Series NL6

AVENTICS™

AVENTICS Series NL6 Air Preparation Units

EMERSON™

Series NL6

The AVENTICS Series NL maintenance units are suitable for all areas: as individual components or as assembled maintenance units, for centralized or decentralized compressed air preparation, in compact or powerful versions, for use in high or low temperatures. This line offers a complete, customizable compressed air preparation technology. It includes an option to combine every component in the Series to achieve the desired function, making it possible to adjust the components precisely to the application requirements.

- Easy-to-assemble
- Manual, semi-automatic or fully-automatic condensate drains available
- Transparent reservoirs available
- Bayonet catches ensure easy maintenance

Product overview

Product overview

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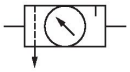
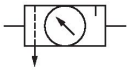
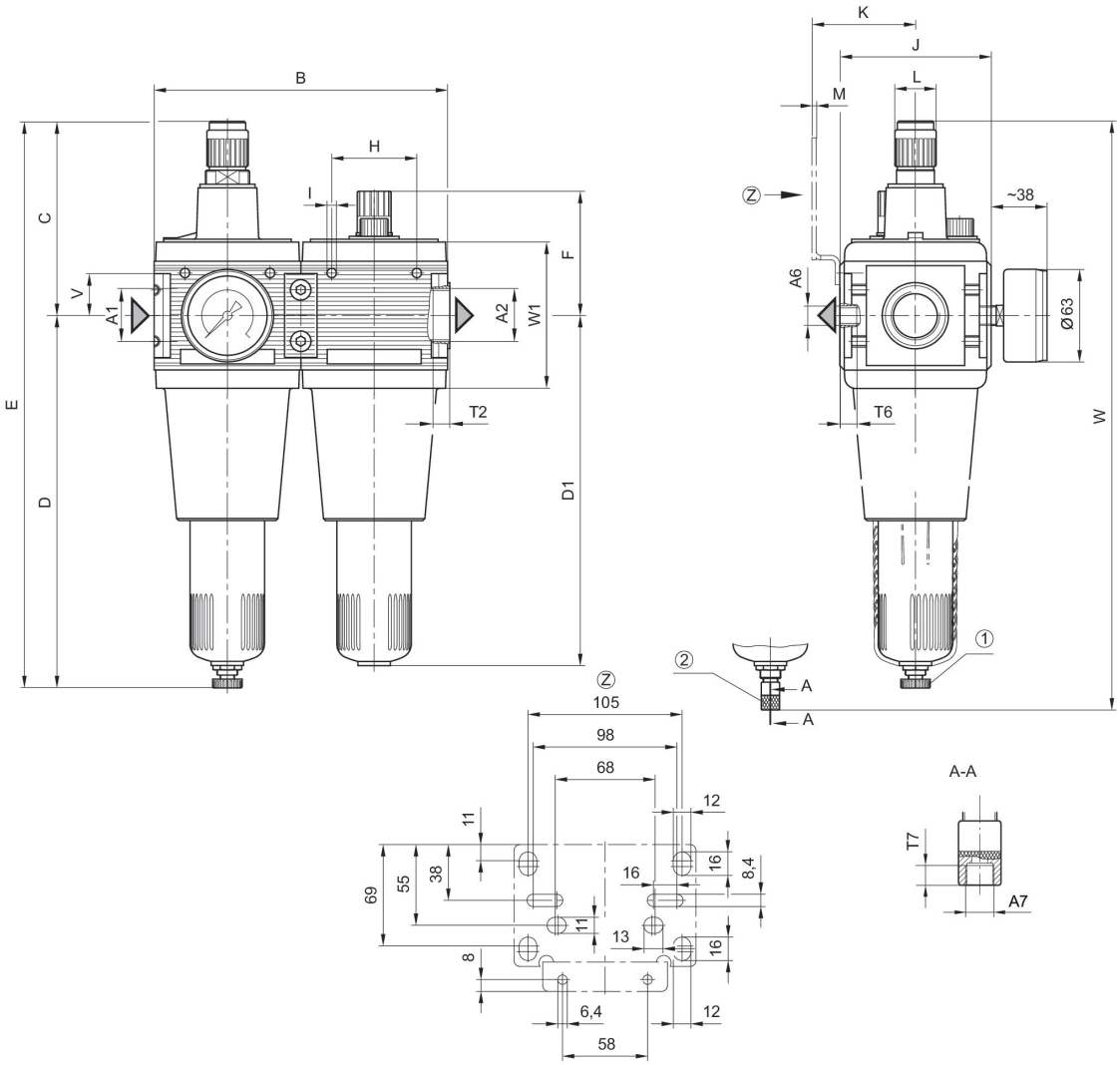
Air preparation unit, 2-part, Series NL6-ACD

Flow Flow: 13500 l/min
Parts: Air preparation units
Parts: Filter pressure regulator Lubricator
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 1.5 bar
Max. working pressure: 16 bar

	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden-sate drain	Min. regula-tion range [bar]	Max. regula-tion range [bar]	Protec-tive guard	Part No.
	G 1	13500	40	semi-auto-matic, open without pres-sure	0.5	10		0821300877
	G 1	13500	40	semi-auto-matic, open without pres-sure	0.5	10	Steel, chrome-plat-ed	0821300878

Dimensions



A1 = input
A2 = output
A6 = output
Semi-automatic condensate drain
Fully automatic condensate drain

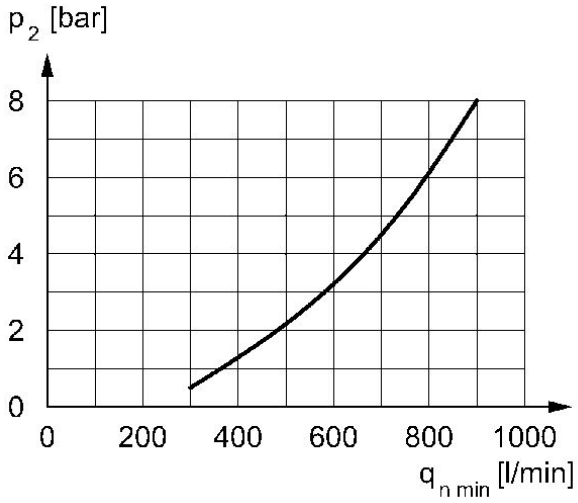
Dimensions in mm

Part No.	A1	A2	A6	A7	B	C	D	D1	E
0821300877	G 1	G 1	G 1/4	G 1/8	200	132	253	236	385
0821300878	G 1	G 1	G 1/4	G 1/8	200	132	253	236	385

Part No.	F	H	I	J	K	L	M	T2	T6
0821300877	84	58	M6	103	70.5	28	3	18	7
0821300878	84	58	M6	103	70.5	28	3	18	7

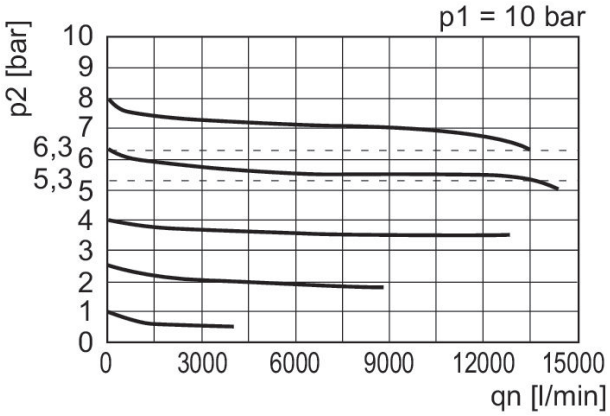
Part No.	T7	V	W	W1
0821300877	8.5	29	403	101.5
0821300878	8.5	29	403	101.5

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



p2 = Secondary pressure
qn min. = min. nominal flow

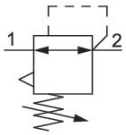
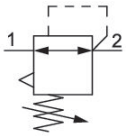
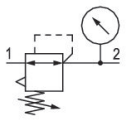
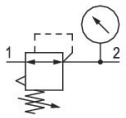
Flow rate characteristic, p2 = 0,05 - 7 bar



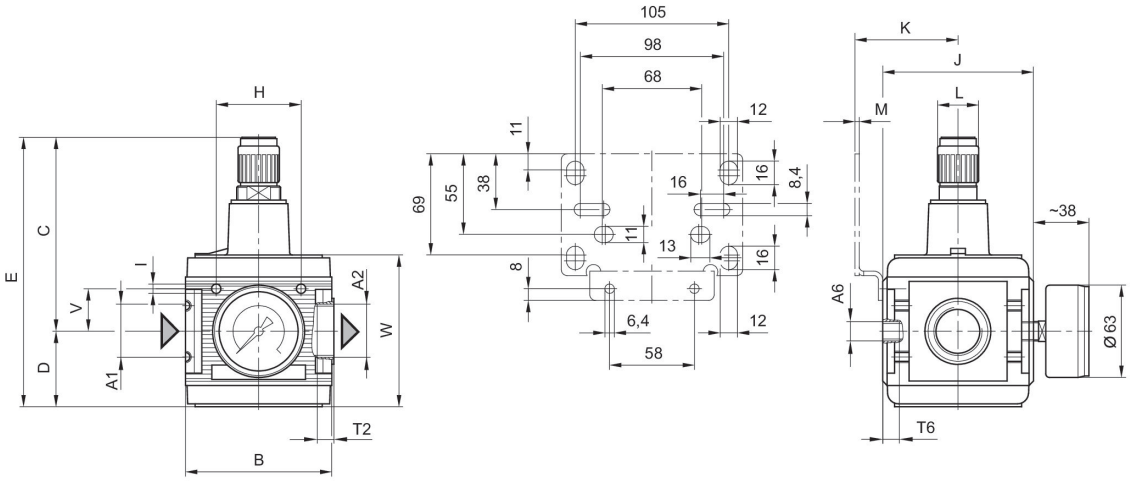
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Pressure regulator, Series NL6-RGS

Actuating element: Standard pressure regulator
Flow 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: 20 bar

	Port	Nominal flow [l/min]	Min. regulation range [bar]	Max. regulation range [bar]	Pressure gauge	Lock type	Part No.
	G 3/4	15000	0.5	10		not lockable	0821302801
	G 1	15000	0.5	10		not lockable	0821302802
	G 3/4	15000	0.5	10	with pressure gauge	not lockable	0821302803
	G 1	15000	0.5	10	with pressure gauge	not lockable	0821302804

Dimensions



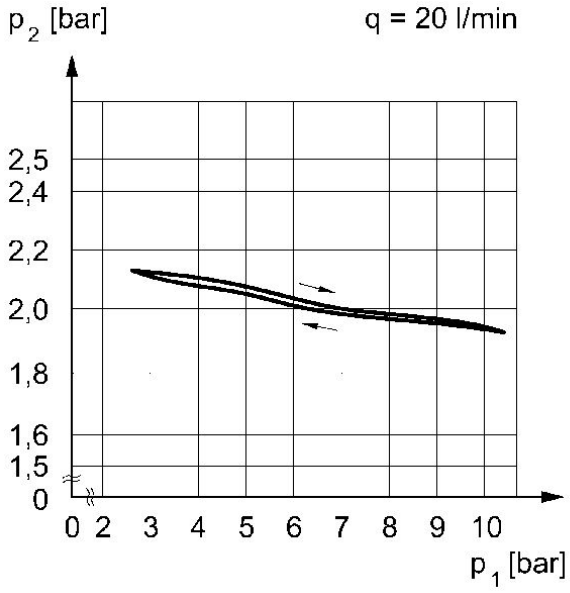
A1 = input
A2 = output
A6 = output

Dimensions in mm

Part No.	A1	A2	A6	B	C	D	E	H	I
0821302801	G 3/4	G 3/4	G 1/4	100	132	51.5	183.5	58	M6
0821302802	G 1	G 1	G 1/4	100	132	51.5	183.5	58	M6
0821302803	G 3/4	G 3/4	G 1/4	100	132	51.5	183.5	58	M6
0821302804	G 3/4	G 1	G 1/4	100	132	51.5	183.5	58	M6

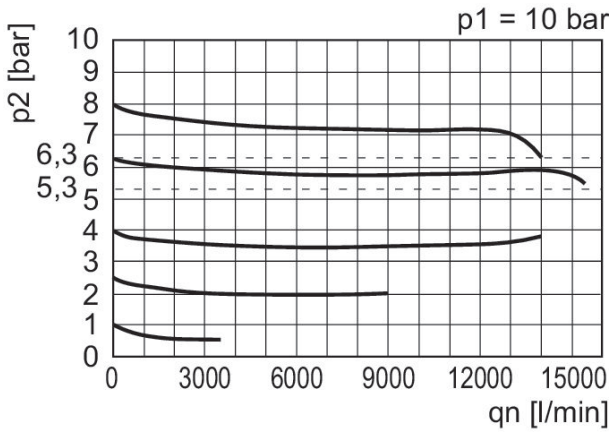
Part No.	J	K	L	M	T2	T6	V	W
0821302801	103	70.5	28	3	18	7	29	103.5
0821302802	103	70.5	28	3	18	7	29	103.5
0821302803	103	70.5	28	3	18	7	29	103.5
0821302804	103	70.5	28	3	18	7	29	103.5

Pressure characteristics curve



p1 = Working pressure
p2 = Secondary pressure
q = flow rate

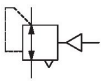
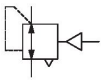
Flow rate characteristic (secondary range p2: 0.5 - 10 bar)



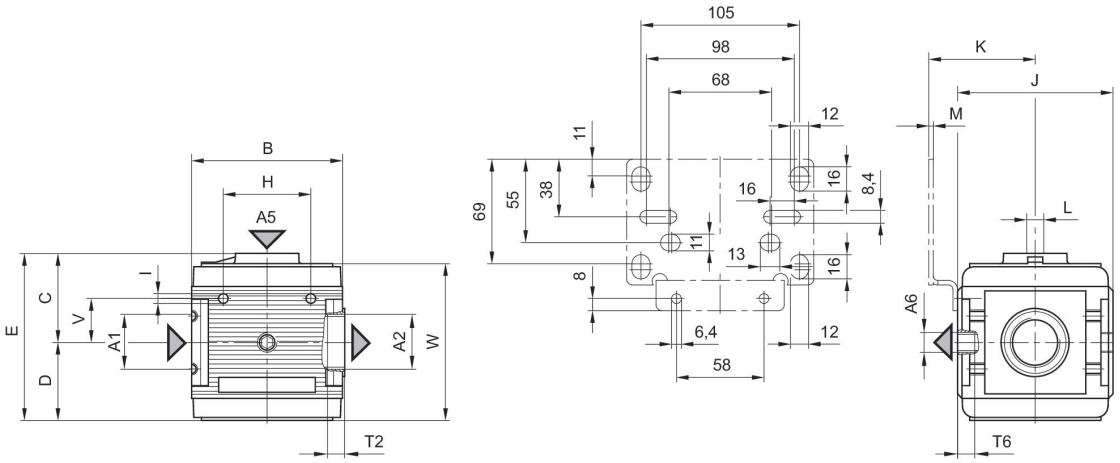
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Pressure regulator, Series NL6-RGS

Actuating element: Standard pressure regulator
Flow Flow: 15000 l/min
Parts: Pressure regulator
Max. control pressure: 10 bar
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0.5 bar
Max. working pressure: 20 bar

	Port	Nominal flow [l/min]	Min. regulation range [bar]	Max. regulation range [bar]	Lock type	Part No.
	G 3/4	15000	0.5	10	not lockable	0821302809
	G 1	15000	0.5	10	not lockable	0821302810

