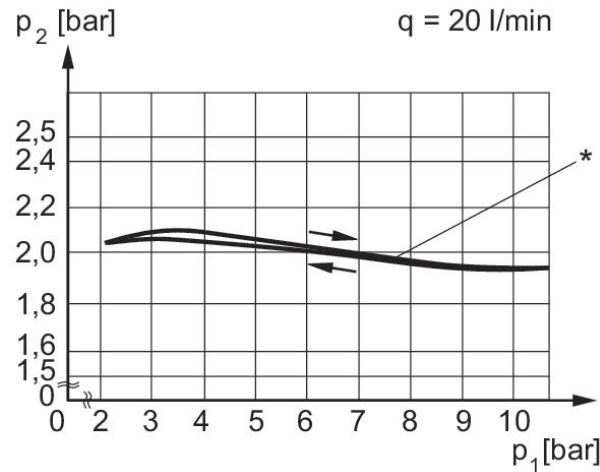
Part No.	T4	V	W	X
R412004371	7	83	63	72
R412007578	7	83	63	72
9153320160	7	83	63	72

Flow rate characteristic (secondary range p2: 0.5 - 10 bar)



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Pressure characteristics curve



p1 = Working pressure
p2 = Secondary pressure
q = flow rate
* starting point

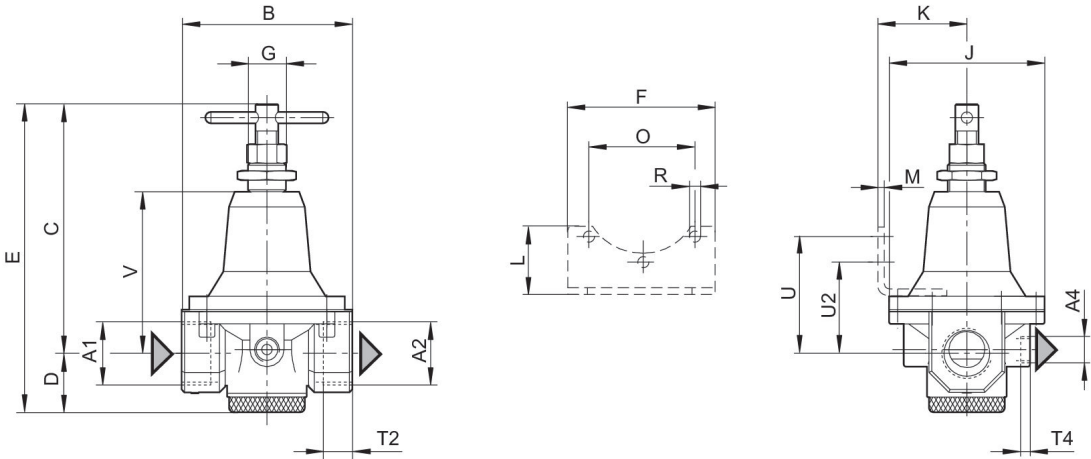
Pressure regulator, Series MU1-RGS

Flow: 5000 l/min
Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 80 °C
Min. working pressure: 0.5 bar
Max. working pressure: 25 bar



Port	Nominal flow [l/min]	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
G 1	5000	0.5	10	R412006574

Dimensions

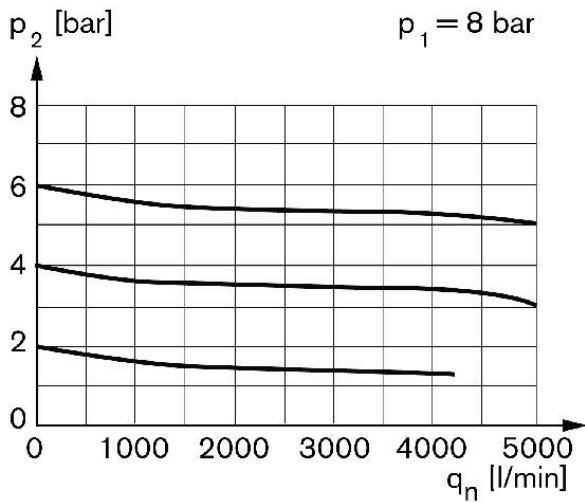


Part No.	A1	A2	A4	B ±5	C ±5	D ±5	E ±7	F	G
R412006574	G 1	G 1	G 1/4	90	131	31	162	124	M20x1,5

Part No.	J ±5	K	L	M	O	R	T2	T4	U
R412006574	82	47	38	3	53.3	5.5	18	7	60.1

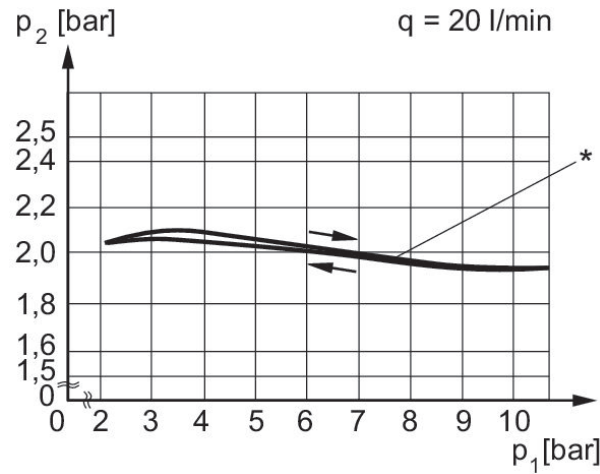
Part No.	U2	V
R412006574	47.1	83

Flow rate characteristic (secondary range p2: 0.5 - 10 bar)



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Pressure characteristics curve



p1 = Working pressure
p2 = Secondary pressure
q = flow rate
* starting point

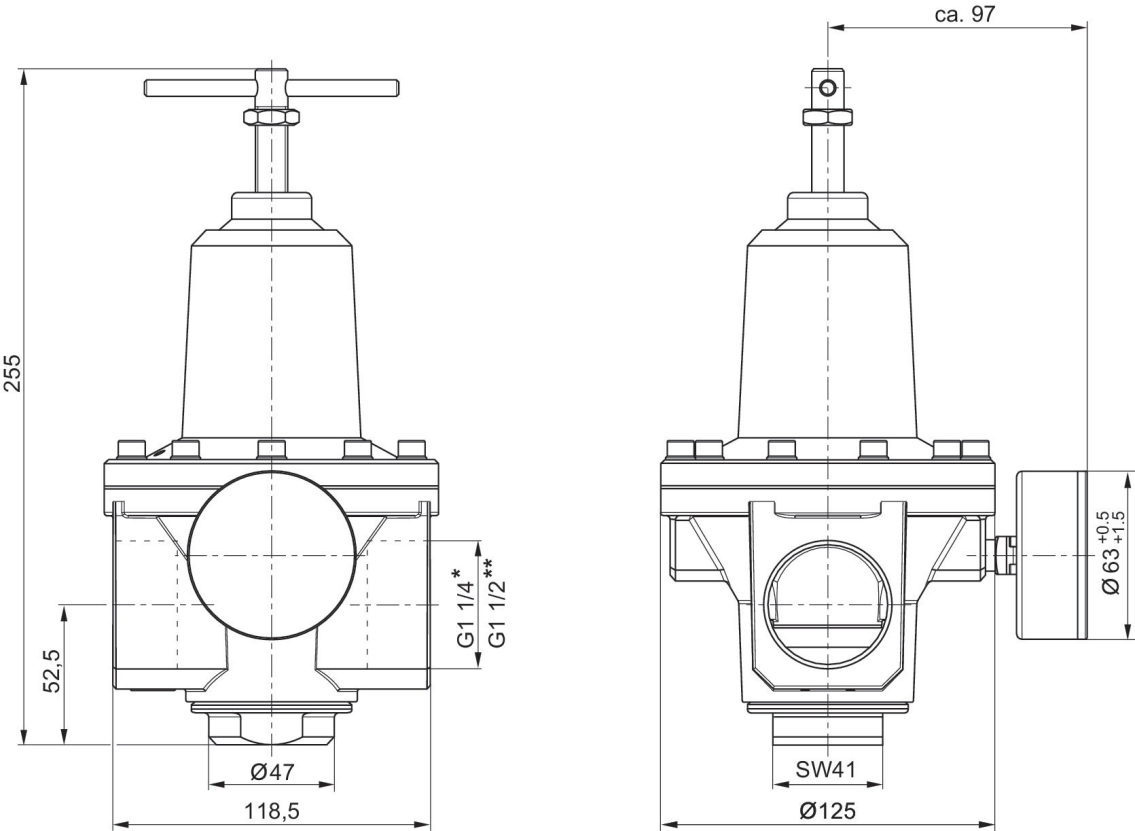
Pressure regulator, Series MU1-RGS

Flow: 15000 l/min
Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0.5 bar
Max. working pressure: 25 bar

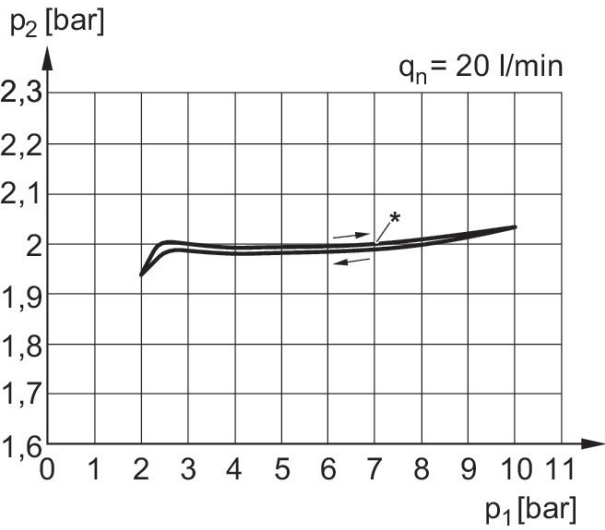


Port	Nominal flow [l/min]	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
G 1 1/4	16500	0.5	10	R412006575
G 1 1/2	16500	0.5	10	R402000233

Dimensions

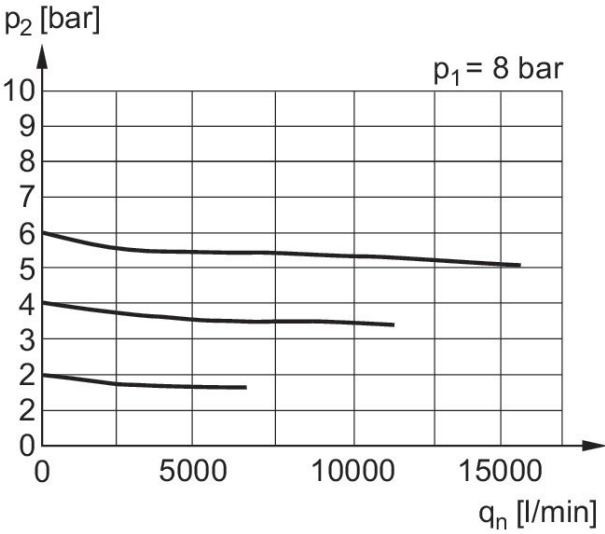


Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q = flow rate
* starting point

Flow rate characteristic (secondary range p_2 : 0.5 - 10 bar)



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

Pressure regulator, Series MU1-RGS

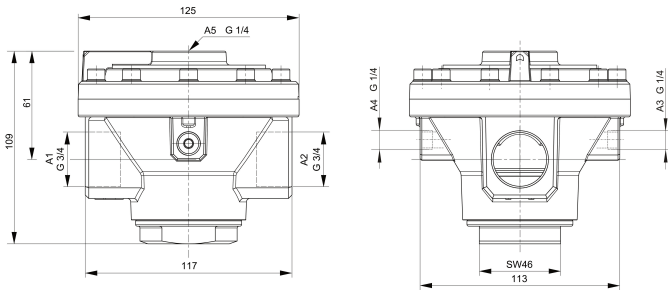
Flow: 35000 l/min
Parts: Pressure regulator
Max. control pressure: 16 bar
Min. ambient temperature: -10 °C
Max. ambient temperature: 80 °C
Min. working pressure: 0.5 bar
Max. working pressure: 25 bar



Port	Nominal flow [l/min]	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
G 3/4	15000	0.5	20	R412007600
G 1	15000	0.5	20	R976750953
G 1 1/2	31500	0.5	20	R412006577

R412007600

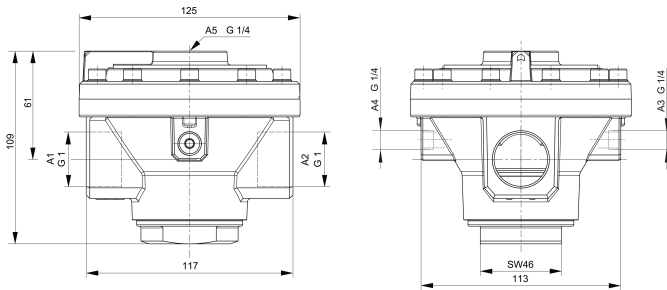
Dimensions in mm



A1 = input
A2 = output
A3 = pressure gauge connection
A4 = pressure gauge connection back side
A5 = Control pressure connection
Pressure gauge holes A3 and A4 closed

R976750953

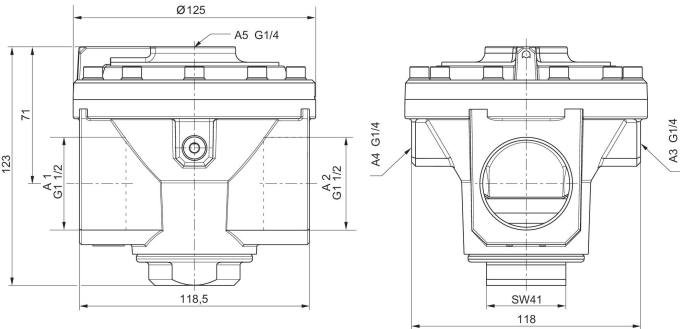
Dimensions in mm



A1 = input
A2 = output
A3 = pressure gauge connection
A4 = pressure gauge connection back side
A5 = Control pressure connection
Pressure gauge A4 hole closed

R412006577

Dimensions in mm



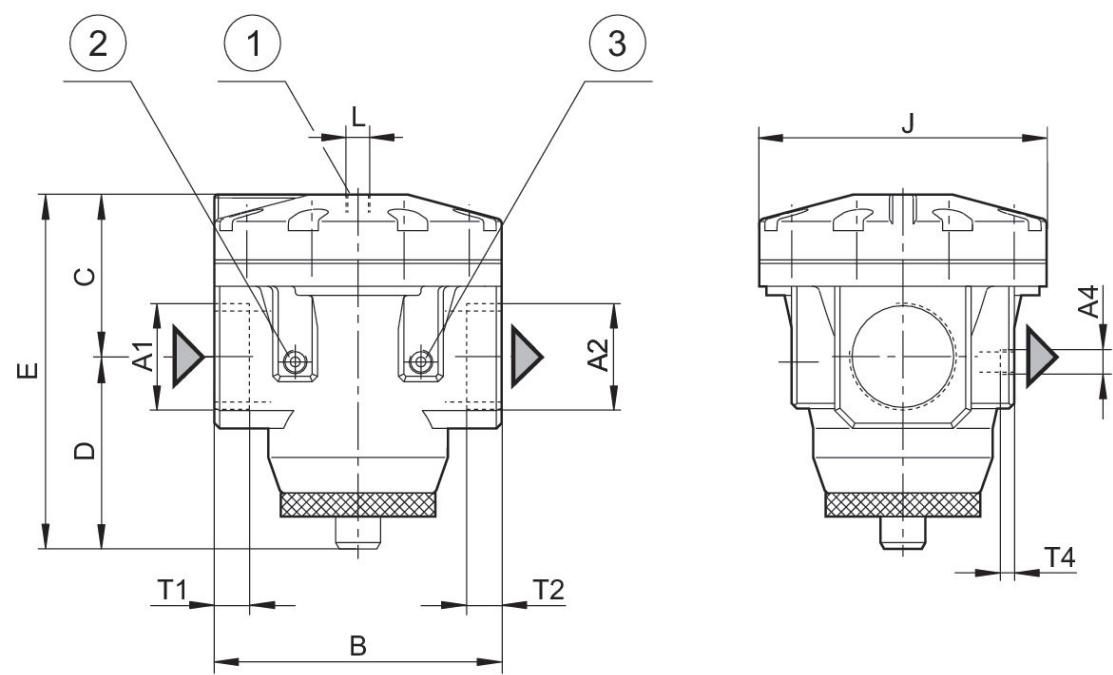
A1 = input A2 = output A3 = pressure gauge connection
A4 = pressure gauge connection back side
A5 = Control pressure connection
Pressure gauge A4 hole closed