Dimensions



A1 = input
A2 = output
A5 = Control pressure connection
A6 = ventilation port

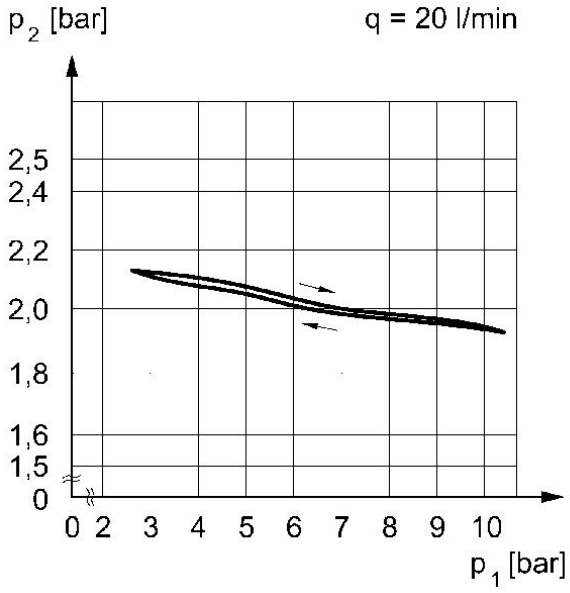
Dimensions in mm

Part No.	A1	A2	A5	A6	B	C	D	E	H
0821302809	G 3/4	G 3/4	G 1/8	G 1/4	100	61	51.5	112.5	58
0821302810	G 1	G 1	G 1/8	G 1/4	100	61	51.5	112.5	58

Part No.	I	J	K	L	M	N	T2	T6	V
0821302809	M6	103	70.5	G 1/4	3	7	9.5	7	29
0821302810	M6	103	70.5	G 1/4	3	7	18	7	29

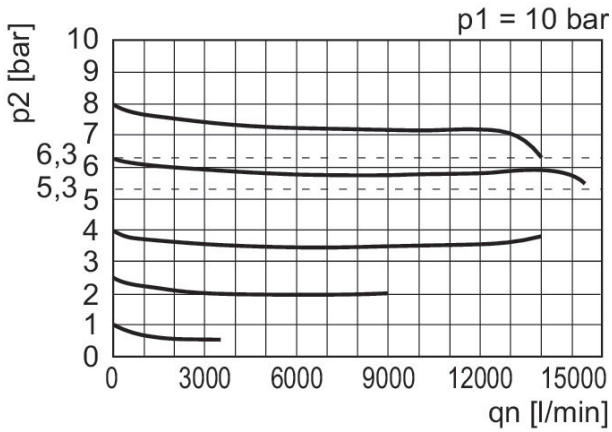
Part No.	W
0821302809	103.5
0821302810	103.5

Pressure characteristics curve



p1 = Working pressure
p2 = Secondary pressure
q = flow rate

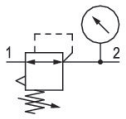
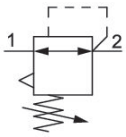
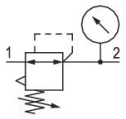
Flow rate characteristic (secondary range p2: 0.5 - 10 bar)



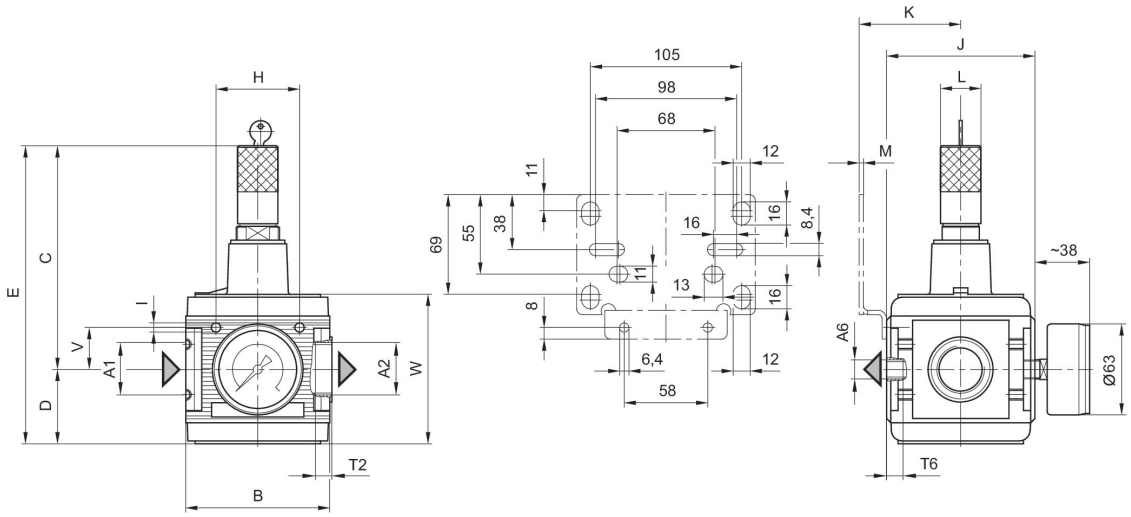
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Pressure regulator, Series NL6-RGS

Actuating element: Standard pressure regulator
Flow 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: 20 bar

	Port	Nominal flow [l/min]	Min. regulation range [bar]	Max. regulation range [bar]	Pressure gauge	Lock type	Part No.
	G 3/4	15000	0.5	10	with pressure gauge	Standard locking, with key	0821302807
	G 1	15000	0.5	10		Standard locking, with key	0821302806
	G 1	15000	0.5	10	with pressure gauge	Standard locking, with key	0821302808

Dimensions



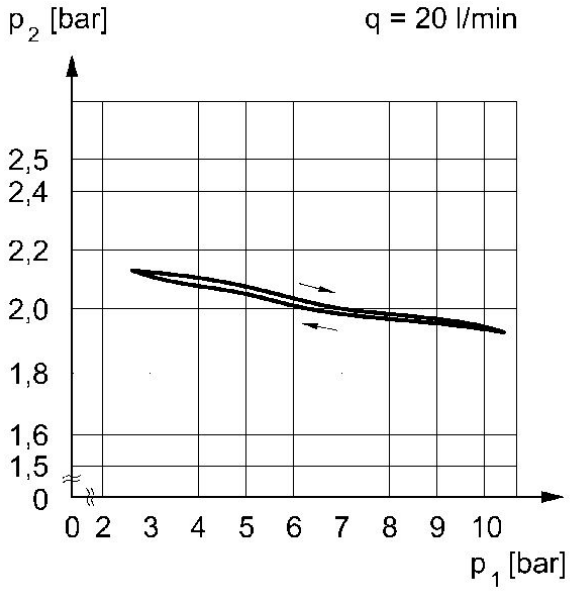
A1 = input
A2 = output
A6 = output

Dimensions in mm

Part No.	A1	A2	A6	B	C	D	E	H	I
0821302805	G 3/4	G 3/4	G 1/4	100	156.5	51.5	208	58	M6
0821302807	G 3/4	G 3/4	G 1/4	100	156.5	51.5	208	58	M6
0821302806	G 1	G 1	G 1/4	100	156.5	51.5	208	58	M6
0821302808	G 1	G 1	G 1/4	100	156.5	51.5	208	58	M6

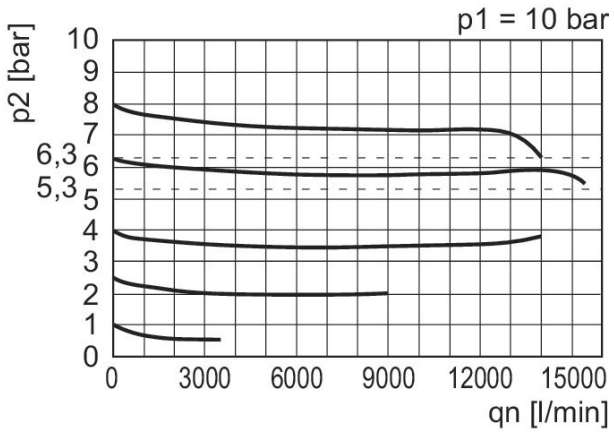
Part No.	J	K	L	M	T2	T6	V	W
0821302805	103	70.5	28	3	18	7	29	103.5
0821302807	103	70.5	28	3	18	7	29	103.5
0821302806	103	70.5	28	3	18	7	29	103.5
0821302808	103	70.5	28	3	18	7	29	103.5

Pressure characteristics curve



p1 = Working pressure
p2 = Secondary pressure
q = flow rate

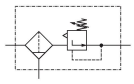
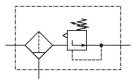
Flow rate characteristic (secondary range p2: 0.5 - 10 bar)



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

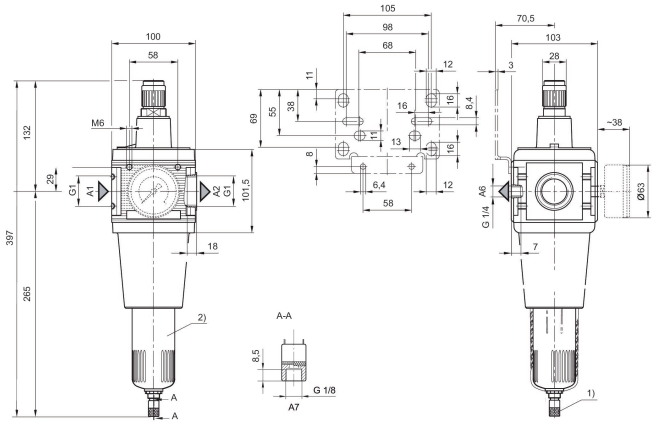
Filter pressure regulator, Series NL6-FRE

Flow Flow: 15000 l/min
Condensate drain: fully automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 1.5 bar
Max. working pressure: 16 bar

	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 1	15000	5	fully automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	10	0821300885
	G 1	15000	5	fully automatic, open without pressure	reservoir, metal, with inspection glass	0.5	10	0821300865

0821300885

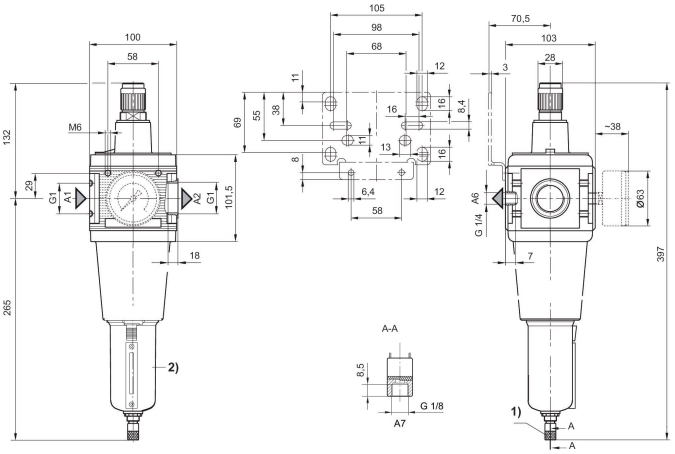
Dimensions in mm



A1 = input
A2 = output
A6 = output
A7 = condensate drain
1) Fully automatic condensate drain
2) Reservoir: polycarbonate

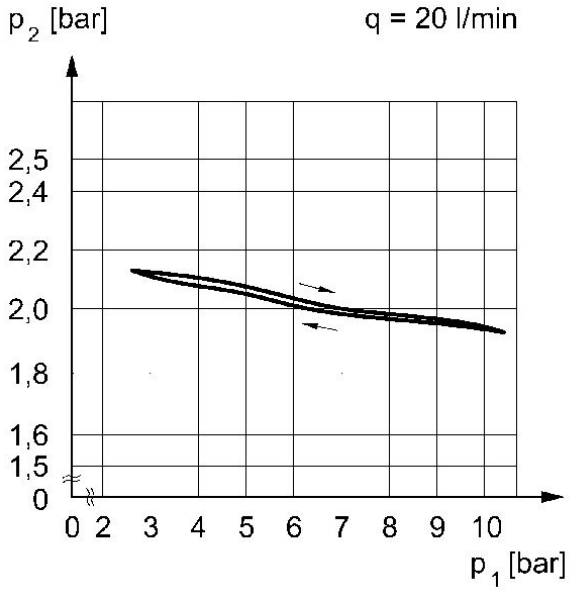
0821300865

Dimensions in mm



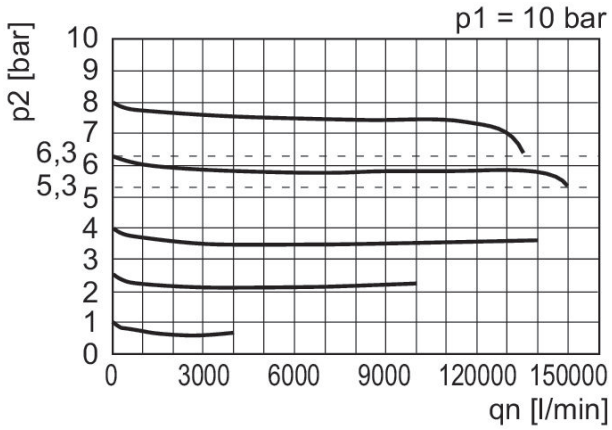
A1 = input
A2 = output
A6 = output
A7 = condensate drain
1) Fully automatic condensate drain
2) Metal reservoir with inspection glass

Pressure characteristics curve



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

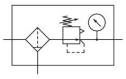
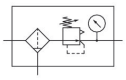
Flow rate characteristic, p2 = 0,05 - 7 bar



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

Filter pressure regulator, Series NL6-FRE

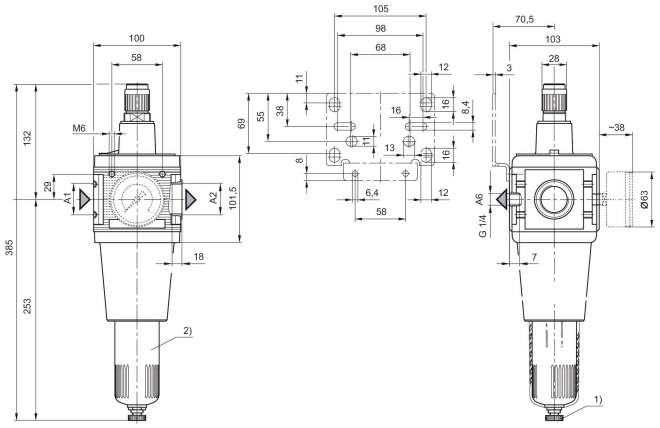
Flow Flow: 15000 l/min
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 1.5 bar
Max. working pressure: 16 bar

	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden-sate drain	Reservoir	Min. regula-tion range [bar]	Max. regula-tion range [bar]	Part No.
	G 1	15000	5	semi-auto-matic, open without pres-sure	reservoir, polycarbon-ate, without protective guard	0.5	10	0821300132
	G 1	15000	5	fully automat-ic, open with-out pressure	reservoir, metal, with inspection glass	0.5	10	0821300864

Protec-tive guard	Part No.
Steel, chrome-plat-ed	0821300132
	0821300864

0821300132

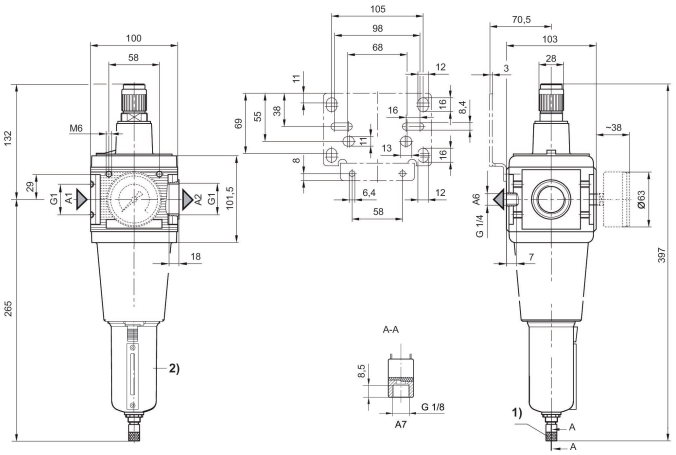
Dimensions in mm



A1 = input
A2 = output
A6 = output
1) Semi-automatic condensate drain
2) Reservoir: polycarbonate

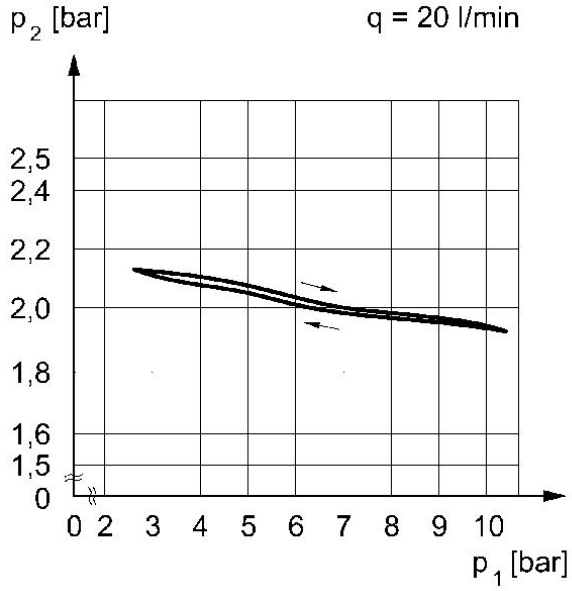
0821300864

Dimensions in mm



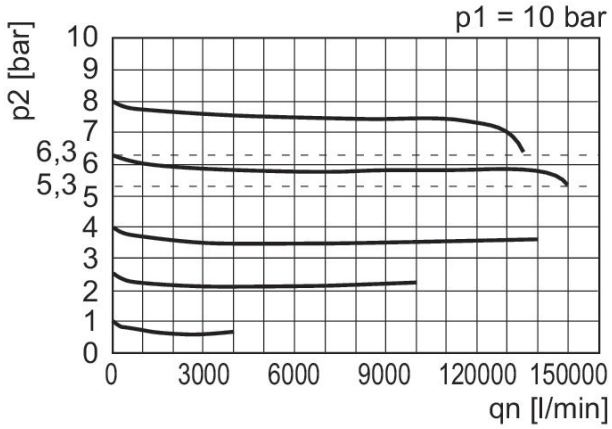
A1 = input
A2 = output
A6 = output
A7 = condensate drain
1) Fully automatic condensate drain
2) Metal reservoir with inspection glass

Pressure characteristics curve



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

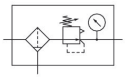
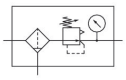
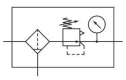
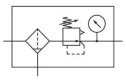
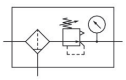
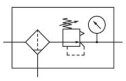
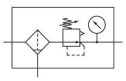
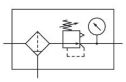
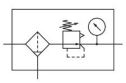
Flow rate characteristic, p2 = 0,05 - 7 bar

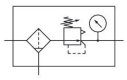
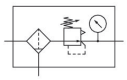
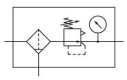


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Filter pressure regulator, Series NL6-FRE

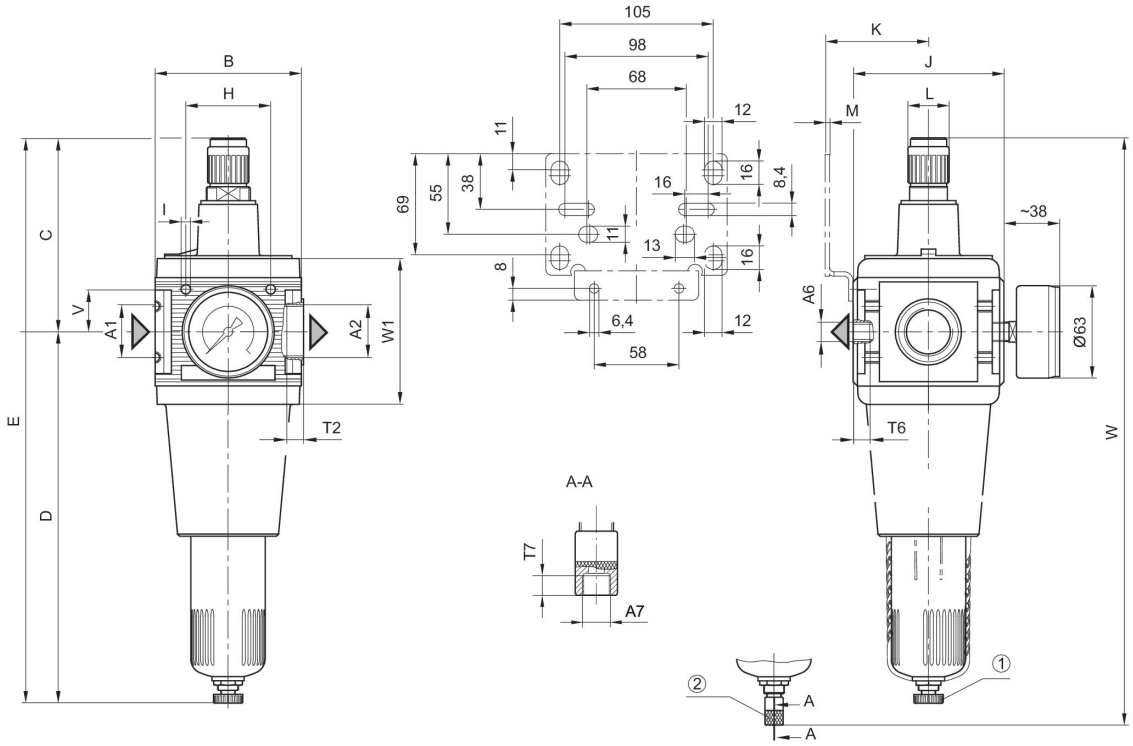
Flow Flow: 15000 l/min
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 1.5 bar
Max. working pressure: 16 bar

	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 3/4	15000	40	semi-automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	10	0821300850
	G 3/4	15000	40	semi-automatic, open without pressure	reservoir, polycarbonate, with metal protective guard	0.5	10	0821300851
	G 3/4	15000	40	semi-automatic, open without pressure	reservoir, metal, with inspection glass	0.5	10	0821300852
	G 3/4	15000	40	fully automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	10	0821300853
	G 3/4	15000	40	fully automatic, open without pressure	reservoir, polycarbonate, with metal protective guard	0.5	10	0821300854
	G 3/4	15000	40	fully automatic, open without pressure	reservoir, metal, with inspection glass	0.5	10	0821300855
	G 1	15000	40	semi-automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	10	0821300856
	G 1	15000	40	semi-automatic, open without pressure	reservoir, polycarbonate, with metal protective guard	0.5	10	0821300857
	G 1	15000	40	semi-automatic, open without pressure	reservoir, metal, with inspection glass	0.5	10	0821300858

	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 1	15000	40	fully automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	10	0821300859
	G 1	15000	40	fully automatic, open without pressure	reservoir, polycarbonate, with metal protective guard	0.5	10	0821300860
	G 1	15000	40	fully automatic, open without pressure	reservoir, metal, with inspection glass	0.5	10	0821300861

Protective guard	Part No.
	0821300850
Steel, chrome-plated	0821300851
	0821300852
	0821300853
Steel, chrome-plated	0821300854
	0821300855
	0821300856
Steel, chrome-plated	0821300857
	0821300858
	0821300859
Steel, chrome-plated	0821300860
	0821300861

Dimensions



A1 = input A2 = output A6 = output
A7 = condensate drain
1) Semi-automatic condensate drain 2) fully automatic condensate drain

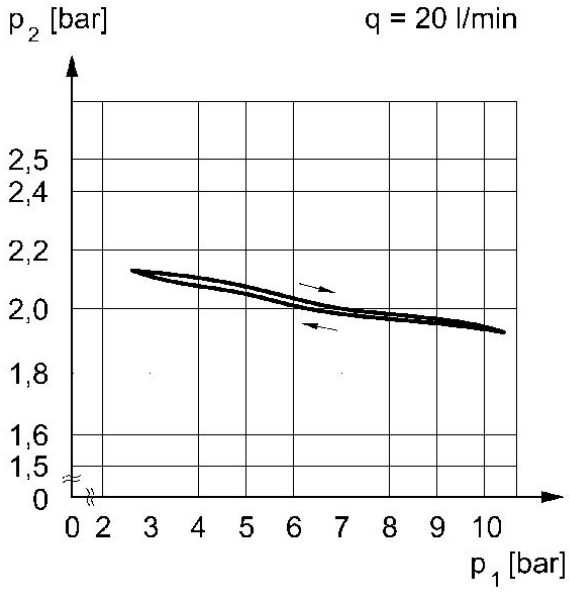
Dimensions in mm

Part No.	A1	A2	A6	A7	B	C	D	E	H
0821300850	G 3/4	G 3/4	G 1/4	G 1/8	100	132	253	385	58
0821300851	G 3/4	G 3/4	G 1/4	G 1/8	100	132	253	385	58
0821300852	G 3/4	G 3/4	G 1/4	G 1/8	100	132	253	385	58
0821300853	G 3/4	G 3/4	G 1/4	G 1/8	100	132	253	385	58
0821300854	G 3/4	G 3/4	G 1/4	G 1/8	100	132	253	385	58
0821300855	G 3/4	G 3/4	G 1/4	G 1/8	100	132	253	385	58
0821300856	G 1	G 1	G 1/4	G 1/8	100	132	253	385	58
0821300857	G 1	G 1	G 1/4	G 1/8	100	132	253	385	58
0821300858	G 1	G 1	G 1/4	G 1/8	100	132	253	385	58
0821300859	G 1	G 1	G 1/4	G 1/8	100	132	253	385	58
0821300860	G 1	G 1	G 1/4	G 1/8	100	132	253	385	58
0821300861	G 1	G 1	G 1/4	G 1/8	100	132	253	385	58

Part No.	I	J	K	L	M	T2	T6	T7	V
0821300850	M6	103	70.5	28	3	18	7	8.5	29
0821300851	M6	103	70.5	28	3	18	7	8.5	29
0821300852	M6	103	70.5	28	3	18	7	8.5	29
0821300853	M6	103	70.5	28	3	18	7	8.5	29
0821300854	M6	103	70.5	28	3	18	7	8.5	29
0821300855	M6	103	70.5	28	3	18	7	8.5	29
0821300856	M6	103	70.5	28	3	18	7	8.5	29
0821300857	M6	103	70.5	28	3	18	7	8.5	29
0821300858	M6	103	70.5	28	3	18	7	8.5	29
0821300859	M6	103	70.5	28	3	18	7	8.5	29
0821300860	M6	103	70.5	28	3	18	7	8.5	29
0821300861	M6	103	70.5	28	3	18	7	8.5	29

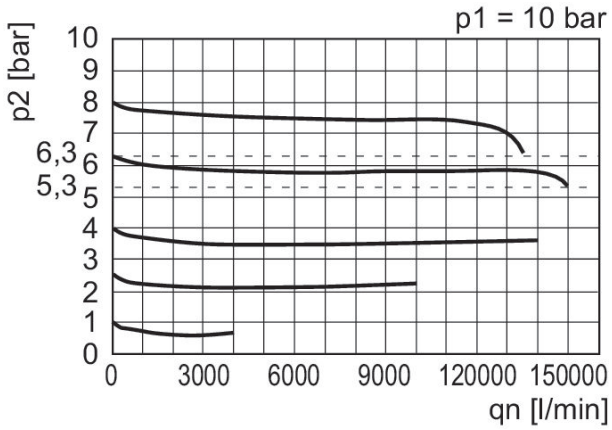
Part No.	W	W1
0821300850	403	101.5
0821300851	403	101.5
0821300852	403	101.5
0821300853	403	101.5
0821300854	403	101.5
0821300855	403	101.5
0821300856	403	101.5
0821300857	403	101.5
0821300858	403	101.5
0821300859	403	101.5
0821300860	403	101.5
0821300861	403	101.5

Pressure characteristics curve



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

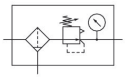
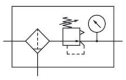
Flow rate characteristic, p2 = 0,05 - 7 bar



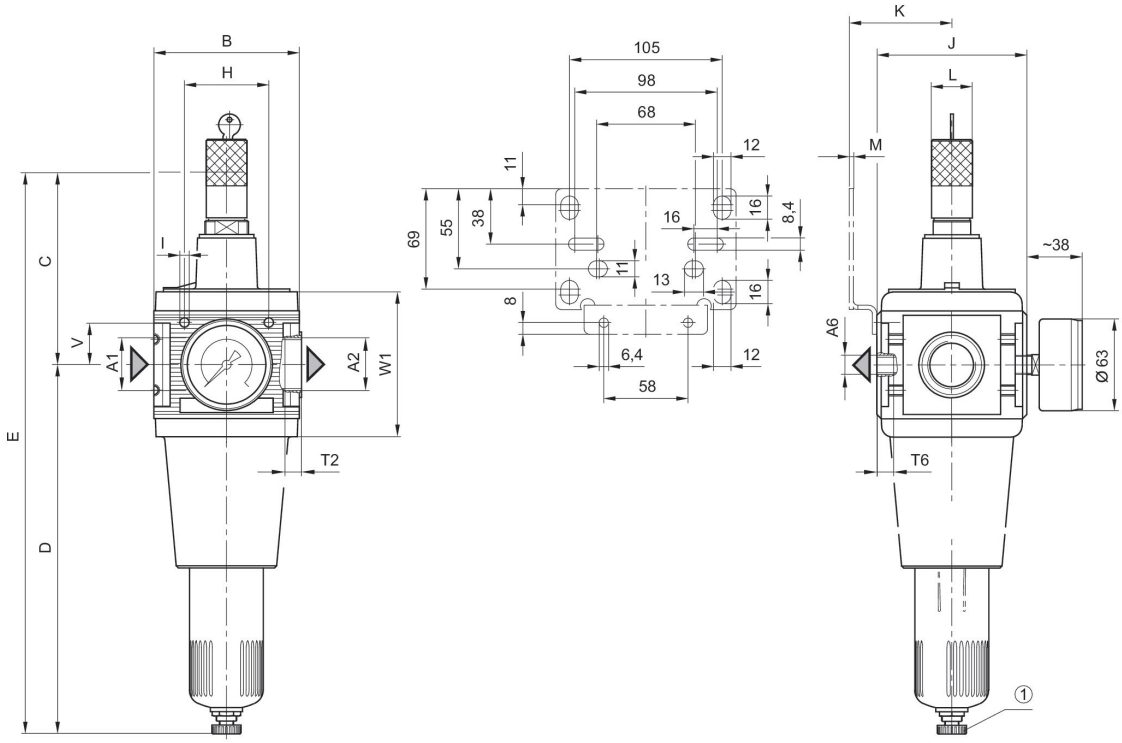
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Filter pressure regulator, Series NL6-FRE

Flow Flow: 15000 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 1.5 bar
Max. working pressure: 16 bar

	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 3/4	15000	40	semi-automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	10	0821300862
	G 1	15000	40	semi-automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	10	0821300863