Pressure regulator, Series MU1-RGS

Flow: 50000 l/min
Parts: Pressure regulator
Max. control pressure: 16 bar
Min. ambient temperature: -10 °C
Max. ambient temperature: 80 °C
Min. working pressure: 0.5 bar
Max. working pressure: 25 bar

Port	Nominal flow [l/min]	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
G 2	50000	0.5	16	R412006578

Dimensions



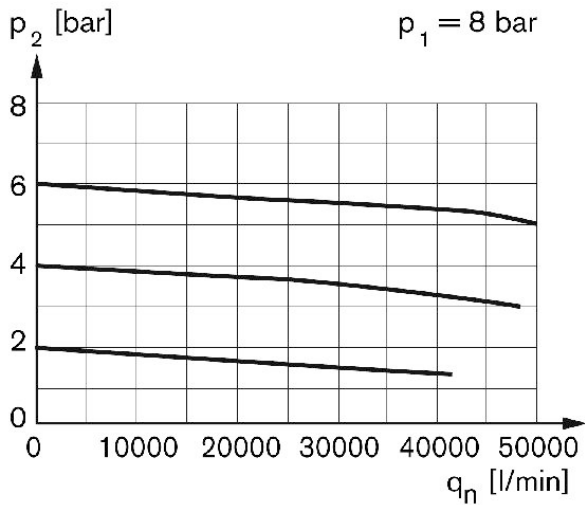
- 1) Pilot connection
- 2) Pressure gauge connection P1
- 3) Pressure gauge connection P2

Part No.	A1	A2	A4	B ±5	C ±5	D ±5	E ±7	J ±5	L
R412006578	G2	G2	G 1/4	160	90	107	197	160	G 1/4

Part No.	T1	T2	T4						
R412006578	30	30	9.5						

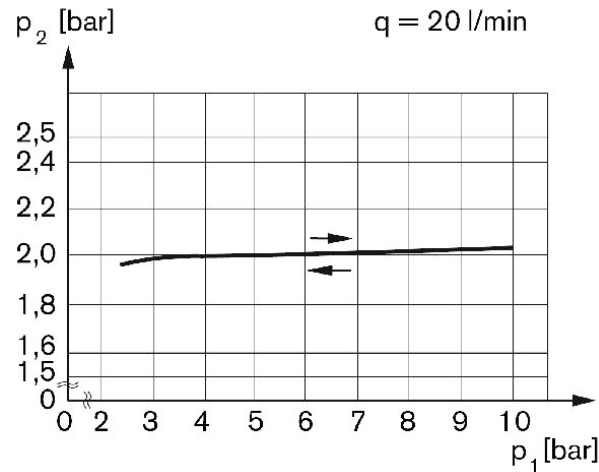
Part No.	
R412006578	

Flow rate characteristic (secondary range p2: 0.5 - 10 bar)



p1 = Working pressure p2 = Secondary pressure qn = Nominal flow

Pressure characteristics curve



p1 = working pressure p2 = secondary pressure q = flow rate
* starting point

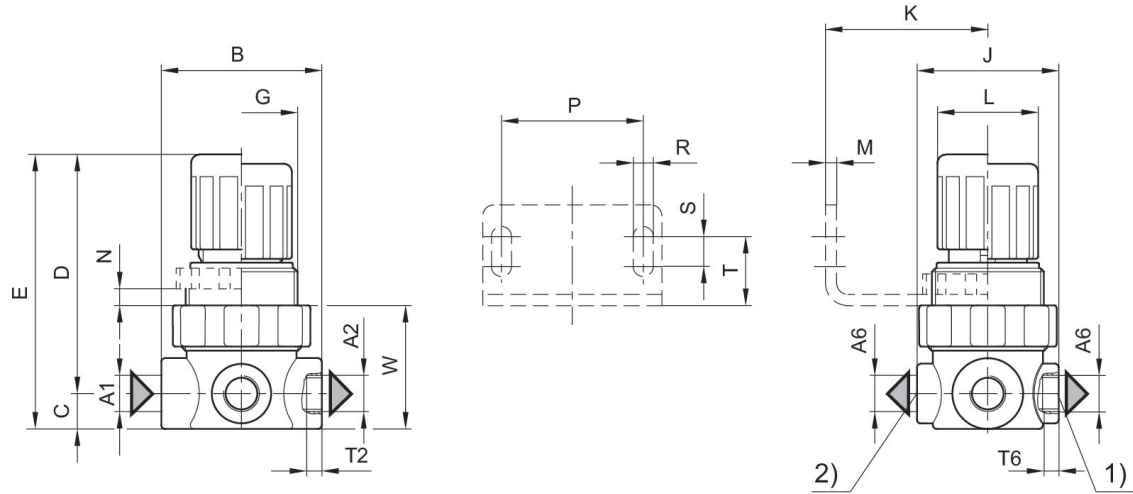
Pressure regulator, Series MU1-RGS

Flow: 450 l/min
Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0.5 bar
Max. working pressure: 25 bar



Port	Nominal flow [l/min]	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
G 1/8	450	0.1	3.5	0821302425
G 1/8	450	0.15	7	0821302426
G 1/8	450	0.4	10	0821302427
G 1/4	450	0.1	3.5	0821302429
G 1/4	450	0.15	7	0821302448
G 1/4	450	0.4	10	0821302449

Dimensions



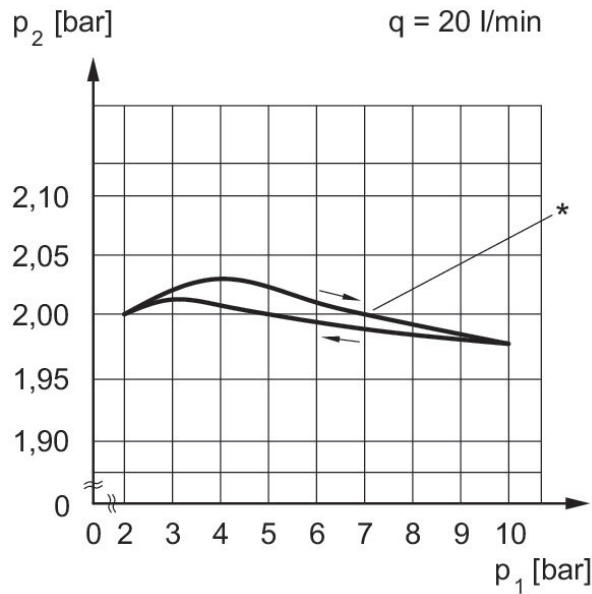
- 1) Pressure gauge connection
- 2) Pressure gauge connection closed

	A1	A2	A6	B	C	D	E	G	J
0821302425	G 1/8	G 1/8	G 1/8	43	9.5	61	70.5	M30x1,5	38
0821302426	G 1/8	G 1/8	G 1/8	43	9.5	61	70.5	M30x1,5	38
0821302427	G 1/8	G 1/8	G 1/8	43	9.5	61	70.5	M30x1,5	38
0821302429	G 1/4	G 1/4	G 1/8	43	9.5	61	70.5	M30x1,5	38
0821302448	G 1/4	G 1/4	G 1/8	43	9.5	61	70.5	M30x1,5	38
0821302449	G 1/4	G 1/4	G 1/8	43	9.5	61	70.5	M30x1,5	38

	K	L	M	N	P	R	S	T	T2
0821302425	40	27	3	5	38	5.4	8	18.5	8
0821302426	40	27	3	5	38	5.4	8	18.5	8
0821302427	40	27	3	5	38	5.4	8	18.5	8
0821302429	40	27	3	5	38	5.4	8	18.5	8
0821302448	40	27	3	5	38	5.4	8	18.5	8
0821302449	40	27	3	5	38	5.4	8	18.5	8

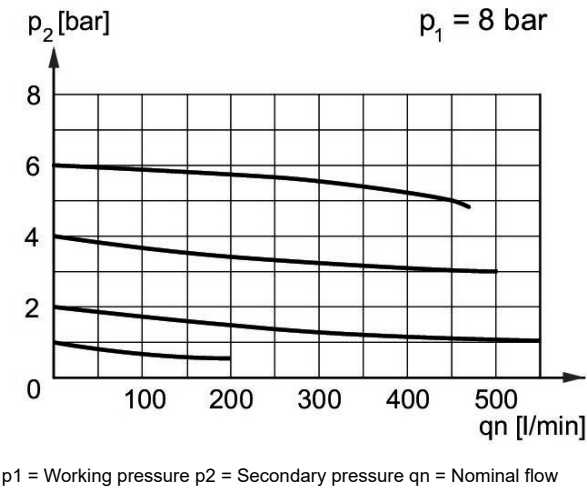
	T6	W
0821302425	8	33
0821302426	8	33
0821302427	8	33
0821302429	8	33
0821302448	8	33
0821302449	8	33

Pressure characteristics curve

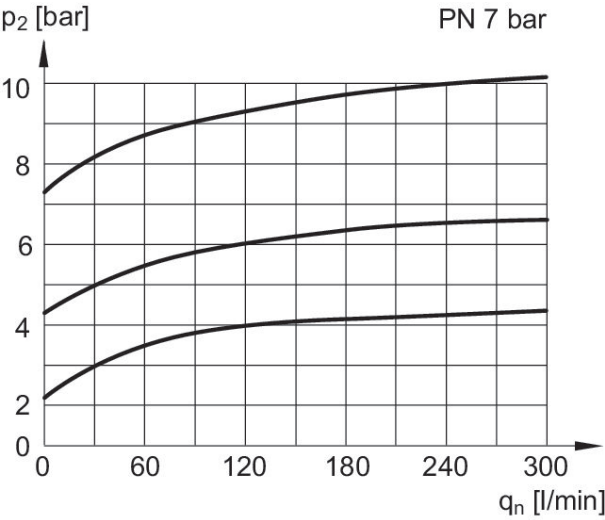


p_1 = working pressure p_2 = secondary pressure q = flow rate
* starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar

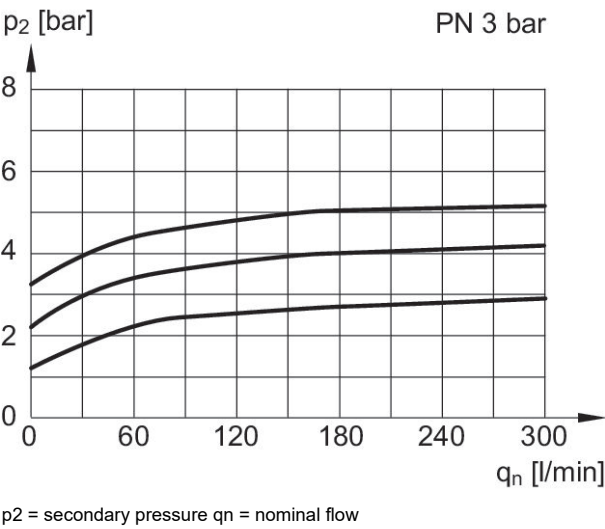


Exhaust



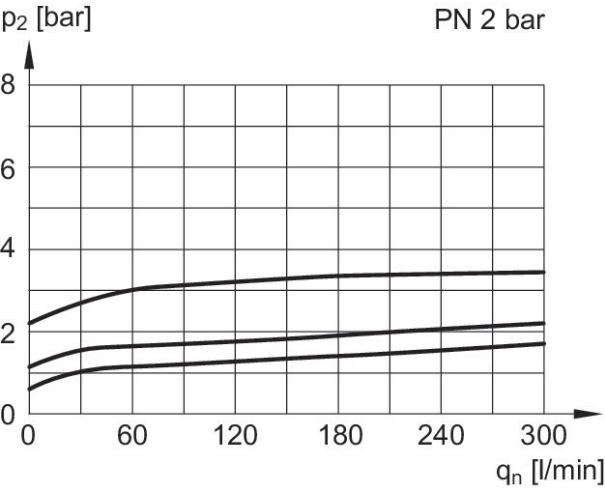
p₂ = secondary pressure q_n = nominal flow

Exhaust



p₂ = secondary pressure q_n = nominal flow

Exhaust



p₂ = secondary pressure q_n = nominal flow

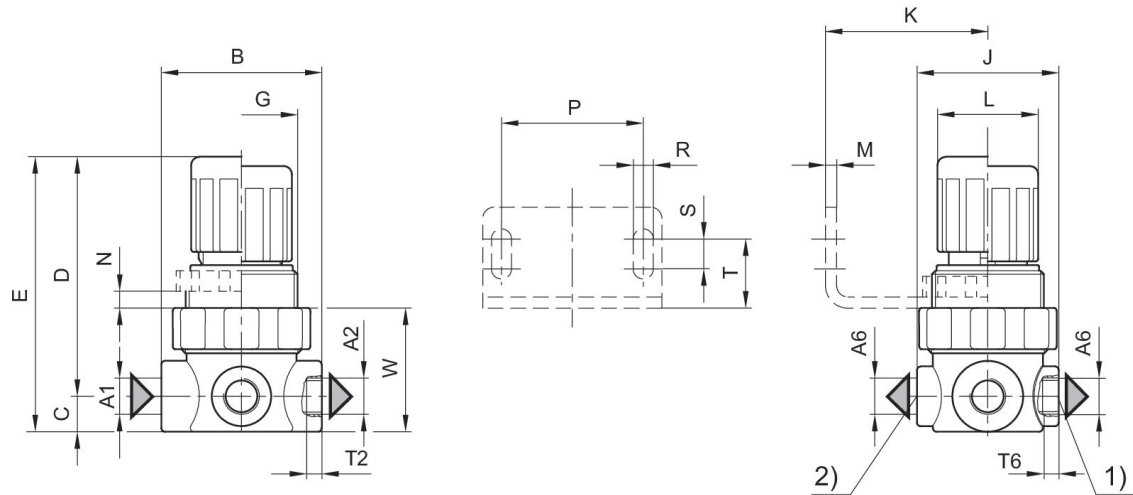
Pressure regulator, Series MU1-RGS

Flow: 450 l/min
Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0.5 bar
Max. working pressure: 14 bar



Port	Nominal flow [l/min]	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
G 1/4	450	0.4	10	R412007781

Dimensions



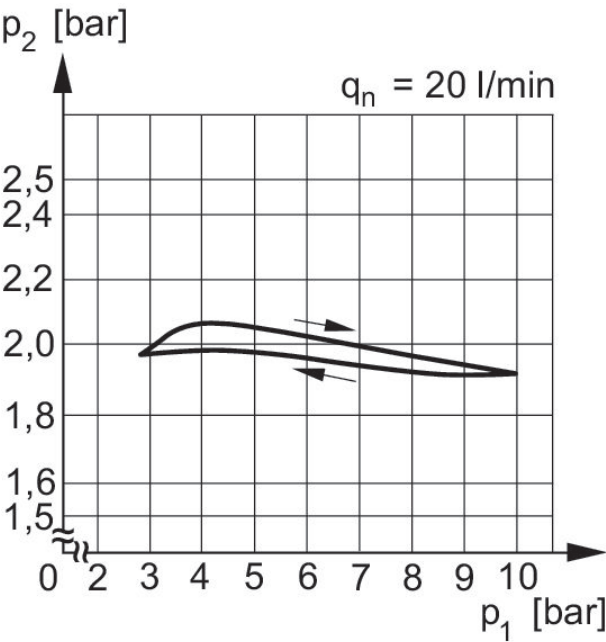
- 1) Pressure gauge connection
- 2) Pressure gauge connection closed