Dimensions



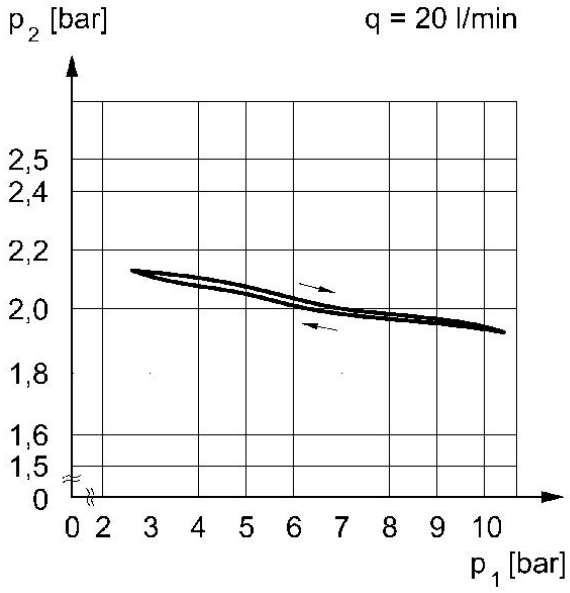
A1 = input A2 = output A6 = output
1) semi-automatic condensate drain

Dimensions in mm

Part No.	A1	A2	A6	B	C	D	E	H	I
0821300862	G 3/4	G 3/4	G 1/4	100	157	253	410	58	M6
0821300863	G 1	G 1	G 1/4	100	157	253	410	58	M6

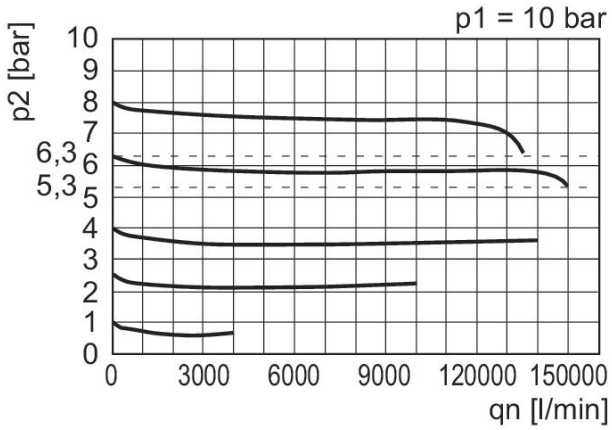
Part No.	J	K	L	M	T2	T6	V	W1
0821300862	103	70.5	28	3	18	7	29	101.5
0821300863	103	70.5	28	3	18	7	29	101.5

Pressure characteristics curve



p1 = working pressure p2 = secondary pressure q = flow rate

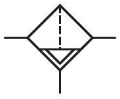
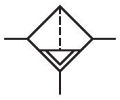
Flow rate characteristic, p2 = 0,05 - 7 bar



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

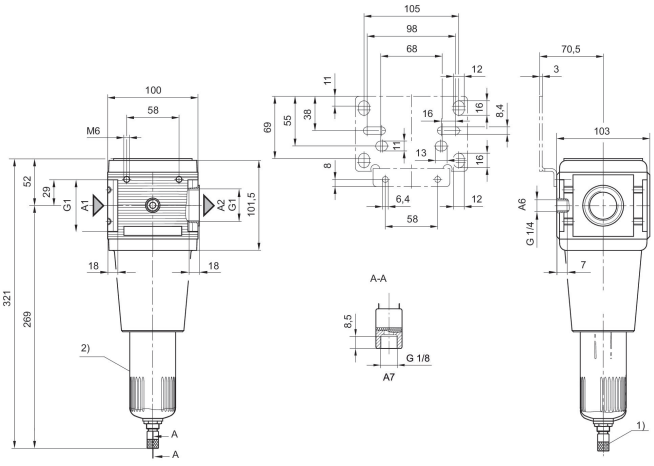
Filter, Series NL6-FLS

Flow Flow: 7200 l/min
Condensate drain: fully automatic, open without pressure
Parts: Filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 1.5 bar
Max. working pressure: 16 bar

	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Filter insert	Part No.
	G 1	7200	5	fully automatic, open without pressure	reservoir, polycarbonate, without protective guard	Polyethylene	0821303820
	G 1	7200	5	fully automatic, open without pressure	reservoir, polycarbonate, with metal protective guard	Polyethylene	0821303821

0821303820

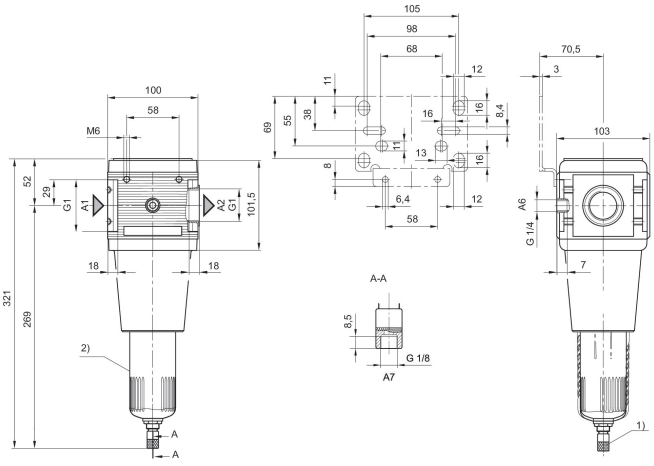
Dimensions in mm



A1 = input
A2 = output
A6 = output
A7 = condensate drain
1) Fully automatic condensate drain
2) Reservoir: polycarbonate

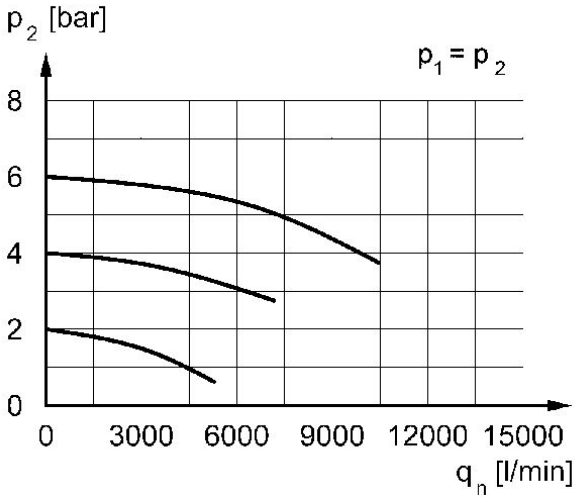
0821303821

Dimensions in mm



A1 = input
A2 = output
A6 = output
A7 = condensate drain
1) Fully automatic condensate drain
2) Plastic reservoir and protective guard with window

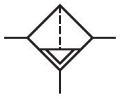
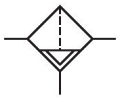
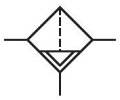
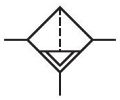
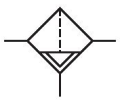
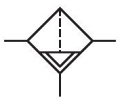
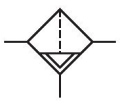
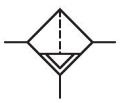
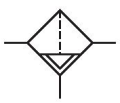
Flow rate characteristic, p2 = 0,05 - 7 bar

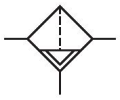
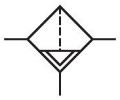
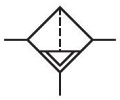


p2 = Secondary pressure
qn = Nominal flow

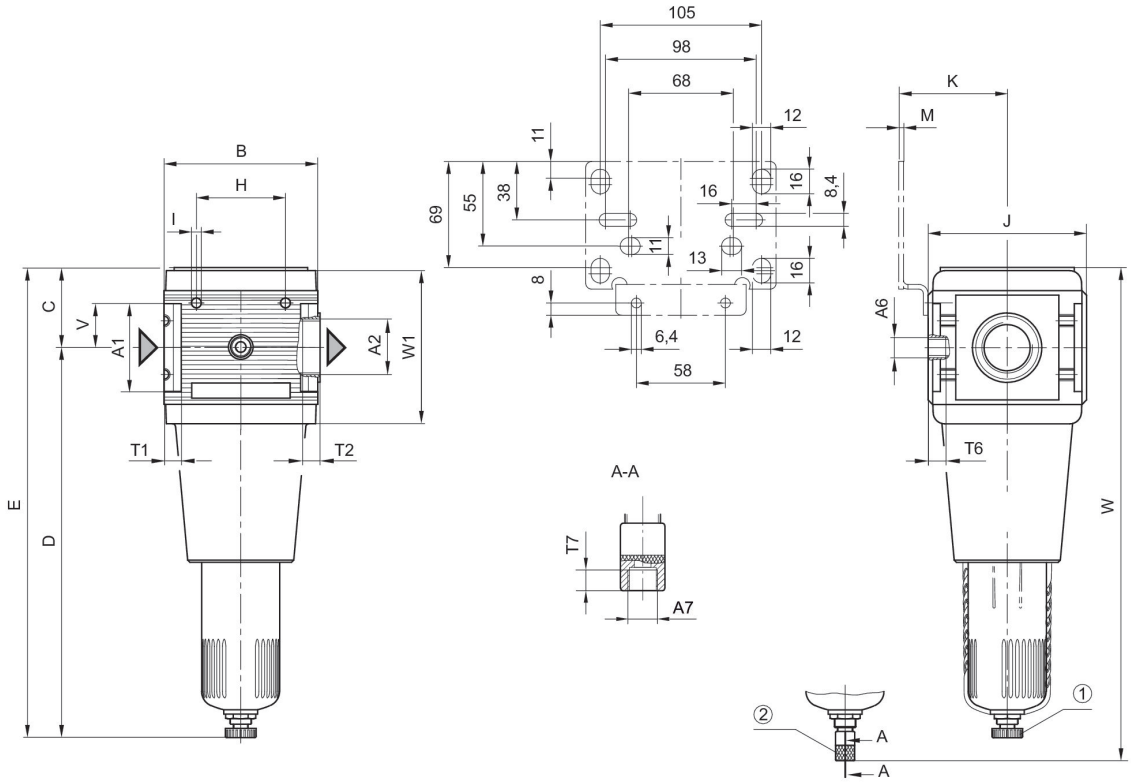
Filter, Series NL6-FLS

Flow Flow: 7200 l/min
Parts: Filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 1.5 bar

	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden-sate drain	Reservoir	Filter insert	Part No.
	G 3/4	7200	40	semi-auto-matic, open without pres-sure	reservoir, polycarbon-ate, without protective guard	Polyethylene	0821303801
	G 3/4	7200	40	semi-auto-matic, open without pres-sure	reservoir, polycarbon-ate, with met-al protective guard	Polyethylene	0821303802
	G 3/4	7200	40	semi-auto-matic, open without pres-sure	reservoir, metal, with inspection glass	Polyethylene	0821303803
	G 3/4	7200	40	fully automat-ic, open with-out pressure	reservoir, polycarbon-ate, without protective guard	Polyethylene	0821303804
	G 3/4	7200	40	fully automat-ic, open with-out pressure	reservoir, polycarbon-ate, with met-al protective guard	Polyethylene	0821303805
	G 3/4	7200	40	fully automat-ic, open with-out pressure	reservoir, metal, with inspection glass	Polyethylene	0821303806
	G 1	7200	40	semi-auto-matic, open without pres-sure	reservoir, polycarbon-ate, without protective guard	Polyethylene	0821303807
	G 1	7200	40	semi-auto-matic, open without pres-sure	reservoir, polycarbon-ate, with met-al protective guard	Polyethylene	0821303808
	G 1	7200	40	semi-auto-matic, open without pres-sure	reservoir, metal, with inspection glass	Polyethylene	0821303809

	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden-sate drain	Reservoir	Filter insert	Part No.
	G 1	7200	40	fully automat-ic, open with-out pressure	reservoir, polycarbon-ate, without protective guard	Polyethylene	0821303810
	G 1	7200	40	fully automat-ic, open with-out pressure	reservoir, polycarbon-ate, with met-al protective guard	Polyethylene	0821303811
	G 1	7200	40	fully automat-ic, open with-out pressure	reservoir, metal, with inspection glass	Polyethylene	0821303812

Dimensions



A1 = input A2 = output A6 = output
A7 = condensate drain
1) Semi-automatic condensate drain 2) fully automatic condensate drain

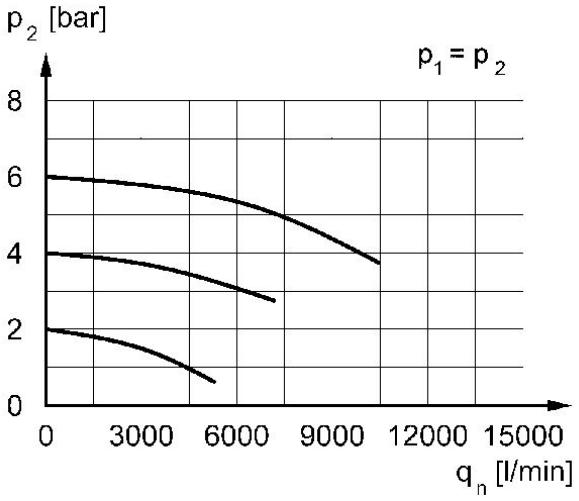
Dimensions in mm

Part No.	A1	A2	A6	A7	B	C	D	E	H
0821303801	G 3/4	G 3/4	G 1/4	G 1/8	100	52	254	306	58
0821303802	G 3/4	G 3/4	G 1/4	G 1/8	100	52	254	306	58
0821303803	G 3/4	G 3/4	G 1/4	G 1/8	100	52	254	306	58
0821303804	G 3/4	G 3/4	G 1/4	G 1/8	100	52	254	306	58
0821303805	G 3/4	G 3/4	G 1/4	G 1/8	100	52	254	306	58
0821303806	G 3/4	G 3/4	G 1/4	G 1/8	100	52	254	306	58
0821303807	G 1	G 1	G 1/4	G 1/8	100	52	254	306	58
0821303808	G 1	G 1	G 1/4	G 1/8	100	52	254	306	58
0821303809	G 1	G 1	G 1/4	G 1/8	100	52	254	306	58
0821303810	G 1	G 1	G 1/4	G 1/8	100	52	254	306	58
0821303811	G 1	G 1	G 1/4	G 1/8	100	52	254	306	58
0821303812	G 1	G 1	G 1/4	G 1/8	100	52	254	306	58
0821303820	G 1	G 1	G 1/4	G 1/8	100	52	254	306	58
0821303821	G 1	G 1	G 1/4	G 1/8	100	52	254	306	58

Part No.	I	J	K	M	T1	T2	T6	T7	V
0821303801	M6	103	70.5	3	18	18	7	8.5	29
0821303802	M6	103	70.5	3	18	18	7	8.5	29
0821303803	M6	103	70.5	3	18	18	7	8.5	29
0821303804	M6	103	70.5	3	18	18	7	8.5	29
0821303805	M6	103	70.5	3	18	18	7	8.5	29
0821303806	M6	103	70.5	3	18	18	7	8.5	29
0821303807	M6	103	70.5	3	18	18	7	8.5	29
0821303808	M6	103	70.5	3	18	18	7	8.5	29
0821303809	M6	103	70.5	3	18	18	7	8.5	29
0821303810	M6	103	70.5	3	18	18	7	8.5	29
0821303811	M6	103	70.5	3	18	18	7	8.5	29
0821303812	M6	103	70.5	3	18	18	7	8.5	29
0821303820	M6	103	70.5	3	18	18	7	8.5	29
0821303821	M6	103	70.5	3	18	18	7	8.5	29

Part No.	W	W1
0821303801	321	101.5
0821303802	321	101.5
0821303803	321	101.5
0821303804	321	101.5
0821303805	321	101.5
0821303806	321	101.5
0821303807	321	101.5
0821303808	321	101.5
0821303809	321	101.5
0821303810	321	101.5
0821303811	321	101.5
0821303812	321	101.5
0821303820	321	101.5
0821303821	321	101.5