	A1	A2	A6	B	C	D	E	G	J
R412007781	G 1/4	G 1/4	G 1/8	43	9.5	61	70.5	M30x1,5	38

	K	L	M	N	P	R	S	T	T2
R412007781	40	27	3	5	38	5.4	8	18.5	8

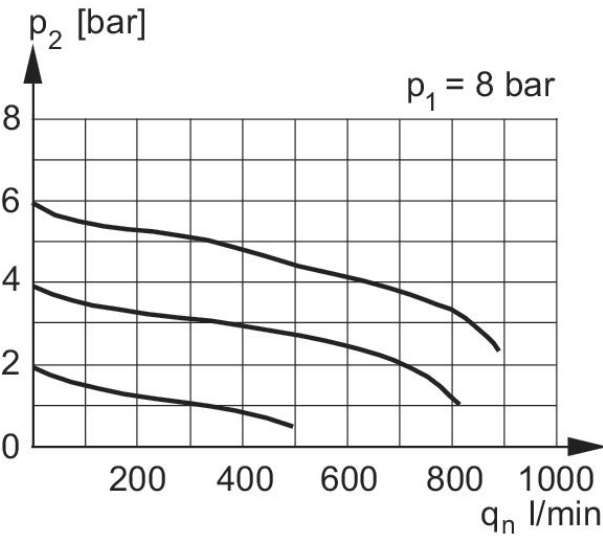
	T6	W
R412007781	8	33

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



p_2 = Secondary pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

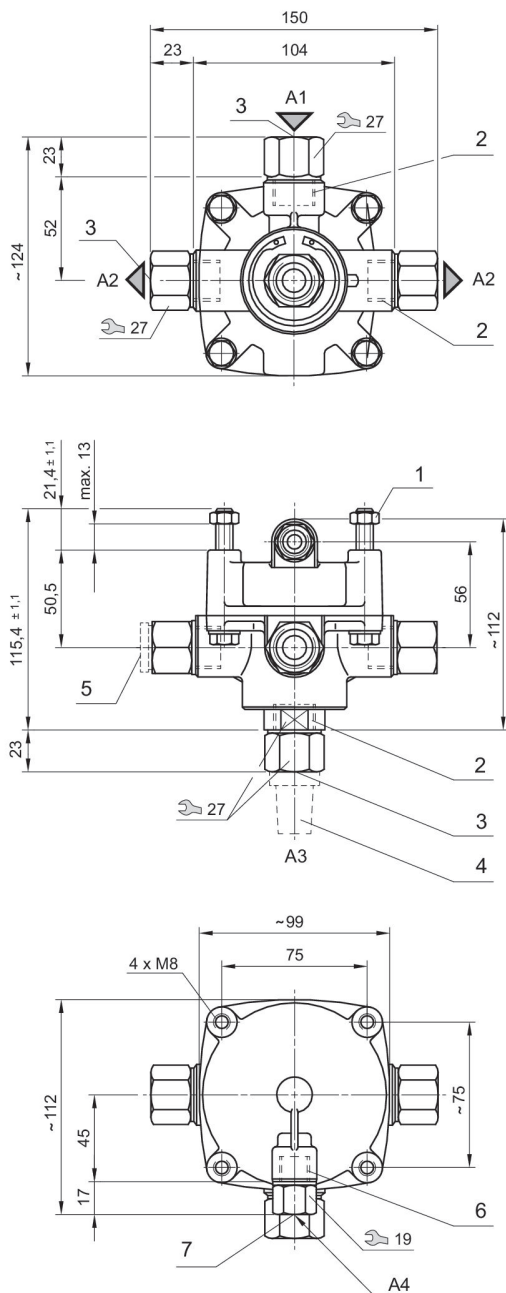
Pressure regulator, Series MU1-RGS

Flow: 5500 l/min
Parts: Pressure regulator
Max. control pressure: 8 bar
Min. ambient temperature: -10 °C
Max. ambient temperature: 80 °C
Min. working pressure: 0.5 bar
Max. working pressure: 13 bar



Port	Nominal flow [l/min]	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
G 1/2	5500	0.2	8	0821302026

Dimensions in mm



A1 = input

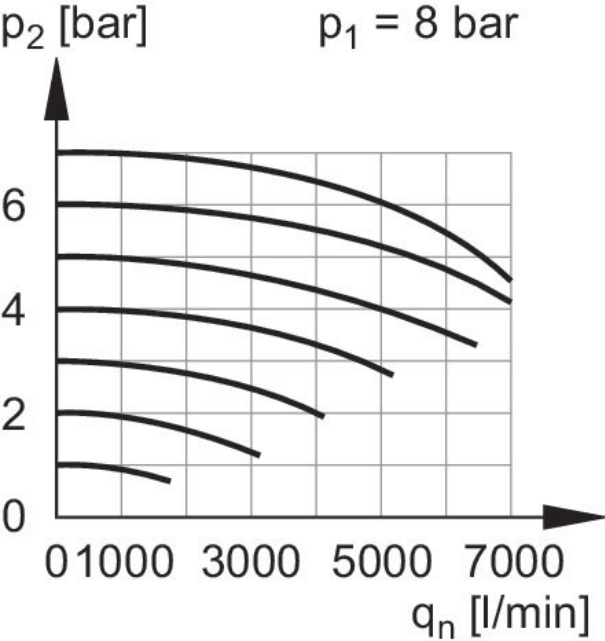
A2 = output

A3 = ventilation port

A4 = control pressure connection

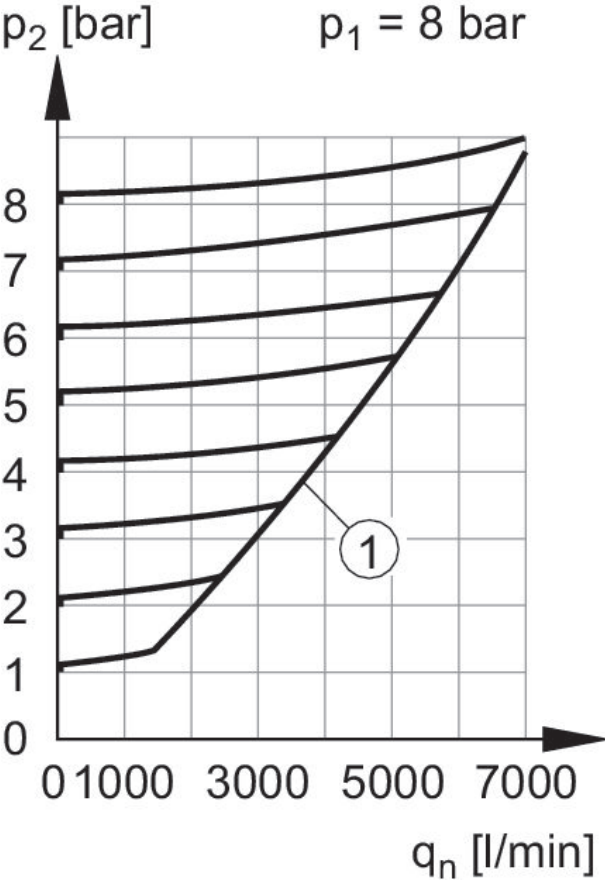
(1) not included in scope of delivery (4 x M8, DIN 934) (2) M22x1.5, min. 13 mm deep (3) G 1/2, 17 mm deep (4) silencer (not included in scope of delivery) (5) blanking screw, to be fitting when only one connection is used (not included in scope of delivery) (6) M16x1.5, min. 12 mm deep (7) G 1/4, 12 mm deep

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



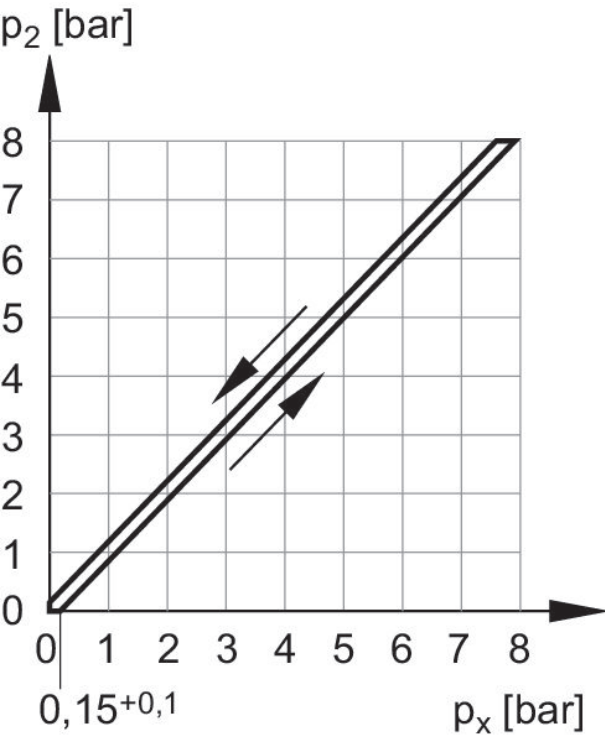
p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



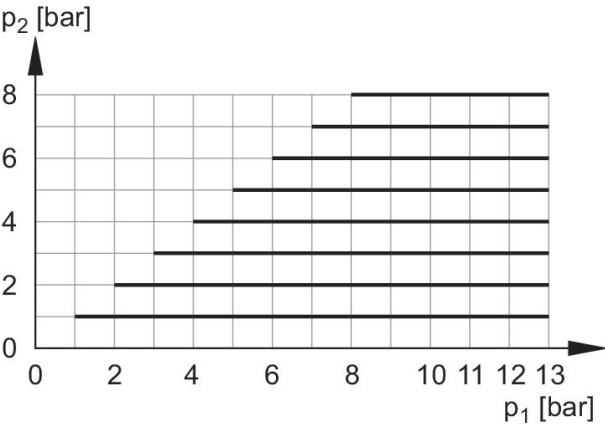
p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) with silencer 1827000003

Pressure characteristics curve



p_x = control pressure
 p_2 = output pressure

Pressure characteristics curve



Input pressure p_1 /output pressure p_2
 p_1 = Working pressure
 p_2 = Secondary pressure
 p_x = control pressure

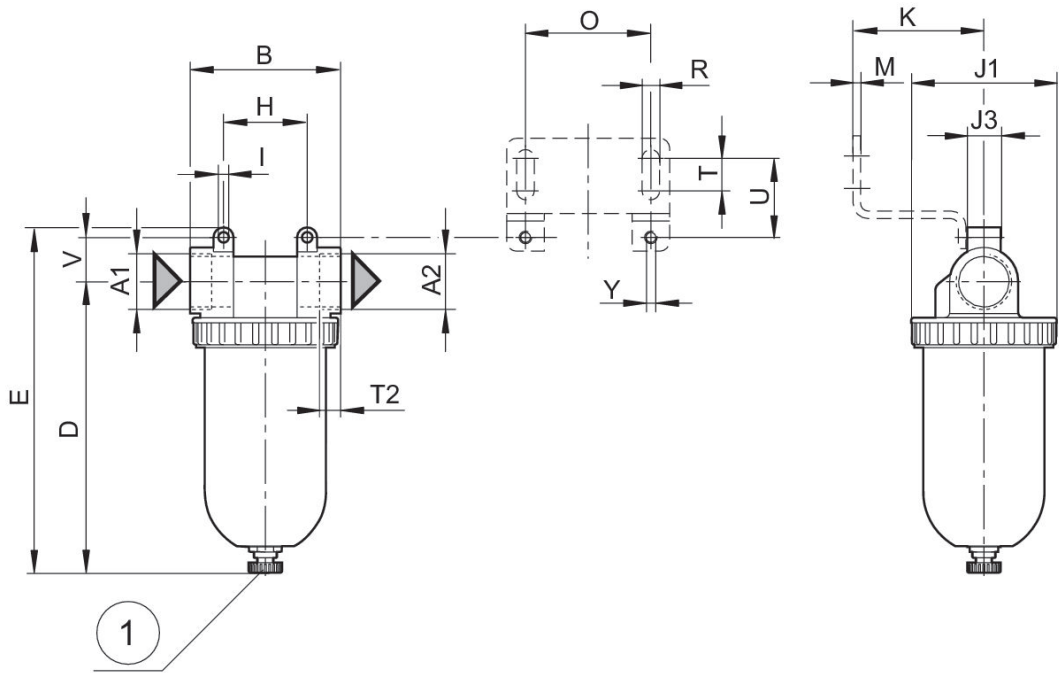
Filter, Series MU1-FLS

Flow: 4000 l/min
Parts: Filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0 bar



Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Filter insert	Part No.
G 1	4000	40	semi-automatic, open without pressure	reservoir, polycarbonate, with metal protective guard	Polyethylene	R412006562
G 1	4000	40	Manual	Metal reservoir without window	Polyethylene	R412006585

Dimensions

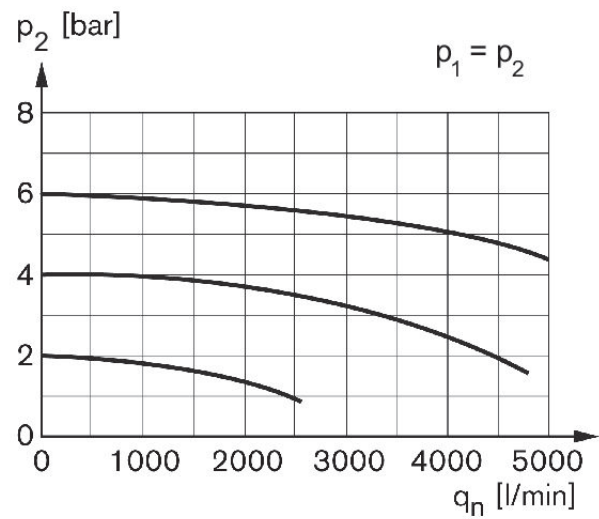


1) manual or semi-automatic condensate drain

Part No.	A1	A2	B	D ±5	E ±7	H	I	J1	J3
R412006562	G 1	G 1	90	174	206	50	6.2	87	20
R412006585	G 1	G 1	90	174	206	50	6.2	87	20

Part No.	K	M	O	R	T	T2	U	V	Y
R412006562	55	3	50	7	13	16	31.5	26.5	M6
R412006585	55	3	50	7	13	16	31.5	26.5	M6

Flow rate characteristic, p2 = 0,05 - 7 bar



p2 = secondary pressure qn = nominal flow

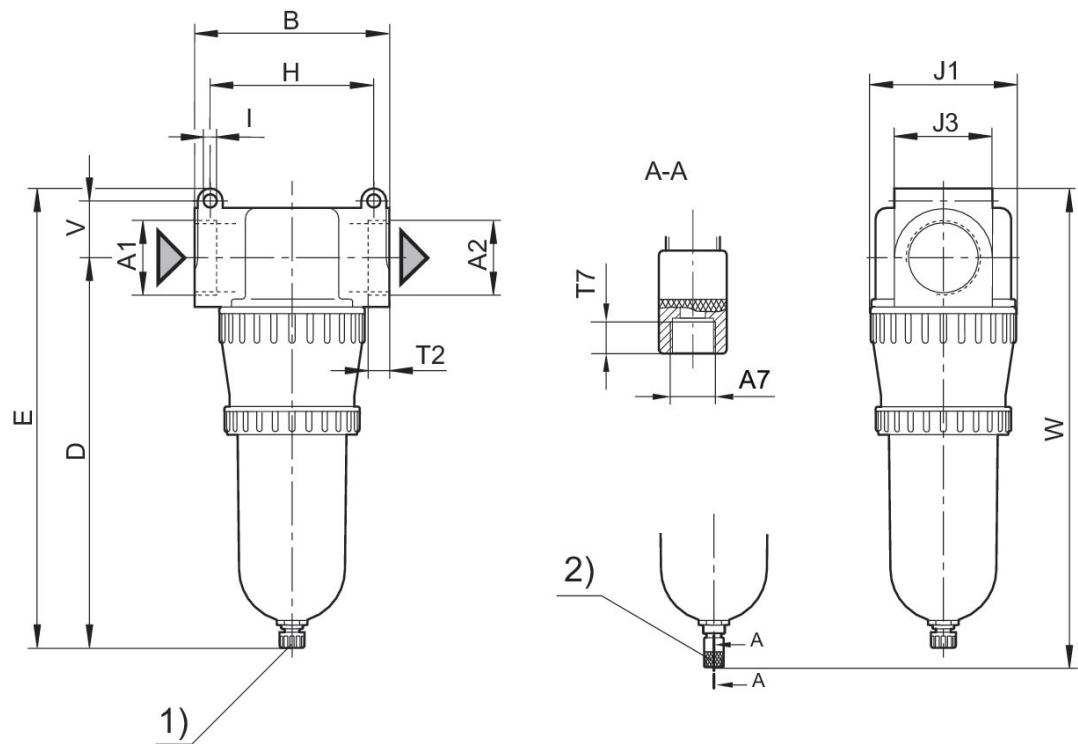
Filter, Series MU1-FLS

Parts: Filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C



Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Filter insert	Part No.
G 1	12500	40	semi-automatic, open without pressure	reservoir, polycarbonate, with metal protective guard	Polyethylene	R412007587
G 1	12500	40	fully automatic, open without pressure	Metal reservoir without window	Polyethylene	9155520220
G 1 1/4	12500	40	semi-automatic, open without pressure	reservoir, polycarbonate, with metal protective guard	Polyethylene	R412007588
G 1 1/4	12500	40	fully automatic, open without pressure	Metal reservoir without window	Polyethylene	R412006583
G 1 1/4	12500	40	Manual	Metal reservoir without window	Polyethylene	R412006565
G 1 1/2	12500	40	fully automatic, open without pressure	Metal reservoir without window	Polyethylene	R412007599
G 1 1/2	12500	40	Manual	Metal reservoir without window	Polyethylene	R412006566