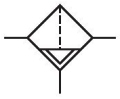
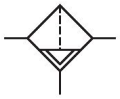
Flow rate characteristic, p2 = 0,05 - 7 bar



p2 = Secondary pressure
qn = Nominal flow

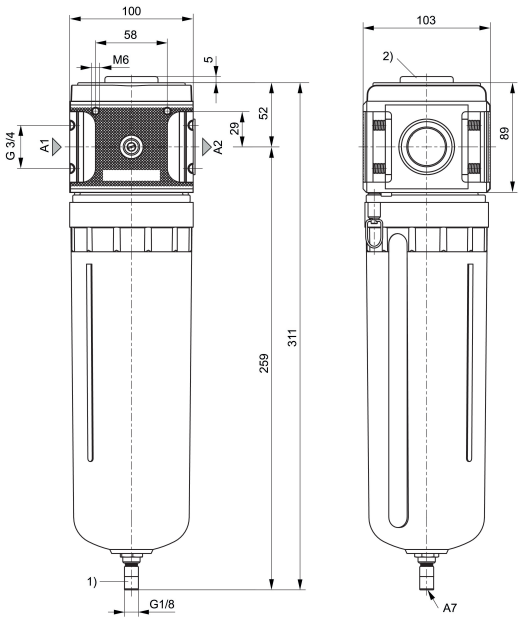
Pre-filter, Series NL6-FLP

Flow Flow: 1600 l/min
Condensate drain: fully automatic, open without pressure
Parts: Pre-filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 1.5 bar
Max. working pressure: 16 bar

	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden-sate drain	Reservoir	Filter insert	Part No.
	G 3/4	1600	0.3	fully automat-ic, open with-out pressure	Metal reser-voir without window	Impregnated paper	0821303818
	G 1	1600	0.3	fully automat-ic, open with-out pressure	Metal reser-voir without window	Impregnated paper	0821303816

0821303818

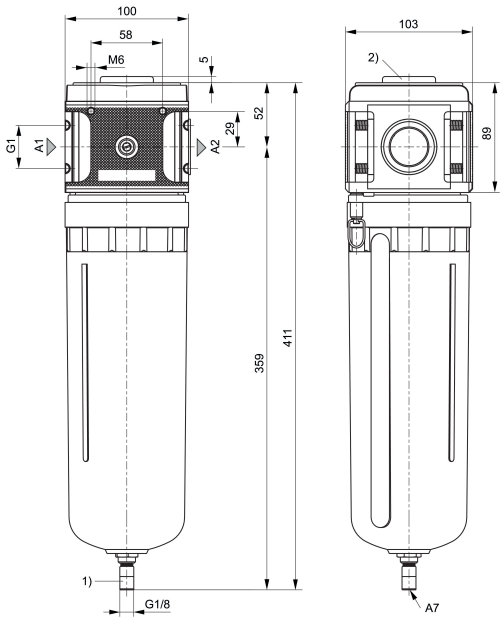
Dimensions in mm



A1 = input
A2 = output
A7 = condensate drain
1) Fully automatic condensate drain
2) Differential pressure gauge connection

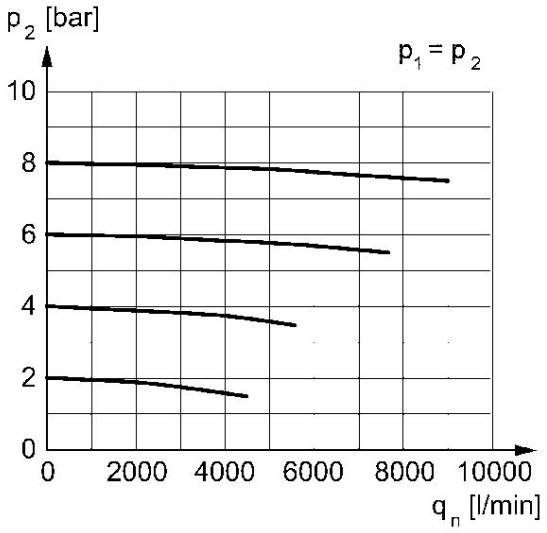
0821303816

Dimensions in mm



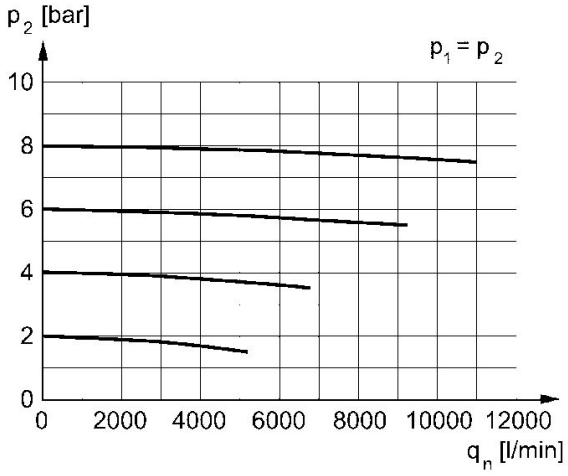
A1 = input
A2 = output
A7 = condensate drain
1) Fully automatic condensate drain
2) Differential pressure gauge connection

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



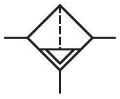
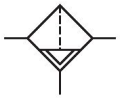
p2 = secondary pressure qn = nominal flow

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



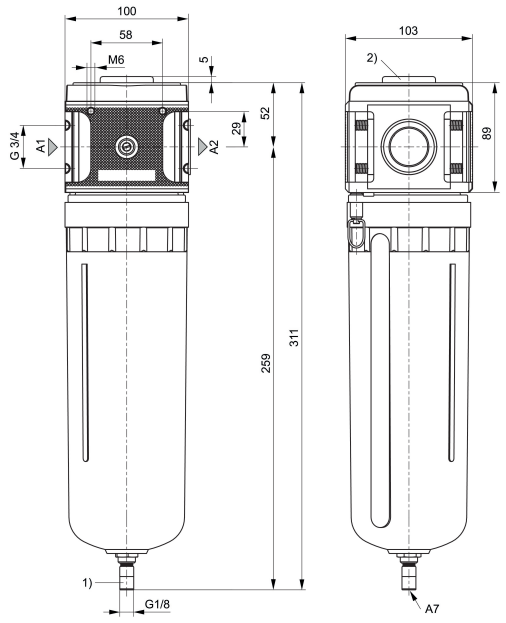
Microfilter, Series NL6-FLC

Condensate drain: fully automatic, open without pressure
Parts: Microfilter
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 1.5 bar
Max. working pressure: 16 bar

	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden-sate drain	Reservoir	Filter insert	Part No.
	G 3/4	2600	0.01	fully automat-ic, open with-out pressure	Metal reser-voir without window	Borosilicate glass fiber	0821303819
	G 1	4200	0.01	fully automat-ic, open with-out pressure	Metal reser-voir without window	Borosilicate glass fiber	0821303814

0821303819

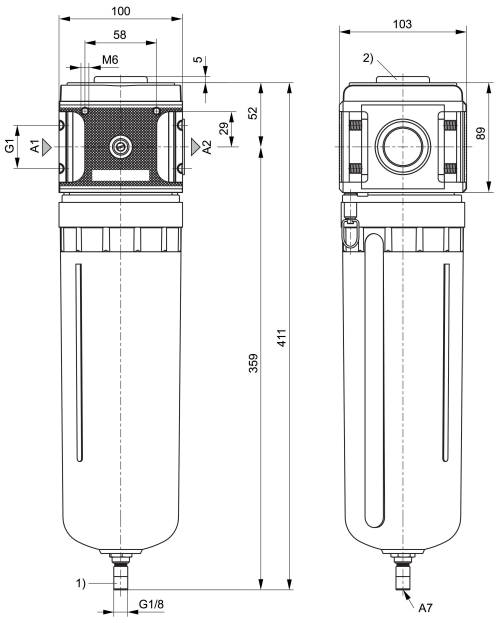
Dimensions in mm



A1 = input
A2 = output
A7 = condensate drain
1) Fully automatic condensate drain
2) Differential pressure gauge connection

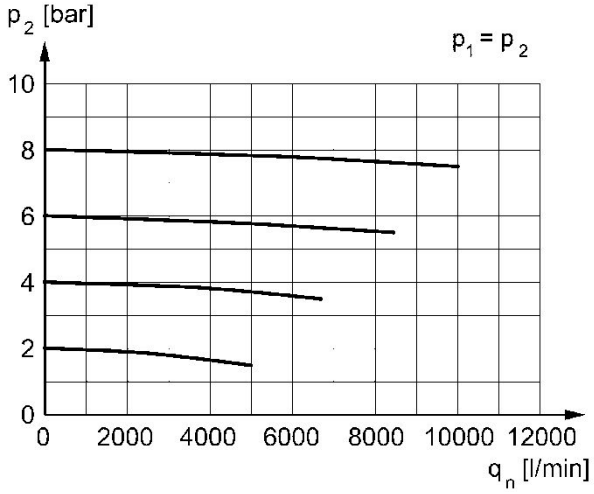
0821303814

Dimensions in mm



A1 = input
A2 = output
A7 = condensate drain
1) Fully automatic condensate drain
2) Differential pressure gauge connection

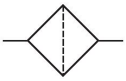
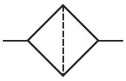
Flow rate characteristic, p2 = 0,05 - 7 bar



p2 = Secondary pressure
qn = Nominal flow

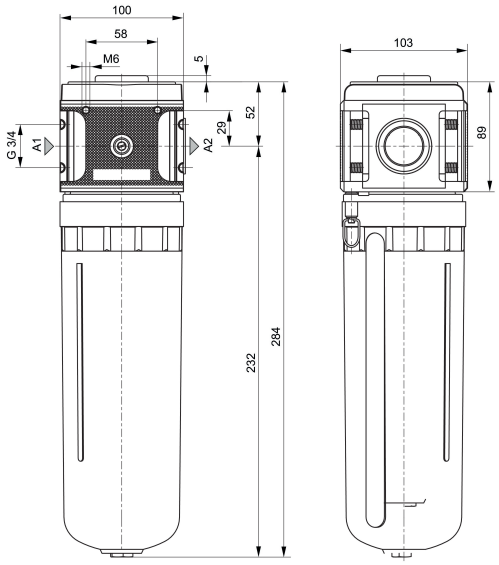
Active carbon filter, Series NL6-FLA

Parts: Active carbon filter
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	Filter insert	Part No.
	G 3/4	4000	Metal reservoir without window	Active carbon	0821303817
	G 1	5500	Metal reservoir without window	Active carbon	0821303815

0821303817

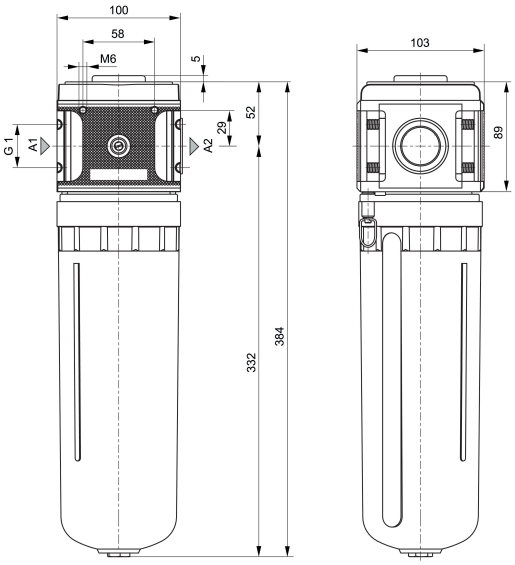
Dimensions in mm



A1 = input
A2 = output

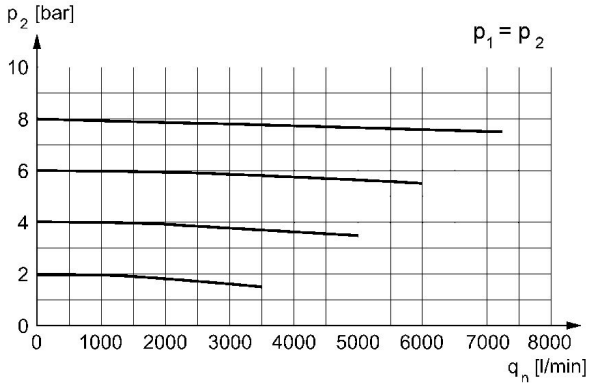
0821303815

Dimensions in mm



A1 = input
A2 = output

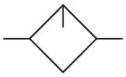
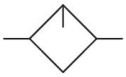
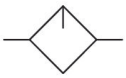
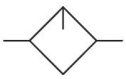
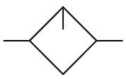
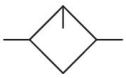
Flow rate characteristic, p2 = 0,05 - 7 bar



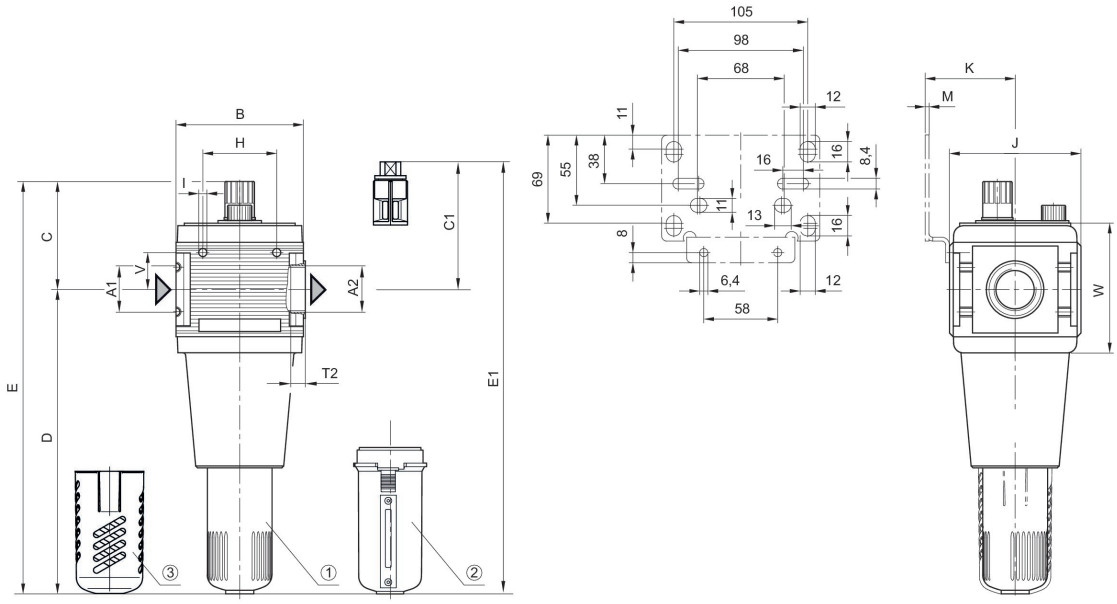
p2 = secondary pressure qn = nominal flow

Standard oil-mist lubricator, Series NL6-LBS

Flow Flow: 18000 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 3/4	18000	reservoir, PA, without protective guard	450	0821301801
	G 3/4	18000	reservoir, polycarbonate, with metal protective guard	450	0821301802
	G 3/4	18000	reservoir, metal, with inspection glass	450	0821301803
	G 1	18000	reservoir, PA, without protective guard	450	0821301804
	G 1	18000	reservoir, polycarbonate, with metal protective guard	450	0821301805
	G 1	18000	reservoir, metal, with inspection glass	450	0821301806

Dimensions



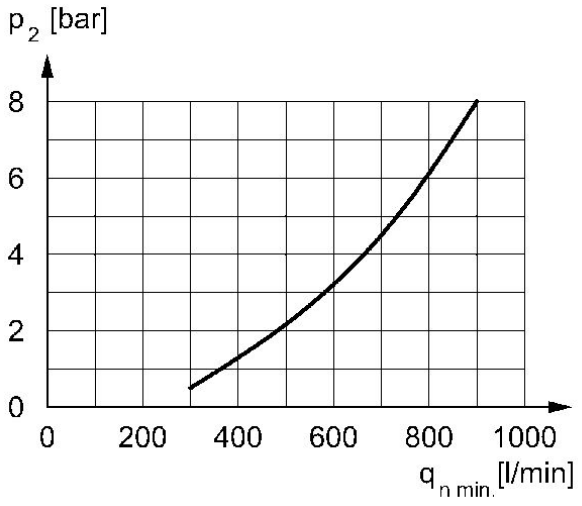
A1 = input A2 = output
1) PC reservoir
2) Metal reservoir with inspection glass
3) metal protective guard

Dimensions in mm

Part No.	A1	A2	B	C	C1	D	E	E1	H
0821301801	G 3/4	G 3/4	100	85	-	238	321	-	58
0821301802	G 3/4	G 3/4	100	85	-	238	321	-	58
0821301803	G 3/4	G 3/4	100	85	100	238	321	336,5	58
0821301804	G 1	G 1	100	85	-	238	321	-	58
0821301805	G 1	G 1	100	85	-	238	321	-	58
0821301806	G 1	G 1	100	85	100	238	321	336,5	58

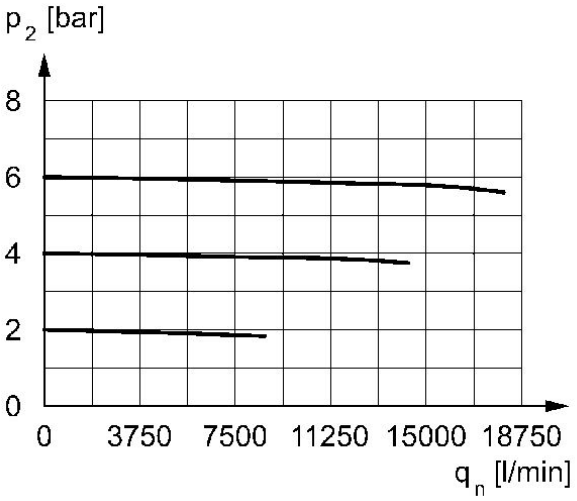
Part No.	I	J	K	M	T2	V	W
0821301801	M6	103	70.5	3	18	29	101.5
0821301802	M6	103	70.5	3	18	29	101.5
0821301803	M6	103	70.5	3	18	29	101.5
0821301804	M6	103	70.5	3	18	29	101.5
0821301805	M6	103	70.5	3	18	29	101.5
0821301806	M6	103	70.5	3	18	29	101.5

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



p2 = Secondary pressure
qn min. = min. nominal flow

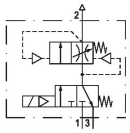
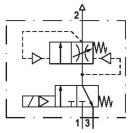
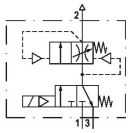
Flow rate characteristic, p2 = 0,05 - 7 bar



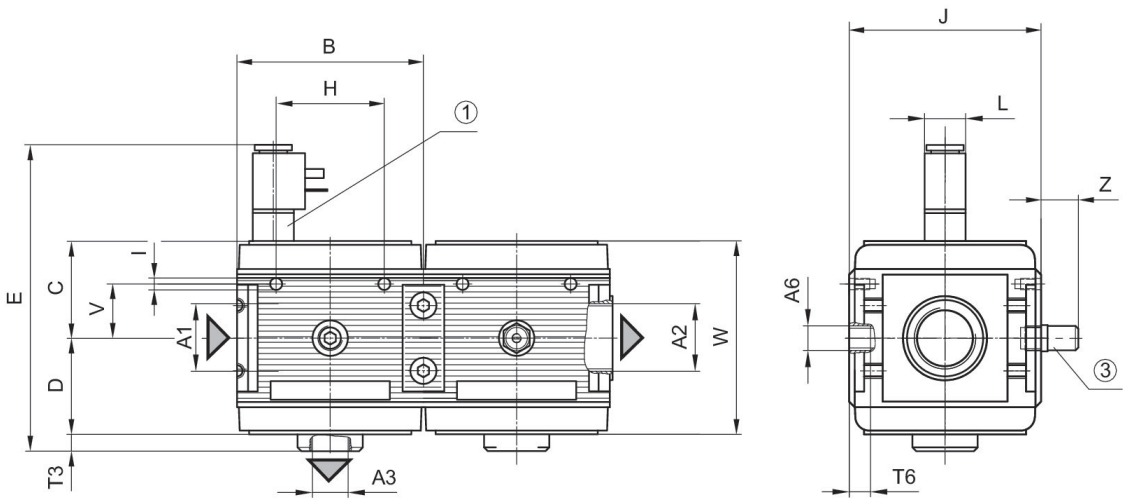
p2 = Secondary pressure
qn = Nominal flow

Filling unit, electrically operated, Series NL6-SSU

Activation: Electrically
Coil width: 22 mm
Electrical connection 2, thread size: ISO 6952, form B
Parts: 3/2-directional valve Filling valve
Qn 1 > 2: 8750 l/min
Compressed air connection type: Internal thread
Compressed air connection, exhaust: G 1/2
Pilot valve width: 22 mm
Duty cycle: 100 %
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 2.5 bar
Max. working pressure: 10 bar

	Port	Nominal flow [l/min]	Electrical connection	Operational voltage DC	Part No.
	G 3/4	8750	ISO 6952, form B	24 V	0821300959
	G 1	8750	ISO 6952, form B	24 V	0821300961
	G 1	8750	ISO 6952, form B		0821300962

Dimensions



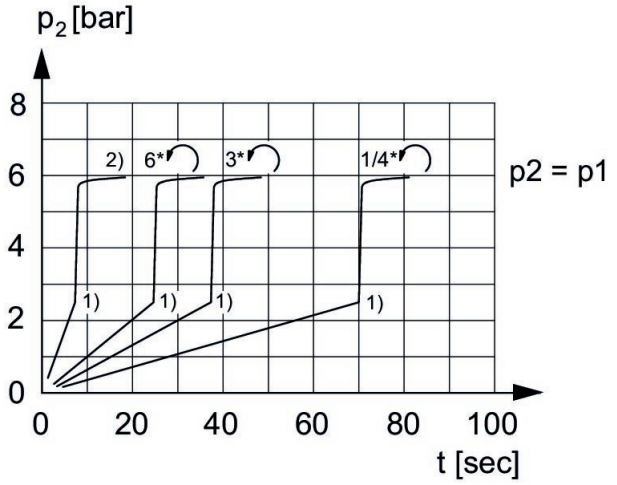
A1 = input A2 = output
A3 = ventilation port
1) electrically operated
2) Adjustment screw for filling time

Dimensions in mm

Part No.	A1	A2	A3	A6	B	C	D	E	H
0821300959	G 3/4	G 3/4	G 1/2	G 1/4	100	52	51.5	164.5	58
0821300961	G 1	G 1	G 1/2	G 1/4	100	52	51.5	164.5	58
0821300962	G 1	G 1	G 1/2	G 1/4	100	52	51.5	164.5	58

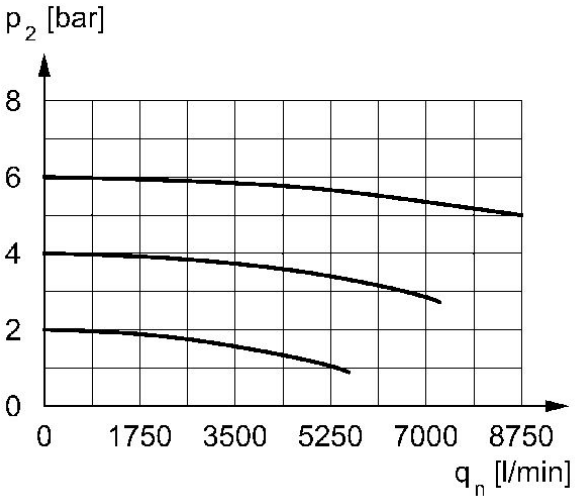
Part No.	I	J	L	T3	T6	V	W	Z
0821300959	M6	103	22	9.5	7	29	103.5	20
0821300961	M6	103	22	9.5	7	29	103.5	20
0821300962	M6	103	22	9.5	7	29	103.5	20

Secondary pressure while filling



p1 = Working pressure
p2 = Secondary pressure
t = filling time, adjustable via adjustment screw (throttle)
1) Switching point: adjustable filling time, fixed change-over pressure ≈ 0.5 x p1 (50%)
2) Throttle fully opened
* Adjustment screw rotations

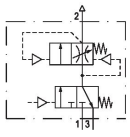
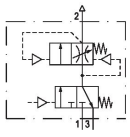
Flow rate characteristic, p2 = 0,05 - 7 bar



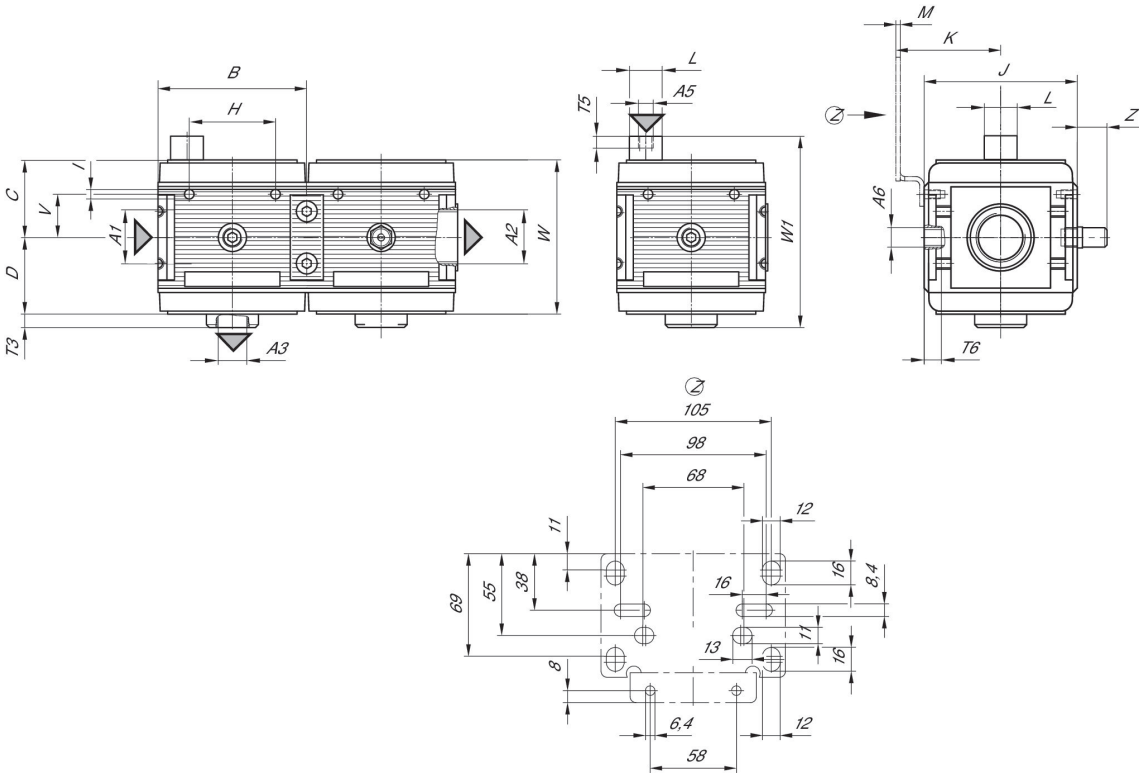
p2 = Secondary pressure
qn = Nominal flow

Filling unit, pneumatically operated, Series NL6-SSU

Activation: Pneumatically
Parts: 3/2-directional valve Filling valve
Qn 1 > 2: 8750 l/min
Compressed air connection type: Internal thread
Compressed air connection, exhaust: G 1/2
Min. control pressure: 2.5 bar
Max. control pressure: 16 bar
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0 bar
Max. working pressure: 16 bar

	Port	Nominal flow [l/min]	Part No.
	G 3/4	8750	0821300992
	G 1	8750	0821300993

Dimensions



A1 = input A2 = output
A3 = ventilation port
A5 = Control pressure connection

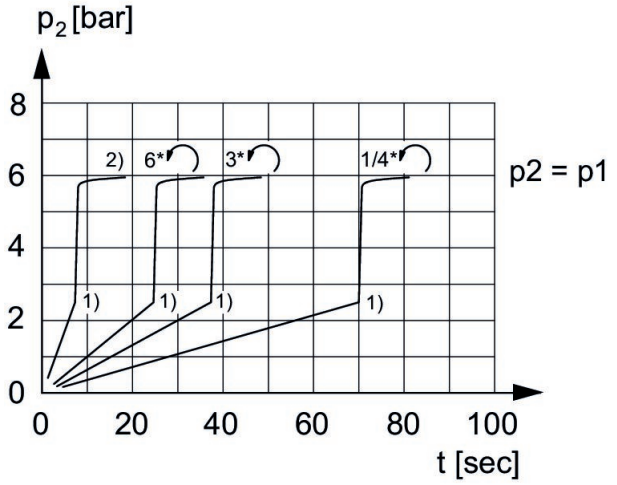
Dimensions in mm

Part No.	A1	A2	A3	A5	A6	B	C	D	F
0821300992	G 3/4	G 3/4	G 1/2	G 1/8	G 1/4	100	52	51	9.5
0821300993	G 1	G 1	G 1/2	G 1/8	G 1/4	100	52	51	9.5

Part No.	H	I	J	K	L	M	T5	T6	V
0821300992	58	M6	103	70.5	22	3	18	7	29
0821300993	58	M6	103	70.5	22	3	18	7	29

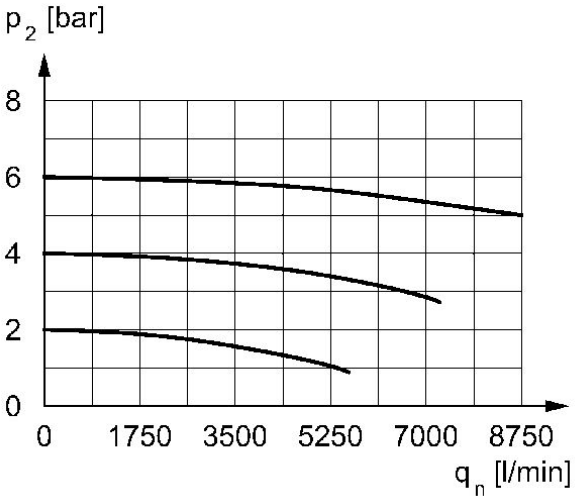
Part No.	W	W1	Z
0821300992	103.5	128.5	20
0821300993	103.5	128.5	20

Secondary pressure while filling



p1 = Working pressure
p2 = Secondary pressure
t = filling time, adjustable via adjustment screw (throttle)
1) Switching point: adjustable filling time, fixed change-over pressure ≈ 0.5 x p1 (50%)
2) Throttle fully opened
* Adjustment screw rotations

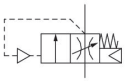
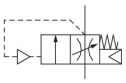
Flow rate characteristic, p2 = 0,05 - 7 bar