Dimensions

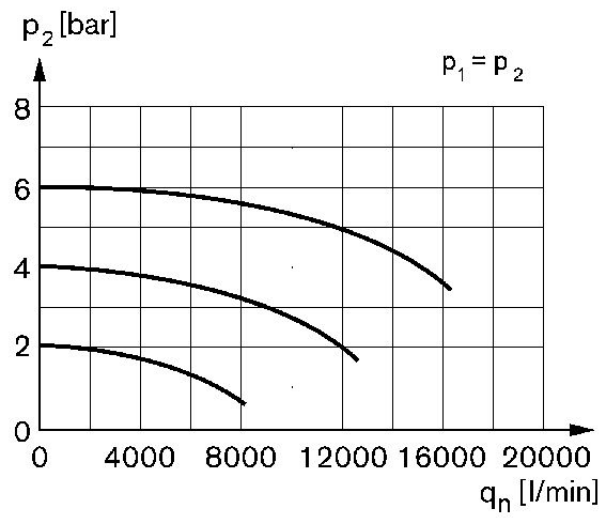


1) manual + semi-automatic condensate drain 2) fully automatic condensate drain

Part No.	A1	A2	A7	B ±7	D ±7	E ±7	H	I	J1
R412007587	G 1	G 1	G 1/8	125	250	286.5	105	8.5	100
9155520220	G 1	G 1	G 1/8	125	250	286.5	105	8.5	100
R412007588	G 1 1/4	G 1 1/4	G 1/8	125	250	286.5	105	8.5	100
R412006583	G 1 1/4	G 1 1/4	G 1/8	125	250	286.5	105	8.5	100
R412006565	G 1 1/4	G 1 1/4	G 1/8	125	250	286.5	105	8.5	100
R412007599	G 1 1/2	G 1 1/2	G 1/8	125	250	286.5	105	8.5	100
R412006566	G 1 1/2	G 1 1/2	G 1/8	125	250	286.5	105	8.5	100

Part No.	J3	T2	T7	V ±5	W ±7
R412007587	63	25	8.5	36.5	307
9155520220	63	25	8.5	36.5	307
R412007588	63	25	8.5	36.5	307
R412006583	63	25	8.5	36.5	307
R412006565	63	25	8.5	36.5	307
R412007599	63	25	8.5	36.5	307
R412006566	63	25	8.5	36.5	307

Flow rate characteristic, p2 = 0,05 - 7 bar



p2 = secondary pressure qn = nominal flow

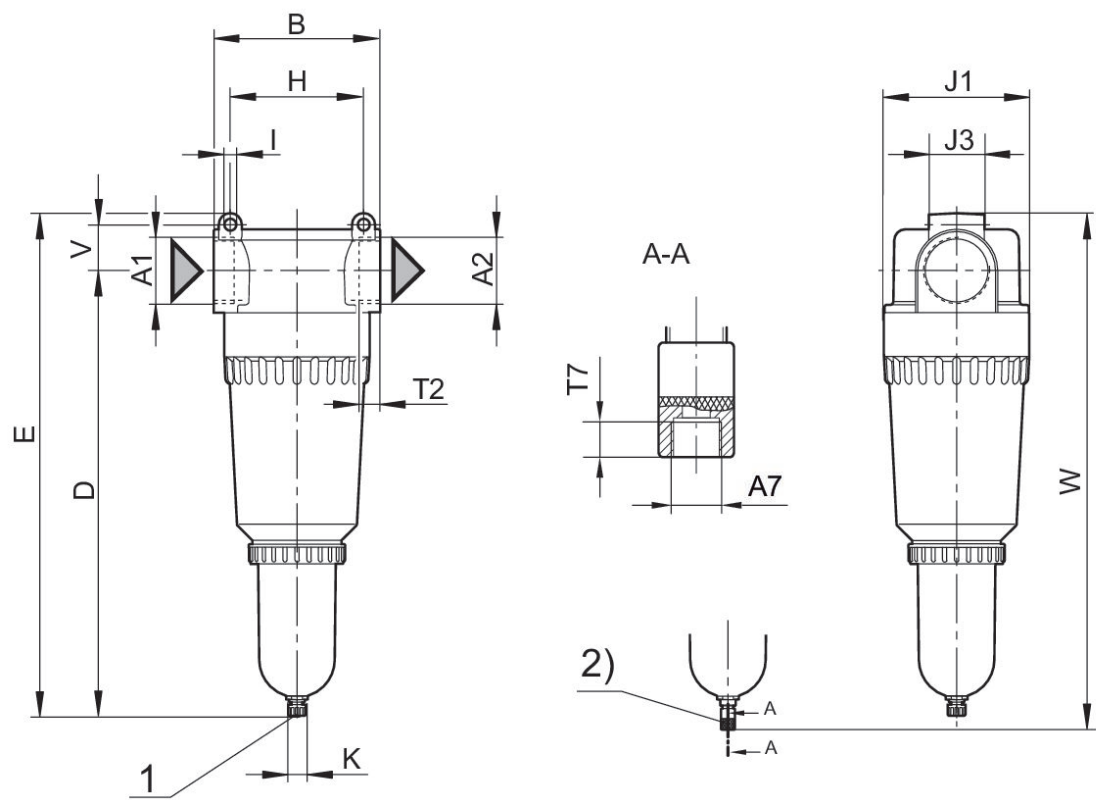
Filter, Series MU1-FLS

Flow: 30000 l/min
Parts: Filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C



Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Filter insert	Part No.
G 1 1/2	30000	8	Manual	reservoir, polycarbonate, with metal protective guard	Polyethylene	R412000667
G 2	30000	60	Manual	reservoir, polycarbonate, without protective guard	Polyethylene	R412006568
G 2	30000	60	fully automatic, open without pressure	Metal reservoir without window	Polyethylene	R412006570
G 2	30000	8	fully automatic, open without pressure	Metal reservoir without window	Polyethylene	R412006571

Dimensions



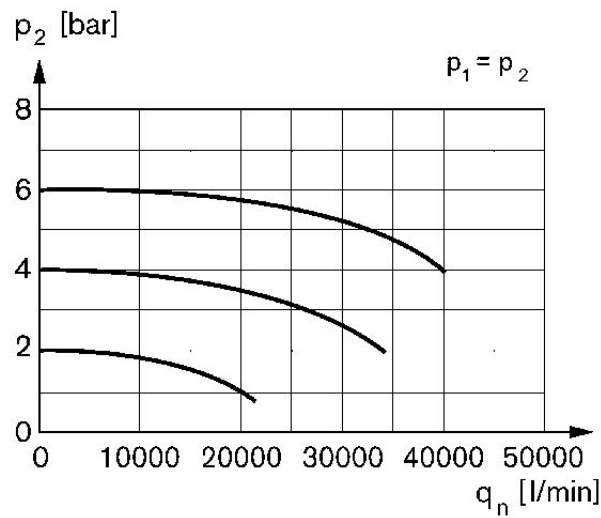
1) manual condensate drain 2) fully automatic condensate drain

Part No.	A1	A2	A7	B ±7	D ±7	E ±7	H	I	J1
R412000667	G 1 1/2	G 1 1/2	G 1/8	150	383	424	120	10.5	131
R412006568	G 2	G 2	G 1/8	150	400.5	452	120	10.5	131
R412006570	G 2	G 2	G 1/8	150	400.5	452	120	10.5	131
R412006571	G 2	G 2	G 1/8	150	400.5	452	120	10.5	131

Part No.	J3	T2	T7	V ±5	W ±7				
R412000667	50	24	8.5	41	441.5				
R412006568	50	24	8.5	41	464.5				
R412006570	50	24	8.5	41	464.5				
R412006571	50	24	8.5	41	464.5				

Part No.		
R412000667		
R412006568		
R412006570		
R412006571		

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



p_2 = secondary pressure q_n = nominal flow

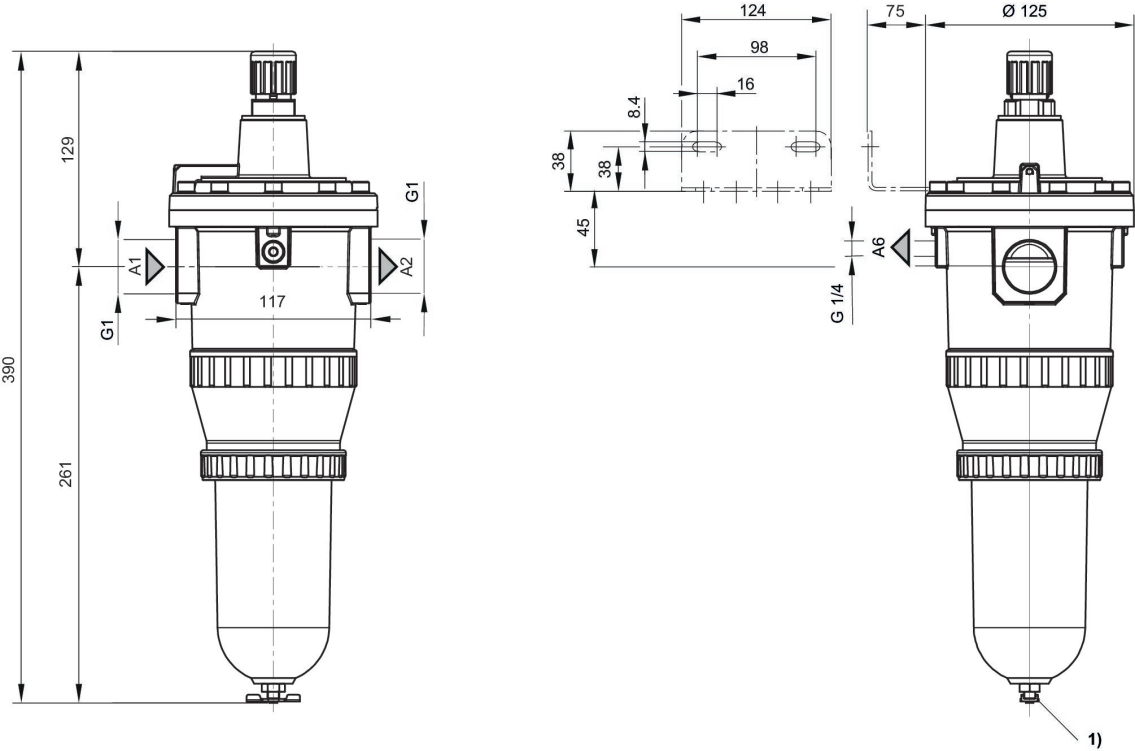
Filter pressure regulator, Series MU1-FRE

Flow: 7000 l/min
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0.5 bar
Max. working pressure: 16 bar



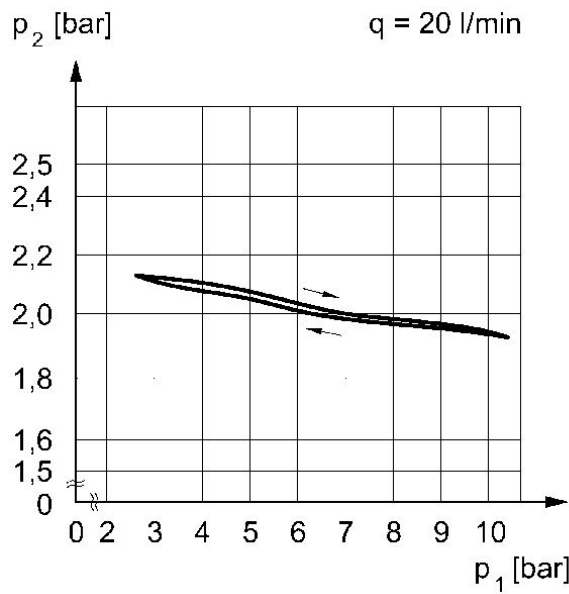
Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Part No.
G 1	7000	40	Manual	Metal reservoir without window	9155522410

Dimensions



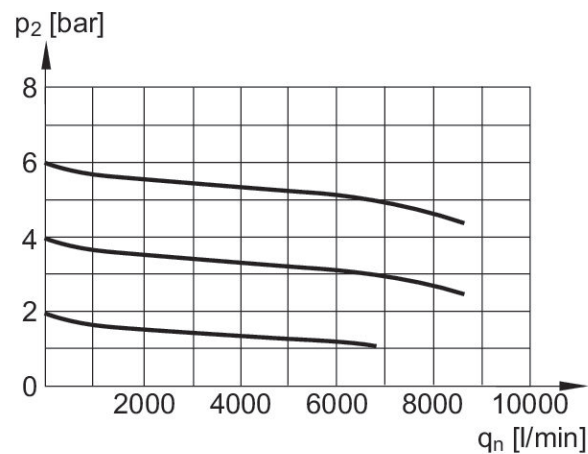
1) Semi-automatic condensate drain

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
 q = flow rate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



p_1 = Working pressure p_2 = Secondary pressure q_n = Nominal flow

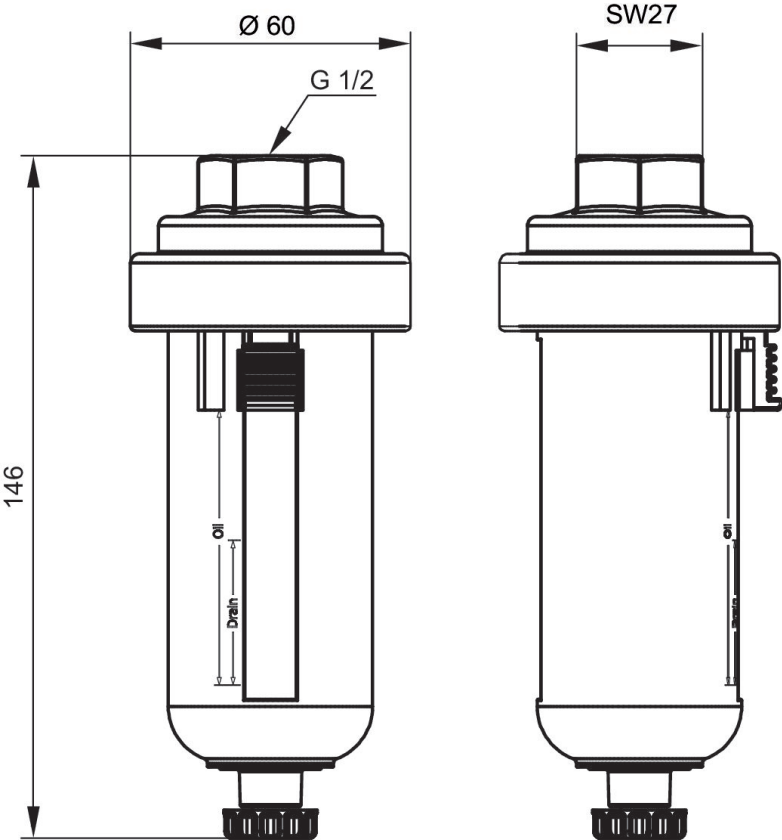
Condensate separator, Series MU1

Parts: Condensate separator
Min. ambient temperature: 0 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 16 bar



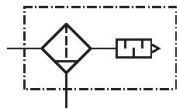
Port	Condensate drain	Filter reservoir volume [cm³]	Part No.
G 1/2	semi-automatic, open without pressure	49	R412010688
G 1/2	fully automatic, open without pressure	49	R412010689
G 1/2	fully automatic, closed without pressure	49	R412010690

Dimensions



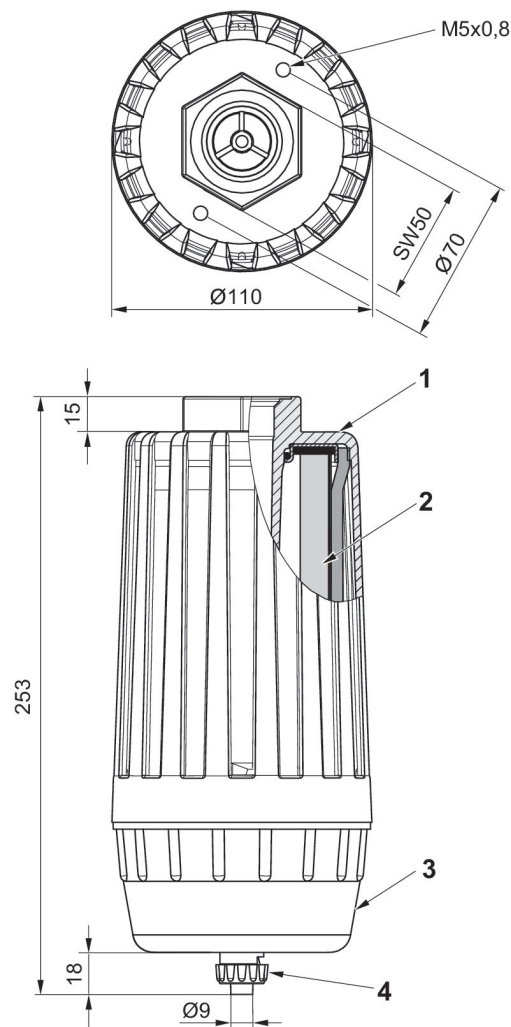
Oil separator, Series MU1

Flow: 32000 l/min
Parts: Oil separator
Min. ambient temperature: -20 °C
Max. ambient temperature: 120 °C
Min. working pressure: 0 bar
Max. working pressure: 16 bar



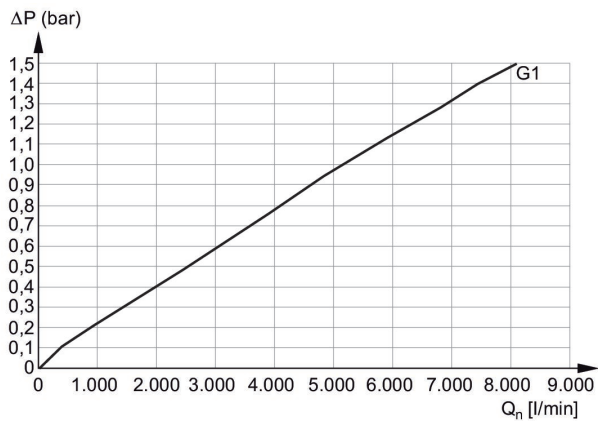
Port	Nominal flow [l/min]	Reservoir	Part No.
G 1	32000	Reservoir Polypropylene	R412028130

Dimensions in mm



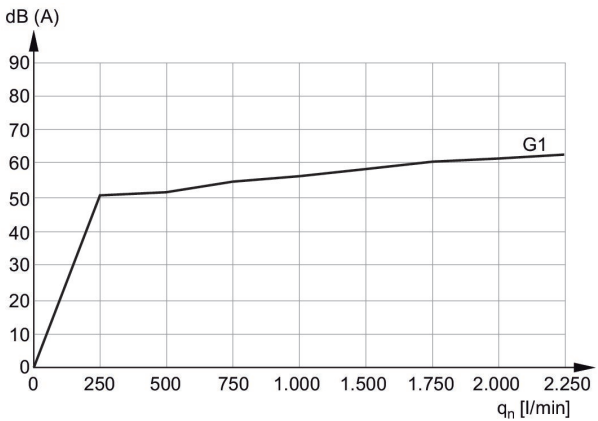
- 1) Housing
- 2) microfilter element
- 3) PC reservoir
- 4) Drain valve

Flow rate characteristic, p2 = 0,05 - 7 bar



qn = Nominal flow

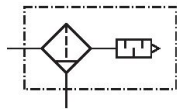
noise emission



qn = Nominal flow

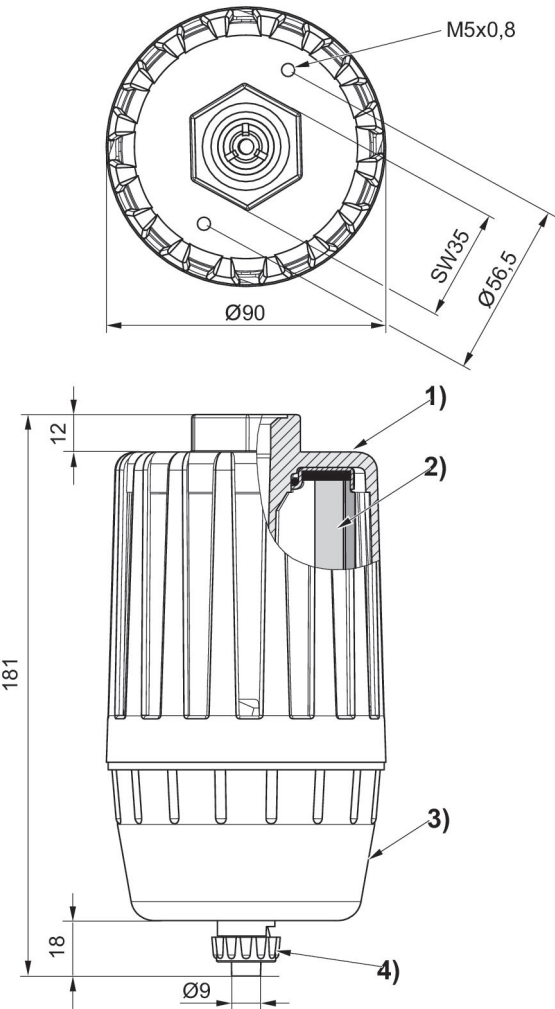
Oil separator, Series MU1

Flow: 9000 l/min
Parts: Oil separator
Min. ambient temperature: -20 °C
Max. ambient temperature: 120 °C
Min. working pressure: 0 bar
Max. working pressure: 16 bar



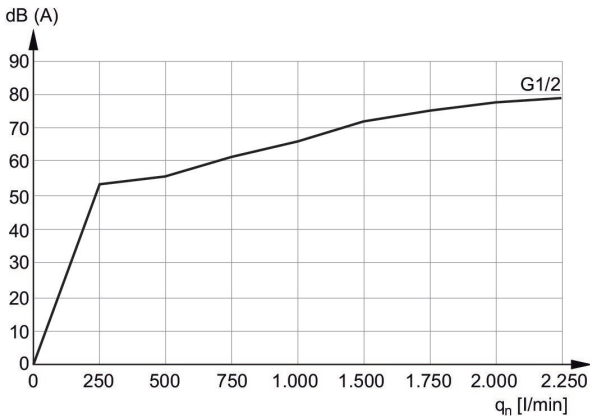
Port	Nominal flow [l/min]	Reservoir	Part No.
G 1/2	9000	Reservoir Polypropylene	R412028128

Dimensions in mm



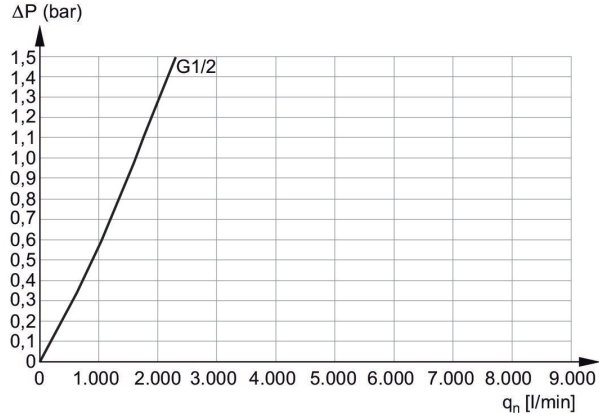
- 1) Housing
- 2) microfilter element
- 3) PC reservoir
- 4) Drain valve

noise emission



qn = Nominal flow

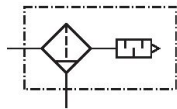
Flow rate characteristic, p2 = 0,05 - 7 bar



qn = Nominal flow

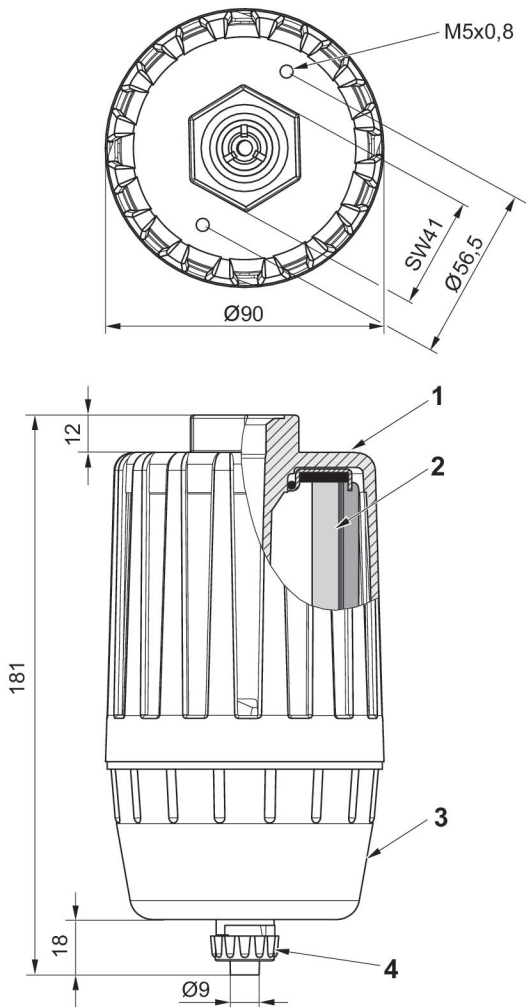
Oil separator, Series MU1

Flow: 12000 l/min
Parts: Oil separator
Min. ambient temperature: -20 °C
Max. ambient temperature: 120 °C
Min. working pressure: 0 bar
Max. working pressure: 16 bar



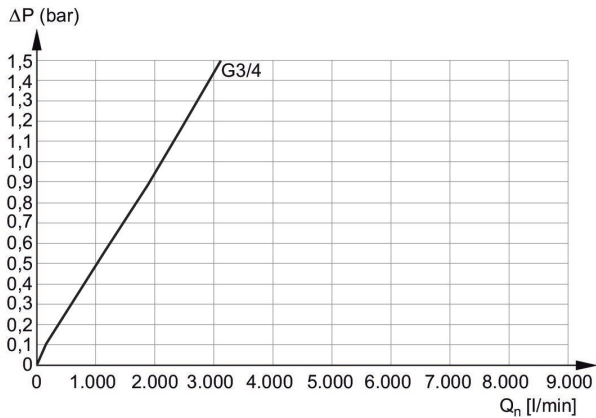
Port	Nominal flow [l/min]	Reservoir	Part No.
G 3/4	12000	Reservoir Polypropylene	R412028129

Dimensions in mm



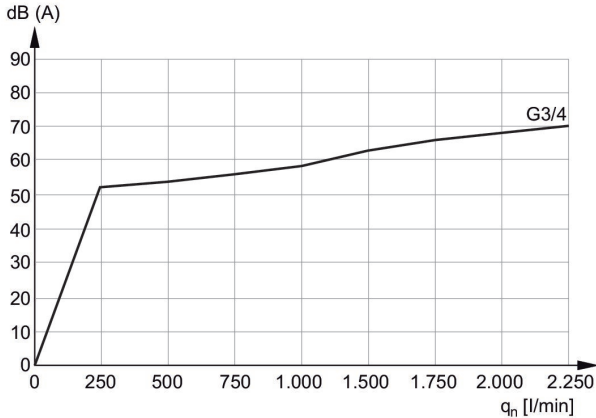
- 1) Housing
- 2) microfilter element
- 3) PC reservoir
- 4) Drain valve

Flow rate characteristic, p2 = 0,05 - 7 bar



qn = Nominal flow

noise emission



qn = Nominal flow

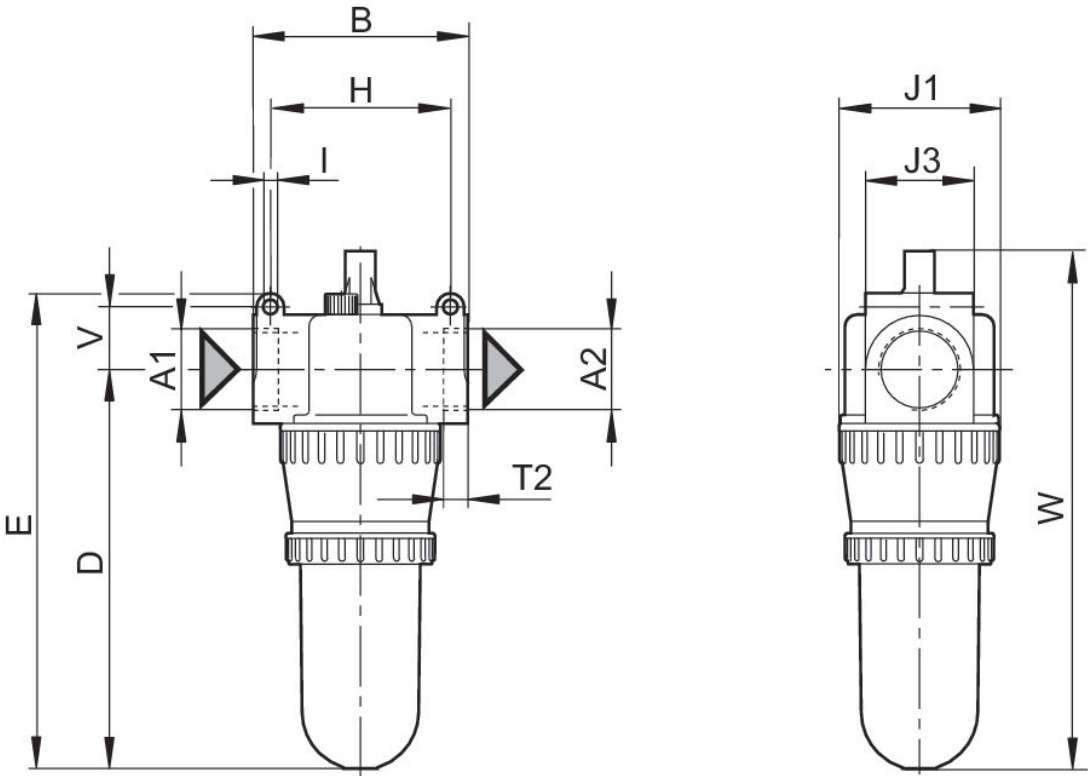
Standard oil-mist lubricator, Series MU1-LBS

Flow: 9000 l/min
Parts: Lubricator
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0.5 bar
Max. working pressure: 25 bar



Port	Nominal flow [l/min]	Reservoir	Lubricator reservoir volume [cm³]	Part No.
G 1 1/4	9000	Metal reservoir without window	550	R412006579
G 1 1/2	9000	Metal reservoir without window	550	R412006580

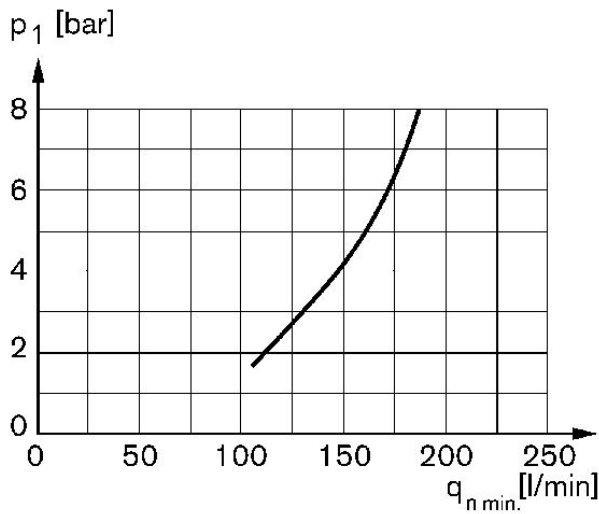
Dimensions



Part No.	A1	A2	B ±7	D ±7	E ±7	H	I	J1	J3
R412006579	G1 1/4	G1 1/4	125	232.5	278	105	8.5	100	63
R412006580	G1 1/2	G1 1/2	125	232.5	278	105	8.5	100	63