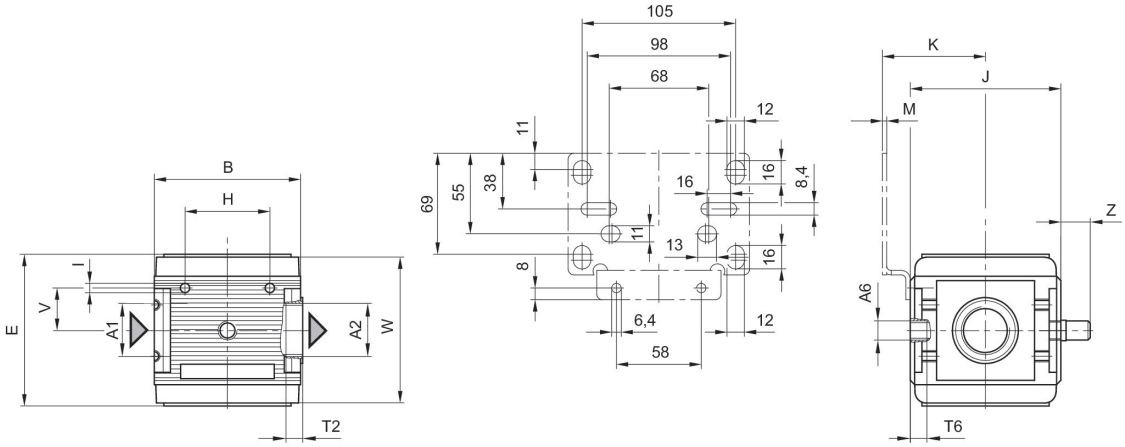
p2 = Secondary pressure
qn = Nominal flow

Filling valve, pneumatically operated, Series NL6-SSV

Flow Flow: 12000 l/min
Activation: Pneumatically
Parts: Filling valve
Compressed air connection type: Internal thread
Min. control pressure: 2.5 bar
Max. control pressure: 16 bar
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0 bar
Max. working pressure: 16 bar

	Port	Nominal flow [l/min]	Part No.
	G 3/4	12000	0821300974
	G 1	12000	0821300967

Dimensions



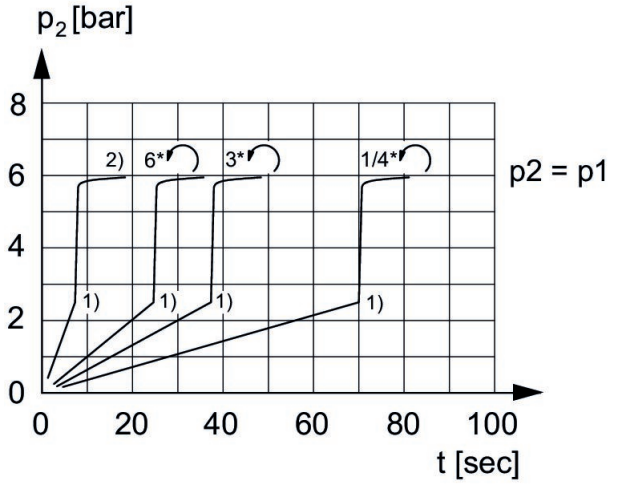
A1 = input
A2 = output
A6 = output

Dimensions in mm

Part No.	A1	A2	A6	B	E	H	I	J	K
0821300974	G 3/4	G 3/4	G 1/4	100	103	58	M6	103	70.5
0821300967	G 1	G 1	G 1/4	100	103	58	M6	103	70.5

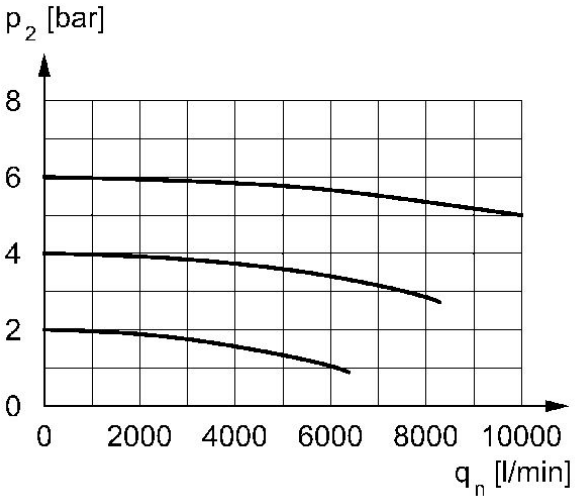
Part No.	M	T2	T6	V	W	Z
0821300974	3	18	7	29	100	20
0821300967	3	18	7	29	100	20

Secondary pressure while filling



p1 = Working pressure
p2 = Secondary pressure
t = filling time, adjustable via adjustment screw (throttle)
1) Switching point: adjustable filling time, fixed change-over pressure ≈ 0.5 x p1 (50%)
2) Throttle fully opened
* Adjustment screw rotations

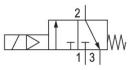
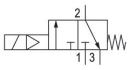
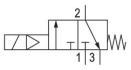
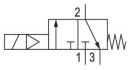
Flow rate characteristic, p2 = 0,05 - 7 bar



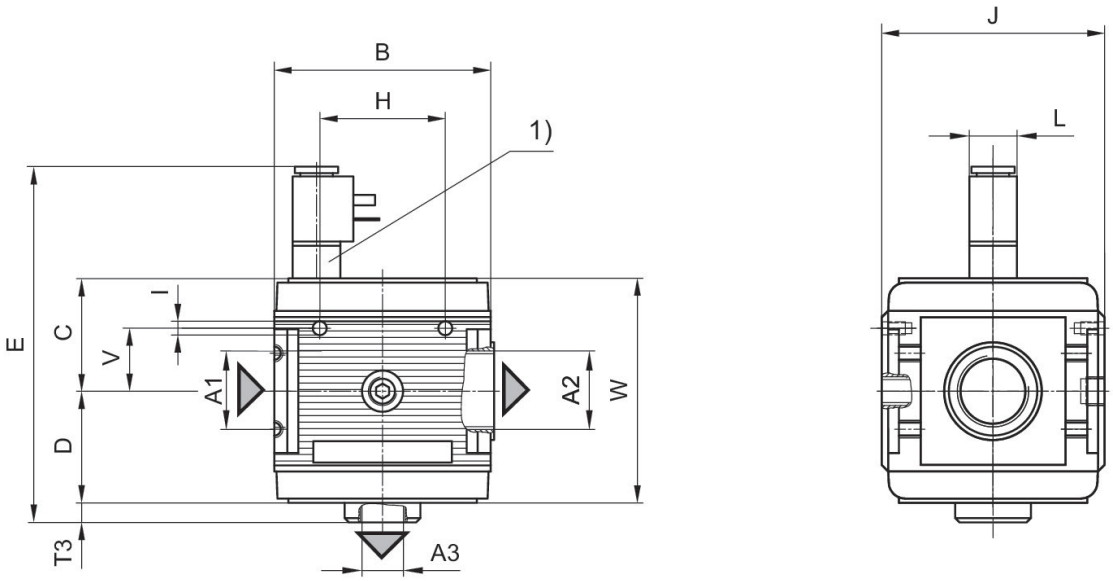
p2 = Secondary pressure
qn = Nominal flow

3/2-directional valve, electrically operated, Series NL6-SOV

Activation: Electrically
Coil width: 22 mm
Electrical connection 2, thread size: ISO 6952, form B
Parts: 3/2-directional valve
Qn 1 > 2: 12500 l/min
Compressed air connection type: Internal thread
Compressed air connection, exhaust: G 1/2
Pilot valve width: 22 mm
Duty cycle: 100 %
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 2.5 bar
Max. working pressure: 10 bar

	Port	Nominal flow [l/min]	Electrical connection	Operational voltage DC	Part No.
	G 3/4	12500	ISO 6952, form B	24 V	0821300972
	G 3/4	12500	ISO 6952, form B		0821300971
	G 1	12500	ISO 6952, form B	24 V	0821300965
	G 1	12500	ISO 6952, form B		0821300964

Dimensions



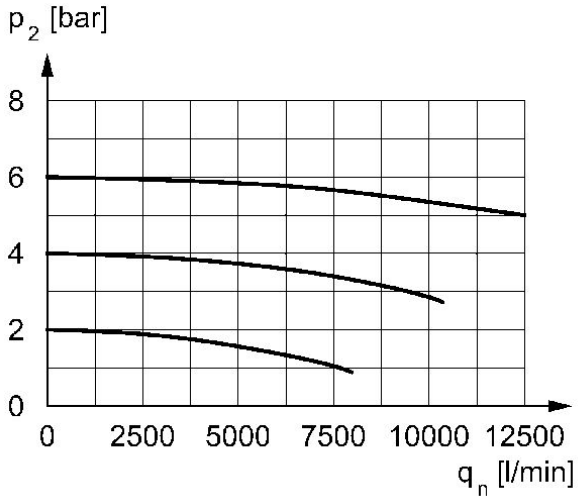
A1 = input A2 = output
A3 = ventilation port
1) electrically operated

Dimensions in mm

Part No.	A1	A2	A3	B	C	D	E	H	I
0821300972	G 3/4	G 3/4	G 1/2	100	52	51.5	164.5	58	M6
0821300971	G 3/4	G 3/4	G 1/2	100	52	51.5	164.5	58	M6
0821300965	G 1	G 1	G 1/2	100	52	51.5	164.5	58	M6
0821300964	G 1	G 1	G 1/2	100	52	51.5	164.5	58	M6

Part No.	J	L	T3	T5	V	W
0821300972	103	22	9.5	7	29	103.5
0821300971	103	22	9.5	7	29	103.5
0821300965	103	22	9.5	7	29	103.5
0821300964	103	22	9.5	7	29	103.5

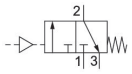
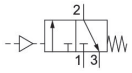
Flow rate characteristic, p2 = 0,05 - 7 bar



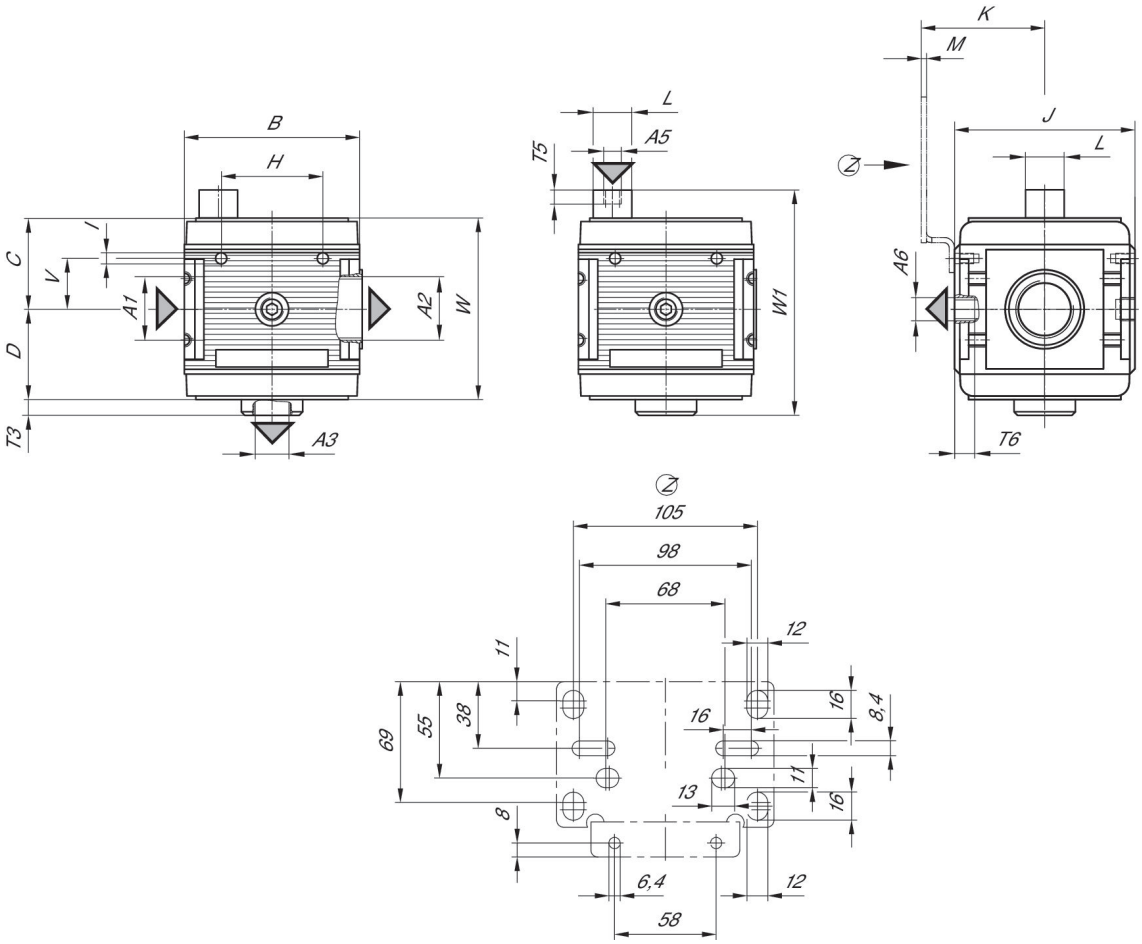
p2 = Secondary pressure
qn = Nominal flow

3/2-directional valve, pneumatically operated, Series NL6-SOV

Activation: Pneumatically
Parts: 3/2-directional valve
Qn 1 > 2: 12500 l/min
Compressed air connection type: Internal thread
Compressed air connection, exhaust: G 1/2
Min. control pressure: 2.5 bar
Max. control pressure: 16 bar
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0 bar
Max. working pressure: 16 bar

	Port	Nominal flow [l/min]	Part No.
	G 3/4	12500	0821300988
	G 1	12500	0821300989

Dimensions



A1 = input
A2 = output
A3 = ventilation port
A5 = Control pressure connection
A6 = output

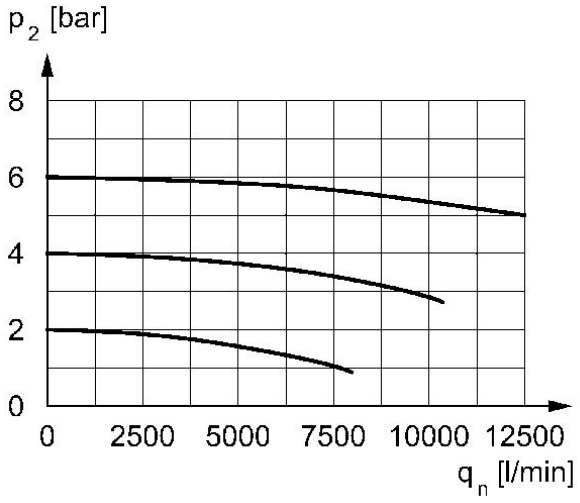
Dimensions in mm

Part No.	A1	A2	A3	A5	A6	B	C	D	F
0821300988	G 3/4	G 3/4	G 1/2	G 1/8	G 1/4	100	52	50.5	9.5
0821300989	G 1	G 1	G 1/2	G 1/8	G 1/4	100	52	50.5	9.5

Part No.	H	I	J	K	L	M	T5	T6	V
0821300988	58	M6	103	70.5	22	3	18	7	29
0821300989	58	M6	103	70.5	22	3	18	7	29

Part No.	W1
0821300988	128.5
0821300989	128.5

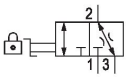
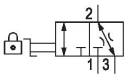
Flow rate characteristic, p2 = 0,05 - 7 bar