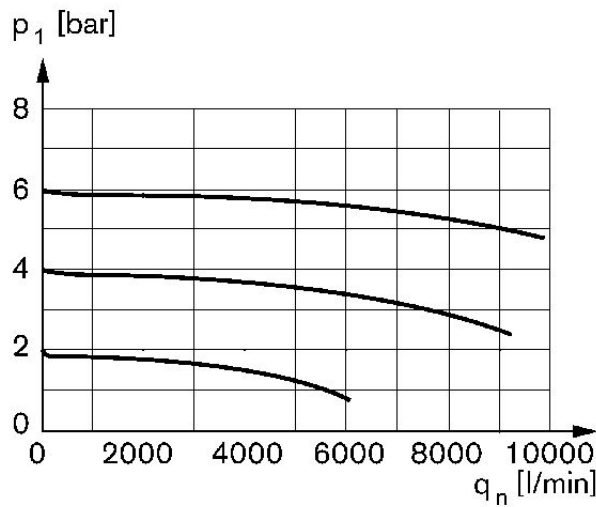
Part No.	T2	V ±5	W ±7
R412006579	25	36.5	301.5
R412006580	25	36.5	301.5

minimum flow rate curve (flow rate necessary for the correct functioning of the lubricator)



p1 = Working pressure
qn = Nominal flow

Flow rate characteristic, p2 = 0,05 - 7 bar



p1 = Working pressure
qn = Nominal flow

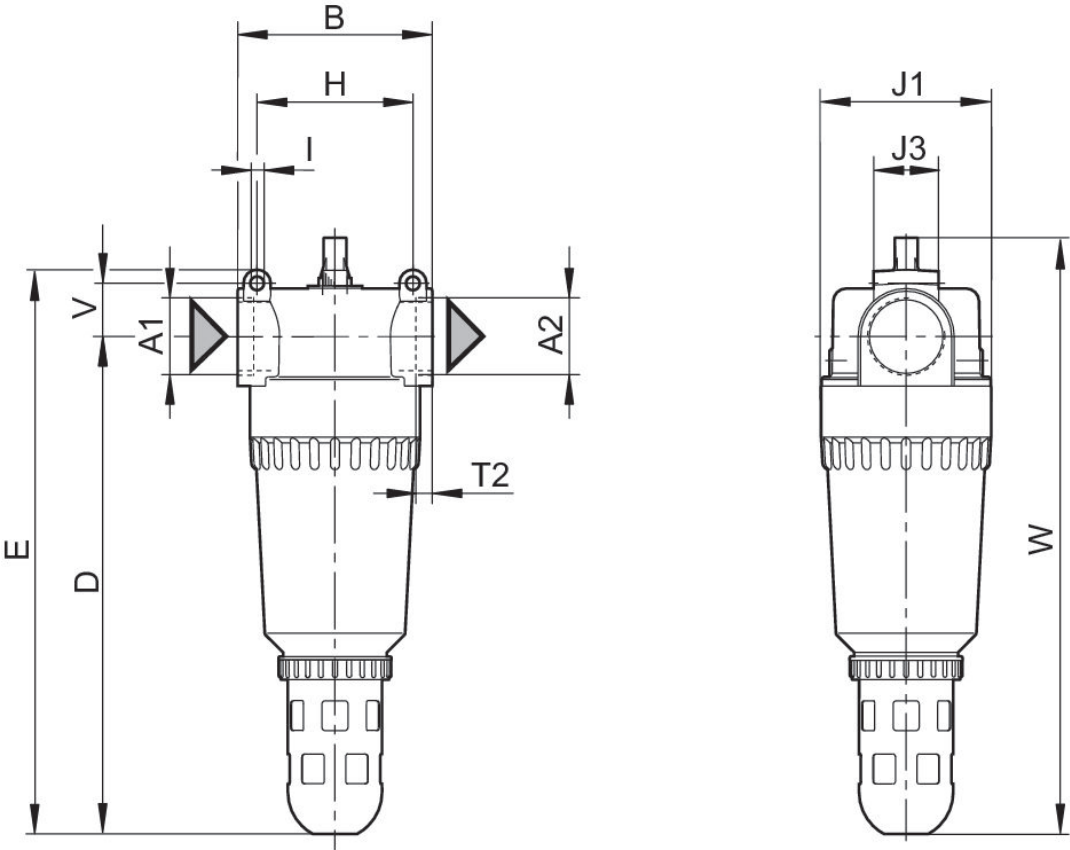
Standard oil-mist lubricator, Series MU1-LBS

Flow: 25000 l/min
Parts: Lubricator
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0.5 bar
Max. working pressure: 16 bar



Port	Nominal flow [l/min]	Reservoir	Lubricator reservoir volume [cm³]	Part No.
G 2	25000	reservoir, polycarbonate, with metal protective guard	1700	R412006581

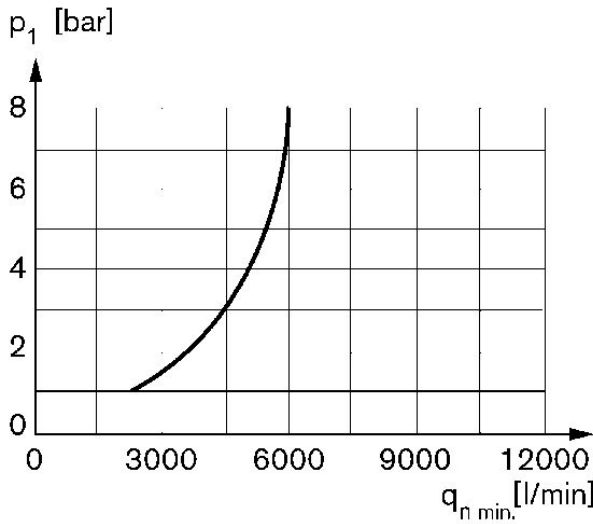
Dimensions



Part No.	A1	A2	B ±7	D ±7	E ±7	H	I	J1	J3
R412006581	G 2	G 2	150	383	436	120	10.5	130	50

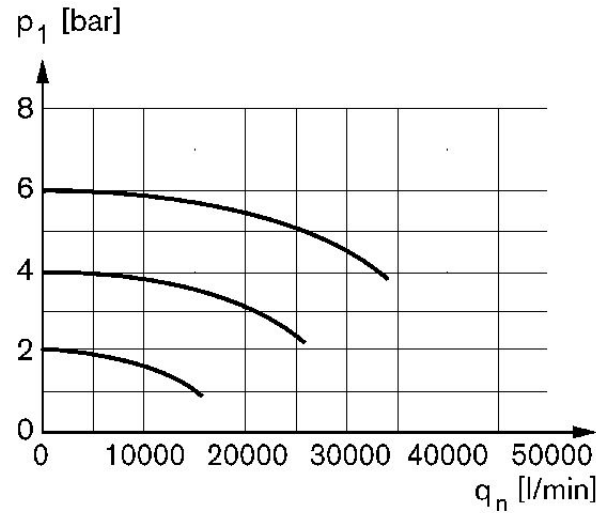
Part No.	T2	V ±5	W ±7
R412006581	24	41	459

minimum flow rate curve (flow rate necessary for the correct functioning of the lubricator)



p_1 = Working pressure
 q_n = Nominal flow

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



p_1 = Working pressure
 q_n = Nominal flow

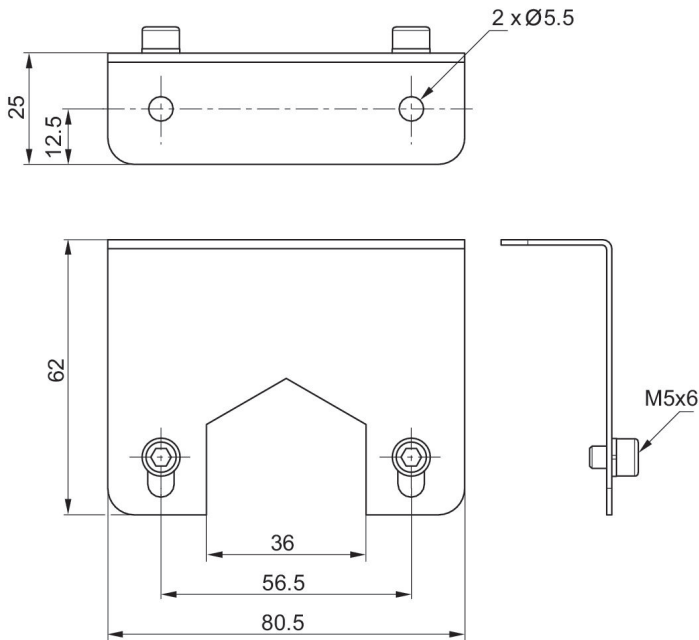
Mounting bracket, Series MU1-MBR-...-W02

For series: MU1



Material	Scope of delivery [piece]	Part No.
Galvanized Steel	1	R412028134

Dimensions in mm



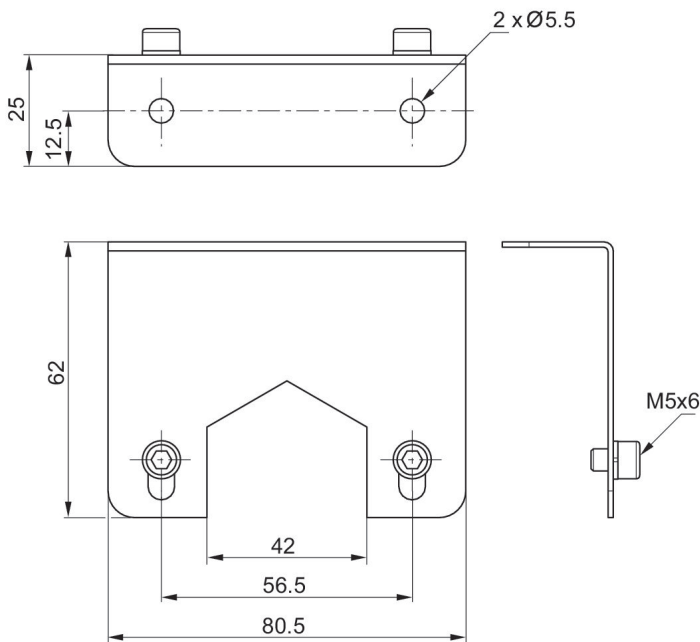
Mounting bracket, Series MU1-MBR-...-W02

For series: MU1



Material	Scope of delivery [piece]	Part No.
Galvanized Steel	1	R412028148

Dimensions in mm



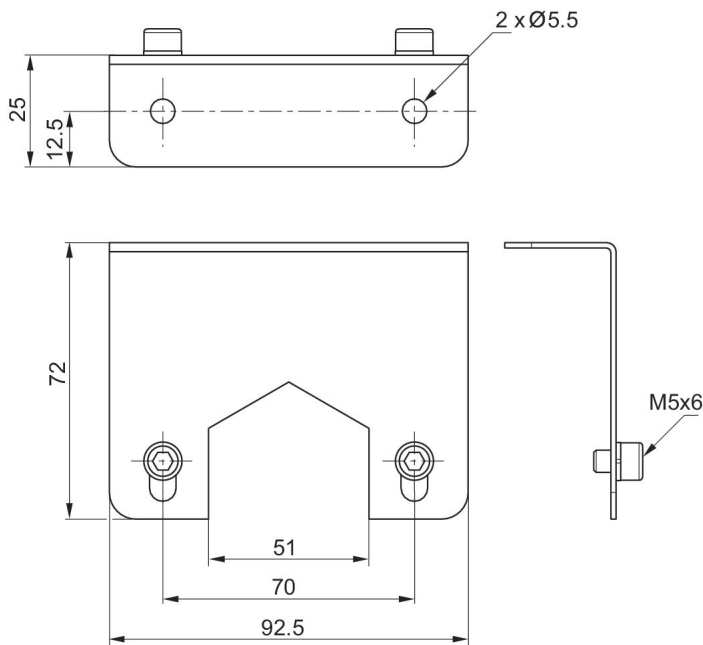
Mounting bracket, Series MU1-MBR-...-W02

For series: MU1



Material	Scope of delivery [piece]	Part No.
Galvanized Steel	1	R412028149

Dimensions in mm



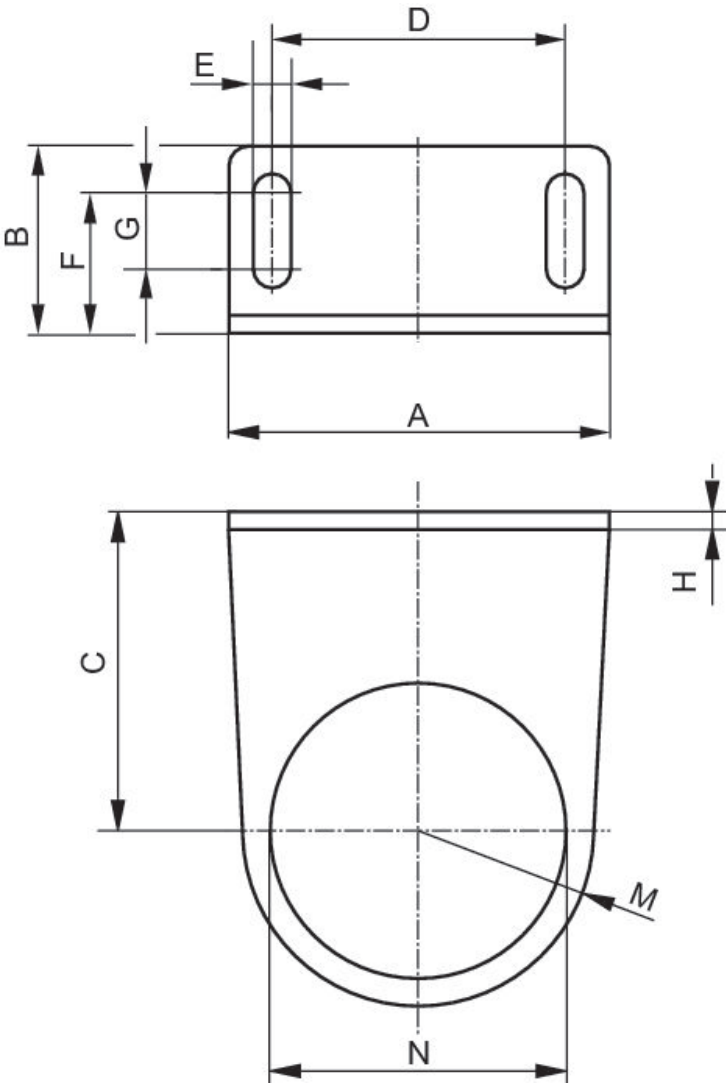
Mounting bracket, Series NL1/NL2-MBR-...-W02

Min. ambient temperature: -40 °C
Max. ambient temperature: 60 °C



Material	Part No.
Steel, chrome-plated	1821331013

Dimensions



Part No.	A	B	C	D	E	F	G	H	M
1821331013	48	27	43.5	38	5.4	18.5	8	3	20

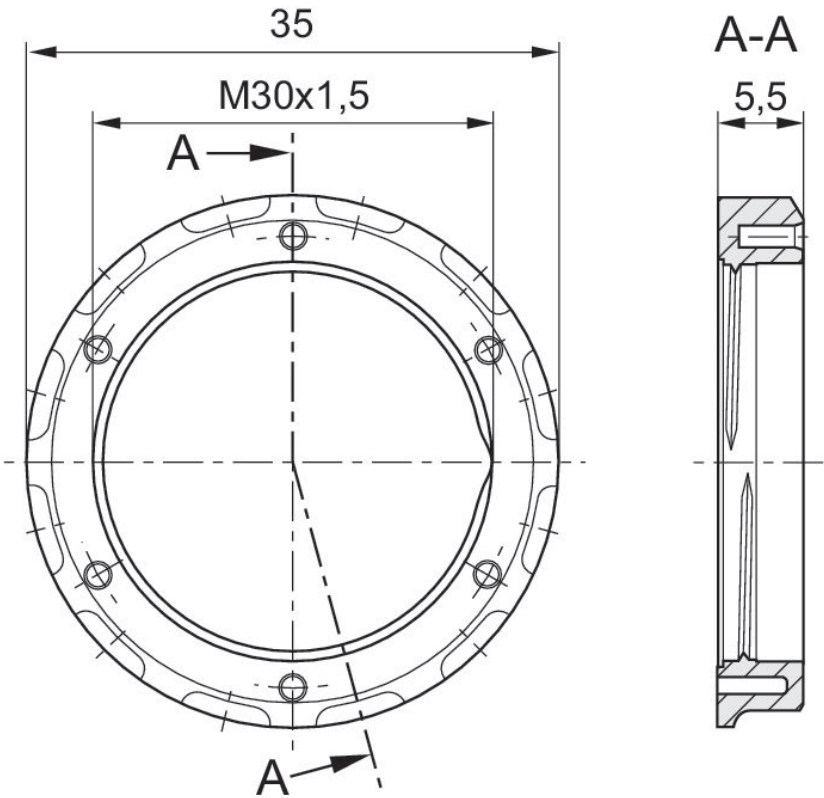
Part No.	N
1821331013	30.5

Panel nut, Series AS-MBR-...-W06



Port	Material	Scope of delivery [piece]	Part No.
M30x1,5	Brass	5	1829234070

Dimensions in mm



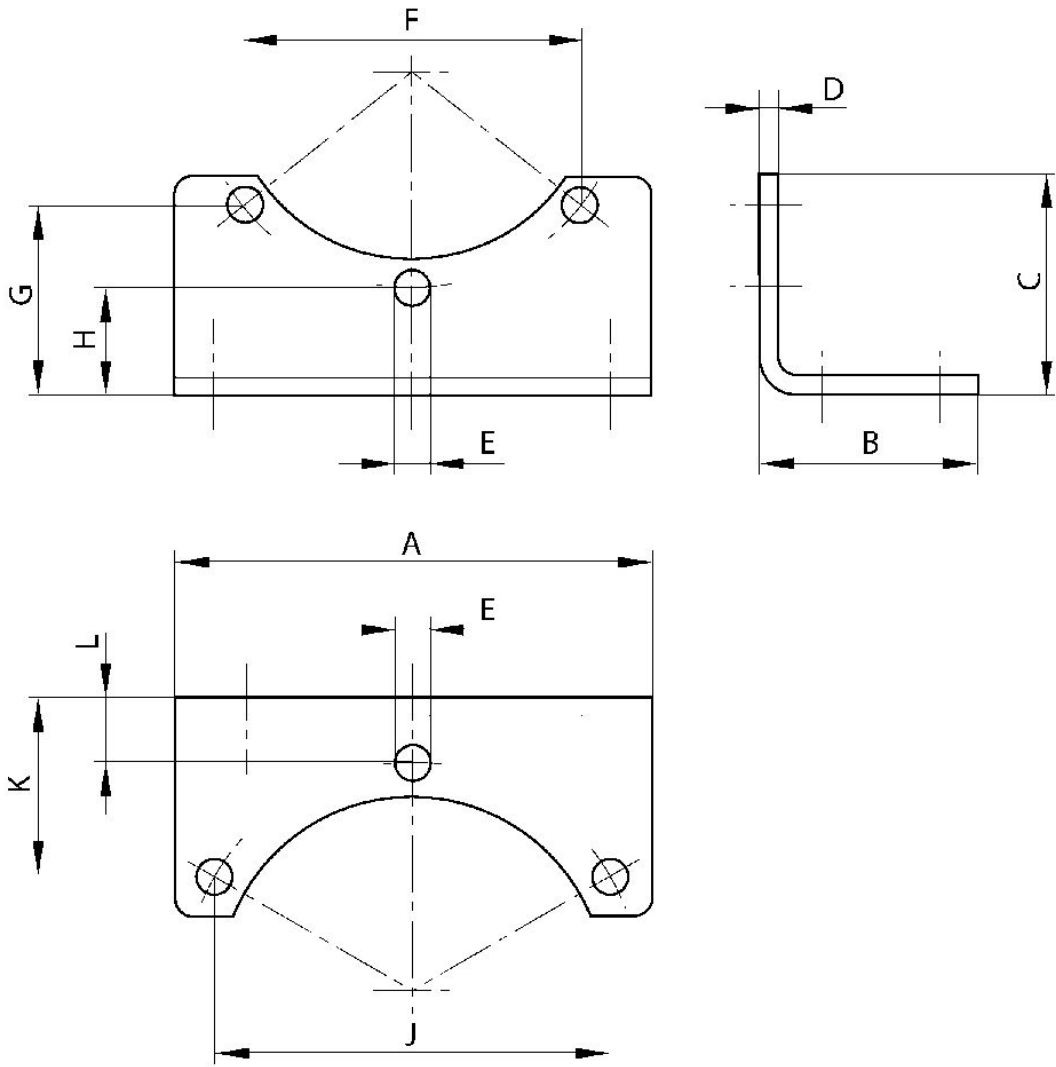
Mounting bracket, Series MU1/PR1-MBR-...-W02

For series: MU1 PR1
Min. ambient temperature: -40 °C
Max. ambient temperature: 60 °C



Material	Part No.
Steel, chrome-plated	R412004872

Dimensions

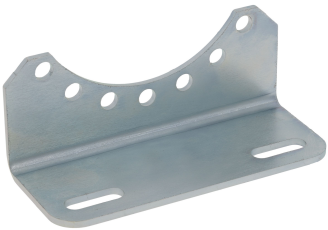


Part No.		A	B	C	D	E	F	G	H
R412004872	G1	76	35	35	3	5.5	53.6	30.1	17

Part No.	J	K	L
R412004872	63.2	28.8	10.5

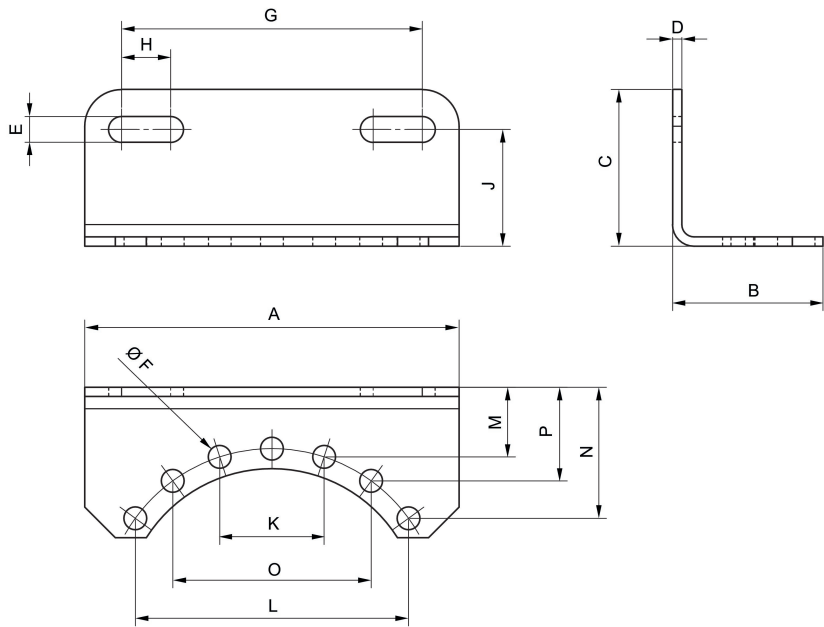
Mounting bracket, Series MU1-MBR-...-W02

For series: MU1
Min. ambient temperature: -40 °C
Max. ambient temperature: 60 °C



Material	Part No.
Steel, chrome-plated	R412004873

Dimensions

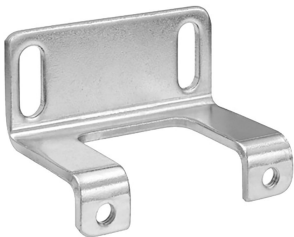


Part No.	A	B	C	D	E	F	G	H	J
R412004873	124	49	51	3	8,4	7,4	98	16	38

Part No.	K	L	M	N	O	P
R412004873	34	89	22,9	42,7	64,7	30,5

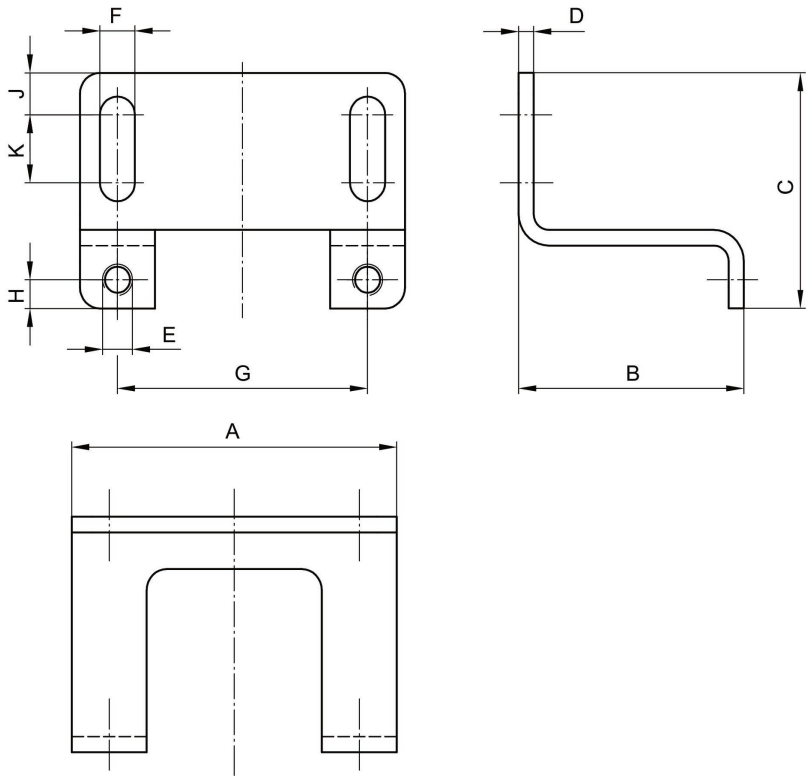
Mounting bracket, Series MU1-MBR-...-W02

For series: MU1
Min. ambient temperature: -40 °C
Max. ambient temperature: 60 °C



Material	Part No.
Steel, chrome-plated	R412004874

Dimensions



Dimensions in mm

Part No.	A	B	C	D	E	F	G	H	J
R412004874	65	45	45	3	M6	7	50	5.5	8

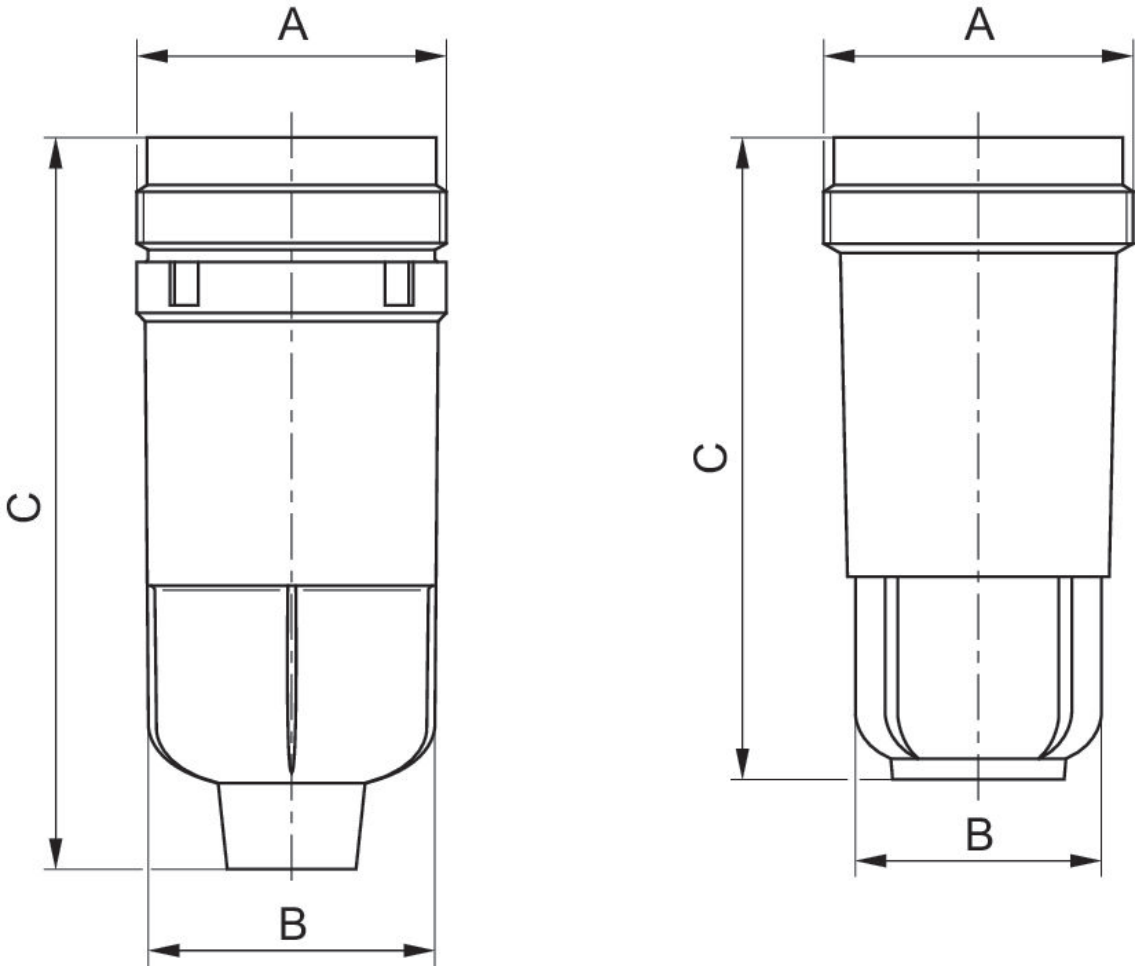
Part No.	K
R412004874	13

Reservoir

Parts: Reservoir
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 16 bar



Filter reservoir volume [cm³]	Part No.
550	R412004881
1700	R412004882



Part No.	A	B	C
R412004881	M36x1,5	34	85

Part No.	A	B	C
R412004882	M36x1,5	33.5	71.5

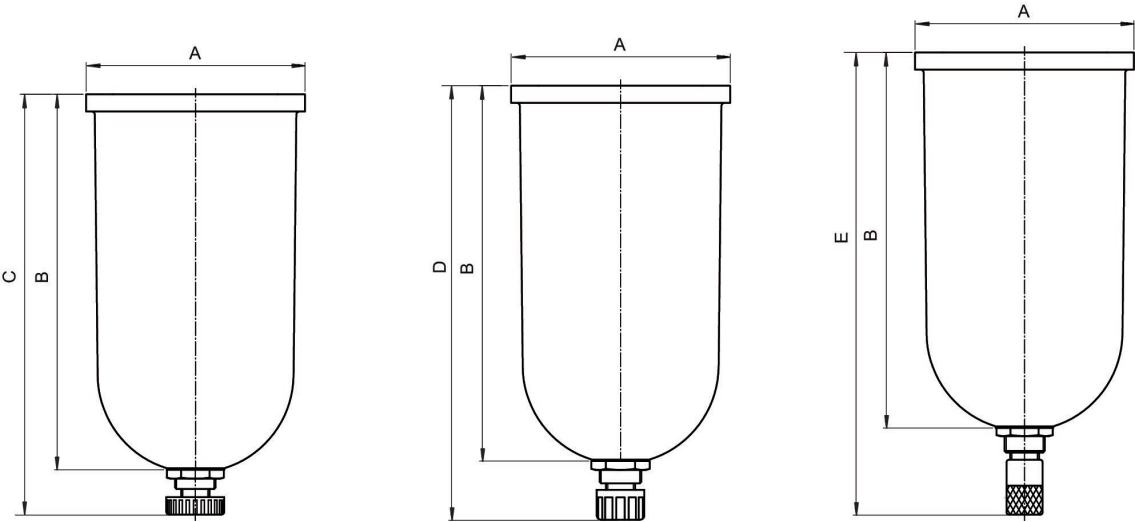
Reservoir, Series MU1

For series: MU1
Parts: Reservoir
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 16 bar



Condensate drain	Filter reservoir volume [cm³]	Part No.
Manual	300	R412004876
semi-automatic, open without pressure	300	R412004877
fully automatic, open without pressure	300	R412004875

Dimensions



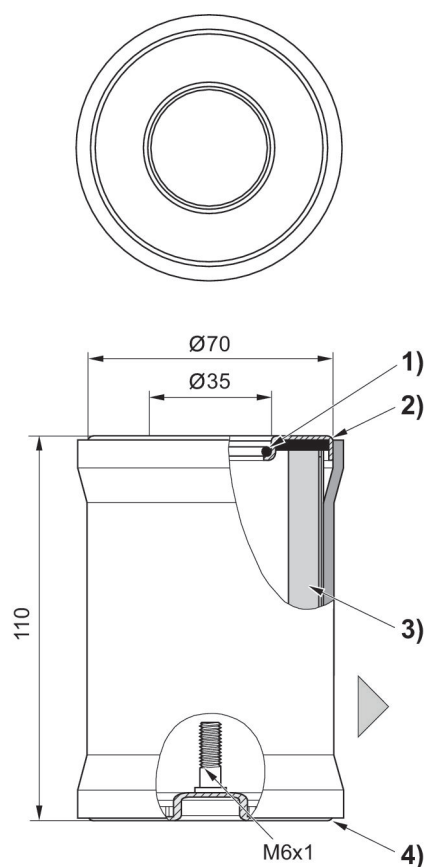
Part No.	ØA	B	C	D	E
R412004875	76	130	-		160
R412004876	76	130	-	149.7	
R412004877	76	130	145.3	-	

replacement filter



Part No.
R412028131

Dimensions in mm



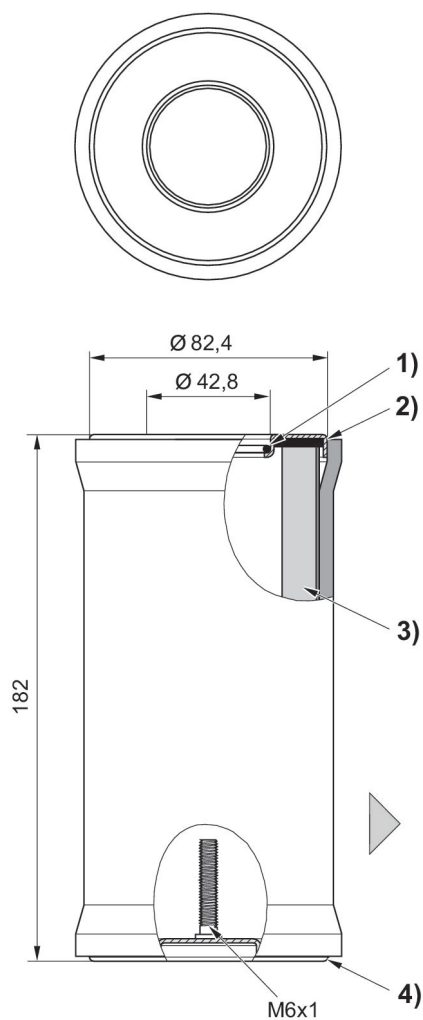
- 1) O-ring
- 2) Top end cap
- 3) microfilter element
- 4) Bottom end cap

replacement filter



Part No.
R412028132

Dimensions in mm



- 1) O-ring
- 2) Top end cap
- 3) microfilter element
- 4) Bottom end cap

Pressure gauge, Series PG1-SAS

Standards: EN 837-1

Min. ambient temperature: -40 °C

Max. ambient temperature: 60 °C

Min. working pressure: 0 bar

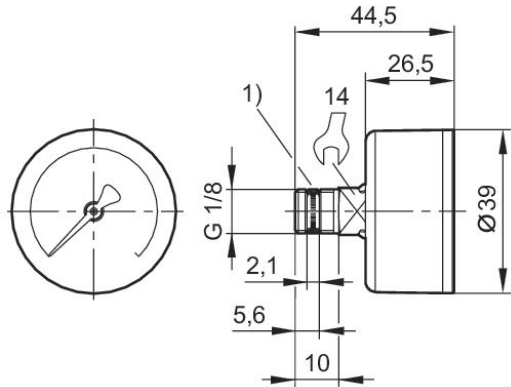


Type	Nominal diameter [mm]	Port	Min. main scale display range [bar]	Max. main scale display range [bar]	Min. main scale display range [bar]	Max. main scale display range [bar]	Part No.
Bourdon tube pressure gauge	40	G 1/8	0	1.2	0	1.6	R412003853
Bourdon tube pressure gauge	40	G 1/8	0	2	0	2.5	R412003854
Bourdon tube pressure gauge	40	G 1/8	0	3.2	0	4	R412003855
Bourdon tube pressure gauge	40	G 1/8	0	4	0	6	R412003856
Bourdon tube pressure gauge	40	G 1/8	0	8	0	10	R412003857
Bourdon tube pressure gauge	40	G 1/8	0	12	0	16	R412003858
Bourdon tube pressure gauge	40	G 1/4	0	1.2	0	1.6	R412004407
Bourdon tube pressure gauge	40	G 1/4	0	2	0	2.5	R412004408
Bourdon tube pressure gauge	40	G 1/4	0	3.2	0	4	R412004409
Bourdon tube pressure gauge	40	G 1/4	0	4	0	6	R412004410
Bourdon tube pressure gauge	40	G 1/4	0	8	0	10	R412004411
Bourdon tube pressure gauge	40	G 1/4	0	12	0	16	R412004412
Bourdon tube pressure gauge	50	G 1/4	0	1.2	0	1.6	R412004413
Bourdon tube pressure gauge	50	G 1/4	0	2	0	2.5	R412004414
Bourdon tube pressure gauge	50	G 1/4	0	3.2	0	4	R412004415
Bourdon tube pressure gauge	50	G 1/4	0	4	0	6	R412004416
Bourdon tube pressure gauge	50	G 1/4	0	8	0	10	R412004417
Bourdon tube pressure gauge	50	G 1/4	0	12	0	16	R412004418

Type	Nominal diameter [mm]	Port	Min. main scale display range [bar]	Max. main scale display range [bar]	Min. main scale display range [bar]	Max. main scale display range [bar]	Part No.
Bourdon tube pressure gauge	50	G 1/4	0	20	0	25	R412007898
Bourdon tube pressure gauge	63	G 1/4	0	1.2	0	1.6	R412004419
Bourdon tube pressure gauge	63	G 1/4	0	2	0	2.5	R412004420
Bourdon tube pressure gauge	63	G 1/4	0	3.2	0	4	R412004421
Bourdon tube pressure gauge	63	G 1/4	0	4	0	6	R412004422
Bourdon tube pressure gauge	63	G 1/4	0	8	0	10	R412004423
Bourdon tube pressure gauge	63	G 1/4	0	12	0	16	R412004424

R412003853, R412003854, R412003855,
R412003856, R412003857, R412003858

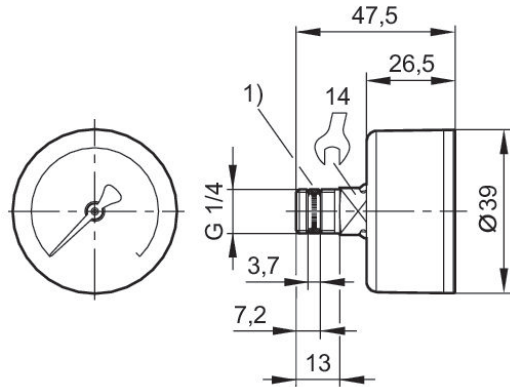
Dimensions in mm



1) Gasket thread

R412004407, R412004408, R412004409,
R412004410, R412004411, R412004412

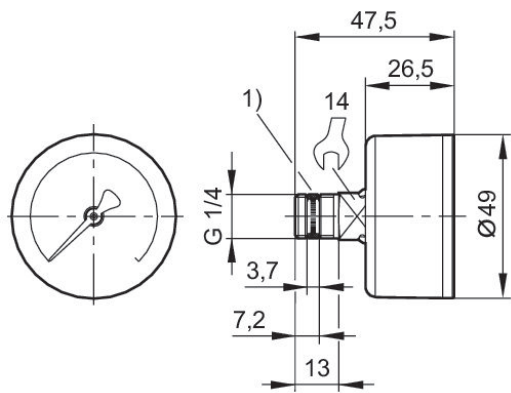
Dimensions in mm



1) Gasket thread

R412004413, R412004414, R412004415,
R412004416, R412004417, R412004418,
R412007898

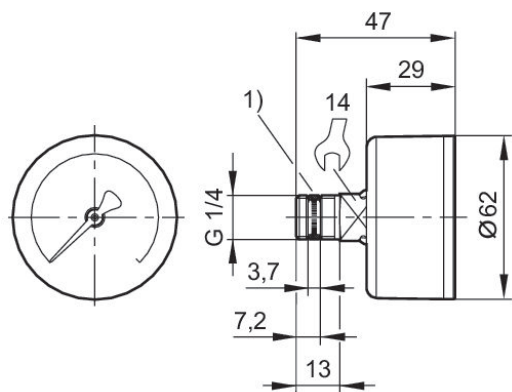
Dimensions in mm



1) Gasket thread

R412004419, R412004420, R412004421,
R412004422, R412004423, R412004424

Dimensions in mm



1) Gasket thread

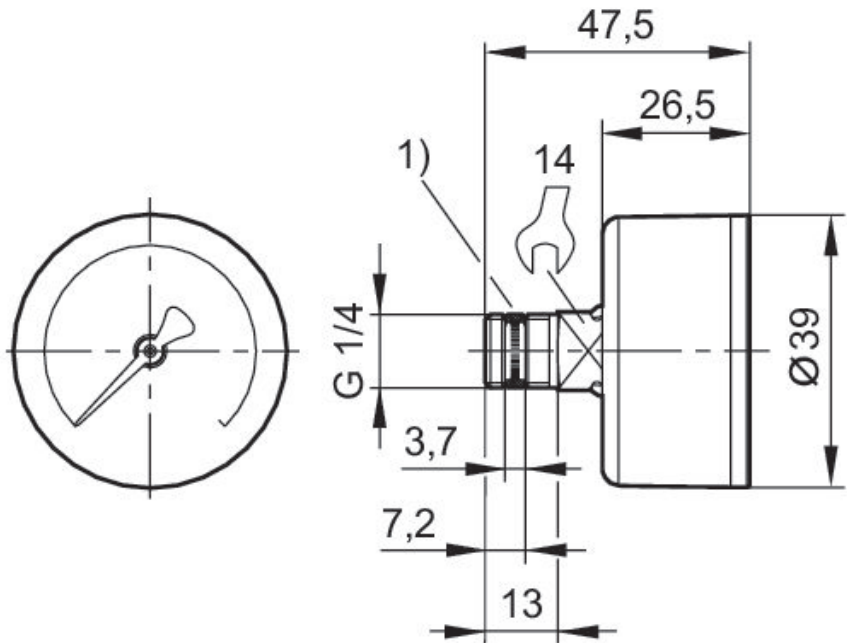
Pressure gauge, Series PG1-SAS-ADJ

Standards: EN 837-1
Min. ambient temperature: -40 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0 bar



Type	Nominal diameter [mm]	Port	Min. main scale display range [bar]	Max. main scale display range [bar]	Min. main scale display range [bar]	Max. main scale display range [bar]	Part No.
Bourdon tube pressure gauge	50	G 1/4	0	1.2	0	1.6	R412007867
Bourdon tube pressure gauge	50	G 1/4	0	2	0	2.5	R412007868
Bourdon tube pressure gauge	50	G 1/4	0	3.2	0	4	R412007869
Bourdon tube pressure gauge	50	G 1/4	0	4	0	6	R412007870
Bourdon tube pressure gauge	50	G 1/4	0	8	0	10	R412007871
Bourdon tube pressure gauge	50	G 1/4	0	12	0	16	R412007872

Dimensions in mm



1) Gasket thread

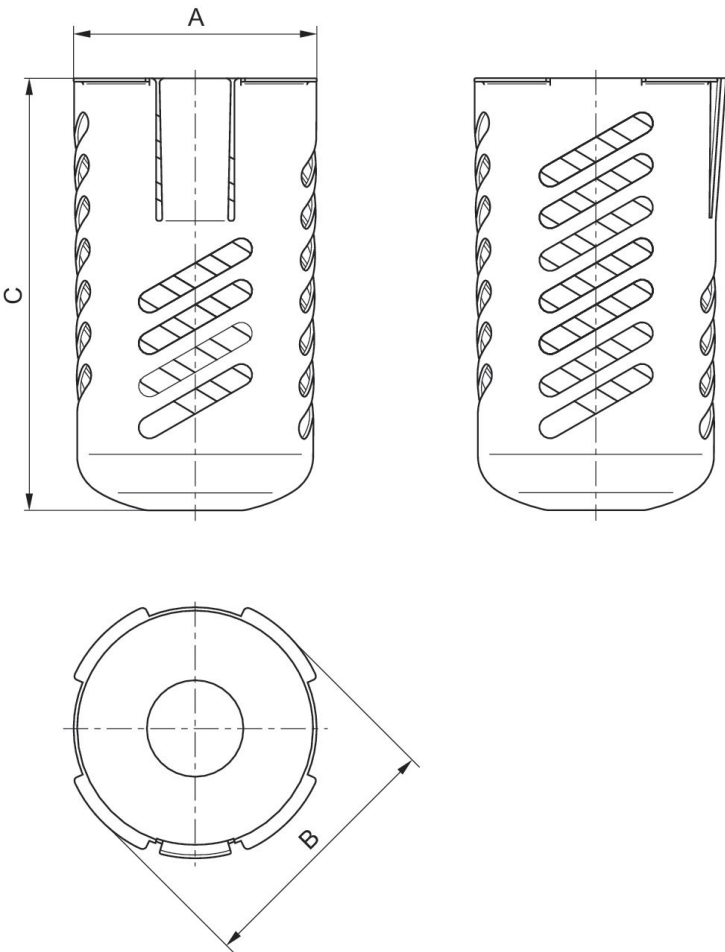
Dimensions in mm

	Compressed air connection	Nominal diameter	Ø A	B	C	D	E	F	SW
R412007867	G 1/4	50	49	47.5	26.5	13	7.2	3.7	14
R412007868	G 1/4	50	49	47.5	26.5	13	7.2	3.7	14
R412007869	G 1/4	50	49	47.5	26.5	13	7.2	3.7	14
R412007870	G 1/4	50	49	47.5	26.5	13	7.2	3.7	14
R412007871	G 1/4	50	49	47.5	26.5	13	7.2	3.7	14
R412007872	G 1/4	50	49	47.5	26.5	13	7.2	3.7	14

Protective guard for filter and lubricator



Type	Part No.
MU1	R412004879

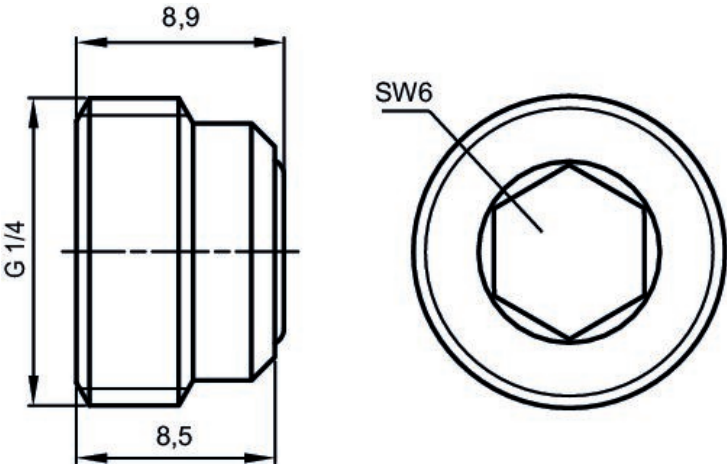


Part No.	Type	A	B	C
R412004879	MU1	38	43	86

Orifice plugs



Type	Delivery unit [piece]	Material	Part No.
Orifice plugs	10	Polyamide	R412010124



Efficient pneumatic solutions, our program:
cylinders and drives, valves and valve systems,
air supply management, proportional pressure
control valves



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