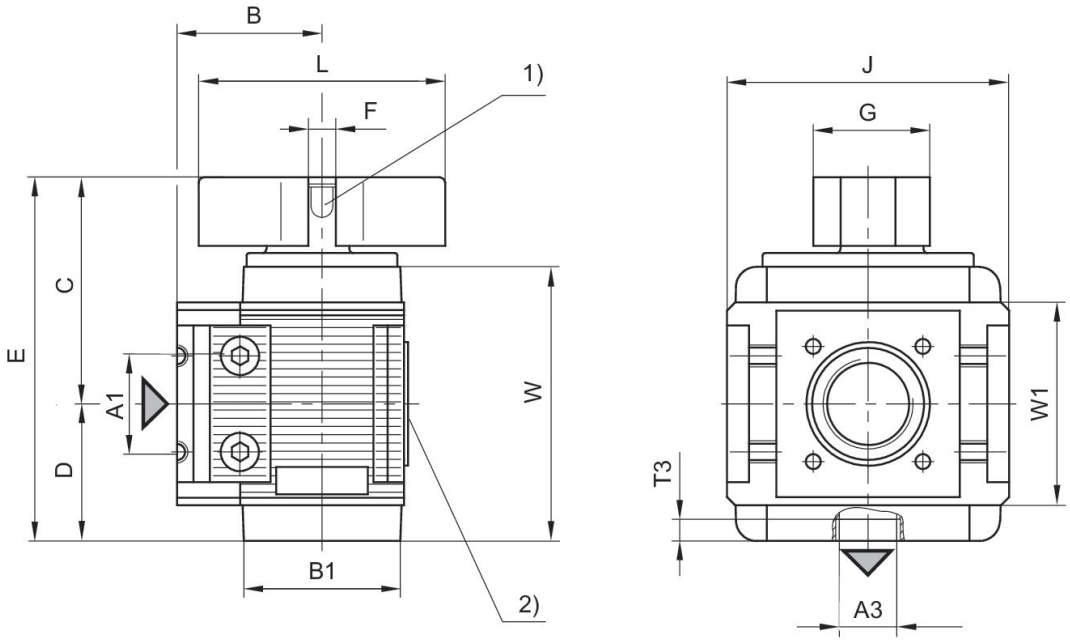
p2 = Secondary pressure
qn = Nominal flow

3/2-shut-off valve, mechanically operated, Series NL6-BAV

Activation: Mechanical
Parts: Shut-off valve
Compressed air connection type: Internal thread
Compressed air connection, exhaust: G 1/2
Type: Ball Valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0 bar
Max. working pressure: 16 bar

	Port	Nominal flow [l/min]	Part No.
	G 3/4	25000	0821300976
	G 1	25000	0821300977

Dimensions



A1 = input
A2 = output
A3 = ventilation port
1) Lockable with padlock
2) No connection thread

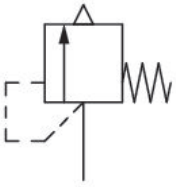
Dimensions in mm

Part No.	A1	A3	B	B1	C	D	E	F	G
0821300976	G 1/2	G 1/2	53	60	82.5	50	132.5	8	42.5
0821300977	G 1/2	G 1/2	53	60	82.5	50	132.5	8	42.5

Part No.	J	L	T3	W	W1
0821300976	103	90	14.5	100	74
0821300977	103	90	14.5	100	74

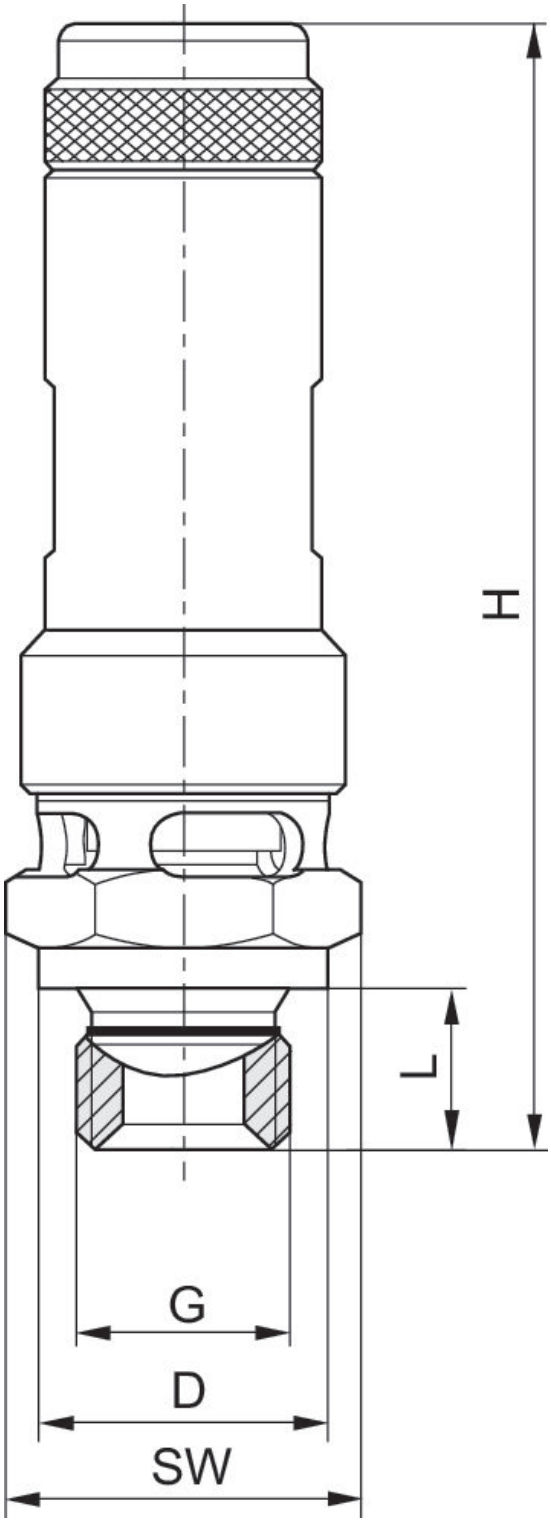
Series RV1

Compressed air connection type: External thread
Compressed air connection type 2: Uncollected
Temperature resistance: Heat resistant
Certificates: CE declaration of conformity
Min. ambient temperature: -20 °C
Max. ambient temperature: 100 °C
Min. working pressure: 0 bar
Max. working pressure: 20 bar



Compressed air connection 1	Nominal flow Qn 1 to 2 [l/min]	Opening pressure of valve [bar]	Housing material	Part No.
G 1/2	1115	0.4	Brass	R412007542
G 1/2	3613	2.9	Brass	R412007720
G 1/2	4182	3.5	Brass	R412007690
G 1/2	4656	4	Brass	R412007691
G 1/2	5604	5	Brass	R412007692
G 1/2	6142	5.5	Brass	R412007699
G 1/2	6553	6	Brass	R412007696
G 1/2	7101	6.5	Brass	R412007702
G 1/2	7501	7	Brass	R412007698
G 1/2	8449	8	Brass	R412007697
G 1/2	9018	8.5	Brass	R412007693
G 1/2	9398	9	Brass	R412007694
G 1/2	10346	10	Brass	R412007700
G 1/2	10934	10.5	Brass	R412007701
G 1/2	11295	11	Brass	R412007695
G 1/2	12243	12	Brass	R412007703
G 1/2	16037	16	Brass	R412007543

Dimensions



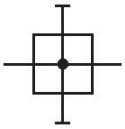
G = connection 1

Part No.	Port G	Ø D	H	L	SW	T [Nm]	NW
R412007521	G 1/4	18	69	10	19	30	8
R412007522	G 1/4	18	69	10	19	30	8
R412007523	G 1/4	18	69	10	19	30	8
R412007524	G 1/4	18	69	10	19	30	8
R412007525	G 1/4	18	69	10	19	30	8
R412007526	G 1/4	18	69	10	19	30	8
R412007527	G 1/4	18	69	10	19	30	8
R412007528	G 1/4	18	69	10	19	30	8
R412007529	G 1/4	18	69	10	19	30	8
R412007530	G 1/4	18	69	10	19	30	8
R412007531	G 1/4	18	69	10	19	30	8
R412007532	G 1/4	18	69	10	19	30	8
R412007533	G 3/8	22	75	10	24	40	10
R412007534	G 3/8	22	75	10	24	40	10
R412007535	G 3/8	22	75	10	24	40	10
R412007721	G 3/8	22	75	10	24	40	10
R412007536	G 3/8	22	75	10	24	40	10
R412007537	G 3/8	22	75	10	24	40	10
R412007538	G 3/8	22	75	10	24	40	10
R412007539	G 3/8	22	88	10	24	40	10
R412007540	G 3/8	22	88	10	24	40	10
R412007541	G 3/8	22	88	10	24	40	10
R412007542	G 1/2	26	78	12	27	50	15
R412007720	G 1/2	26	78	12	27	50	15
R412007690	G 1/2	26	78	12	27	50	15
R412007691	G 1/2	26	78	12	27	50	15
R412007692	G 1/2	26	78	12	27	50	15
R412007699	G 1/2	26	78	12	27	50	15
R412007696	G 1/2	26	78	12	27	50	15
R412007702	G 1/2	26	78	12	27	50	15
R412007698	G 1/2	26	78	12	27	50	15
R412007697	G 1/2	26	77.5	12	27	50	15
R412007693	G 1/2	26	91	12	27	50	15
R412007694	G 1/2	26	91	12	27	50	15
R412007700	G 1/2	26	91	12	27	50	15
R412007701	G 1/2	26	91	12	27	50	15
R412007695	G 1/2	26	91	12	27	50	15
R412007703	G 1/2	26	91	12	27	50	15
R412007543	G 1/2	26	91	12	27	50	15
R412007544	G 3/4	32	106	12	30	60	20
R412007684	G 3/4	32	106	12	30	60	20
R412007545	G 3/4	32	106	12	30	60	20
R412007546	G 3/4	32	106	12	30	60	20
R412007547	G 3/4	32	106	12	30	60	20
R412007548	G 3/4	32	106	12	30	60	20
R412007549	G 3/4	32	116	12	30	60	20
R412007550	G 3/4	32	116	12	30	60	20
R412007551	G 3/4	32	116	12	30	60	20
R412007552	G 3/4	32	116	12	30	60	20

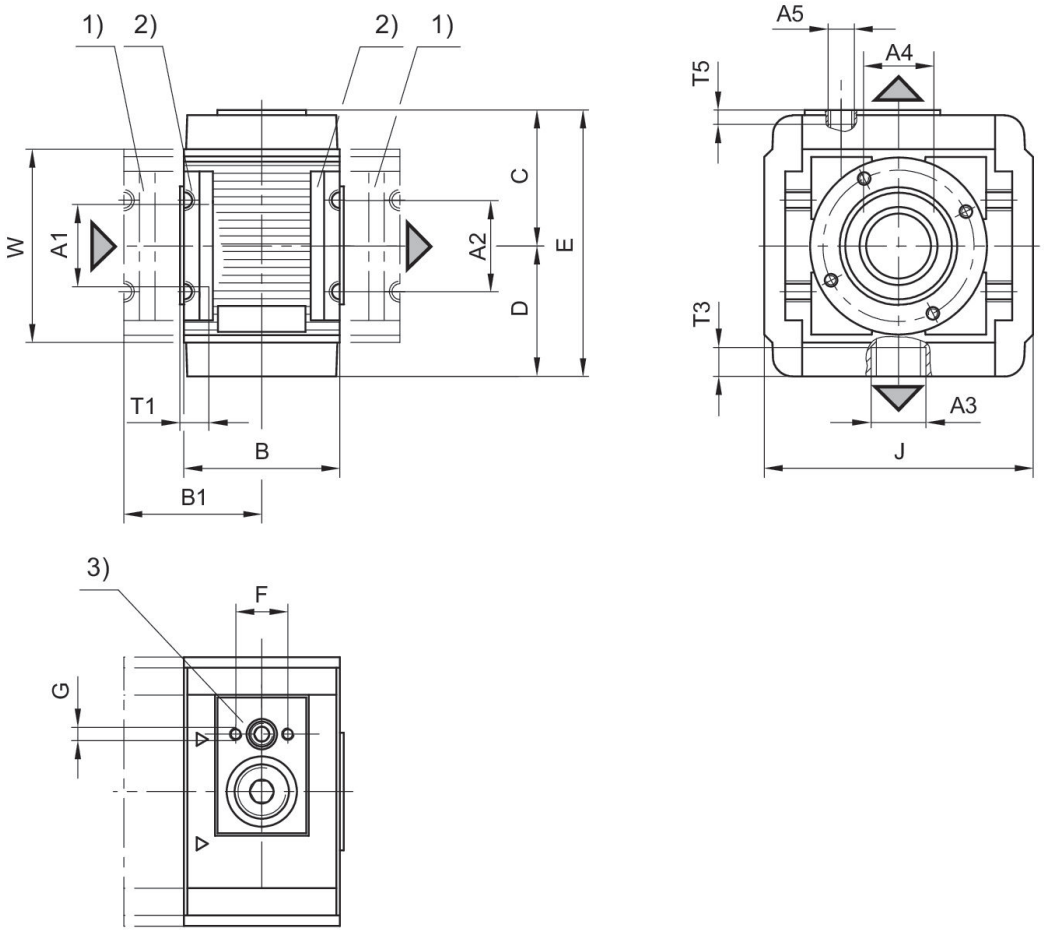
NW = nominal width

Distributor, Series NL6-DIL

Flow Flow: 25000 l/min
Parts: Distributor
Qn 1 > 2: 25000 l/min
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0 bar
Max. working pressure: 16 bar

	Port	Nominal flow [l/min]	Part No.
	G 1	25000	0821300978

Dimensions



A1 = input A2 = output A3 = output
A4 = output
1) Subbase G1, material number 1827009591, must be ordered separately.
2) No connection thread
3) hole pattern for mechanical vacuum/pressure switch
Block assembly with block assembly kit, material number 1827009593

Dimensions in mm

Part No.	A1	A2	A3	A4	A5	B	B1	C	D
0821300978	G 1	G 1	G 1/2	G 1/2	G 1/8	60	53	52	50

Part No.	E	F	G	J	T1	T3	T5	W
0821300978	102	20	M5	103	18	14.5	8	74

Reservoir, Series NL4-CLS, NL6-CLS

Parts: Reservoir
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 1.5 bar
Max. working pressure: 16 bar

Condensate drain	Filter reservoir volume [cm³]	Fig.	Version	Part No.
semi-automatic, open without pressure	50	Fig. 1	reservoir, polycarbonate, without protective guard	1827009337
semi-automatic, open without pressure	50	Fig. 2	reservoir, metal, with inspection glass	1827009343
fully automatic, open without pressure	50	Fig. 3	reservoir, polycarbonate, without protective guard	1827009338
fully automatic, open without pressure	50	Fig. 4	reservoir, metal, with inspection glass	1827009344

Fig. 1

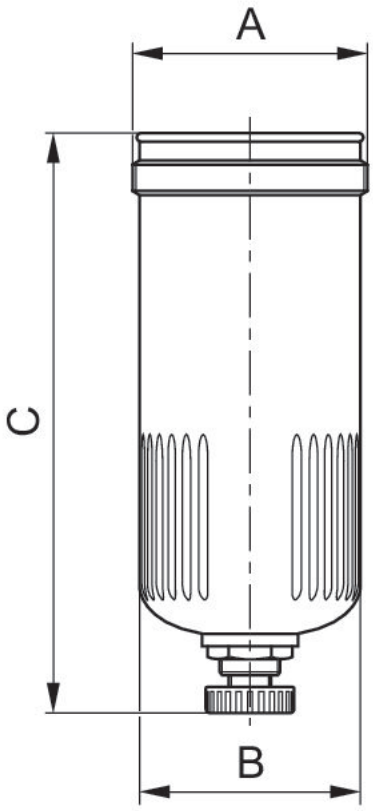


Fig. 2

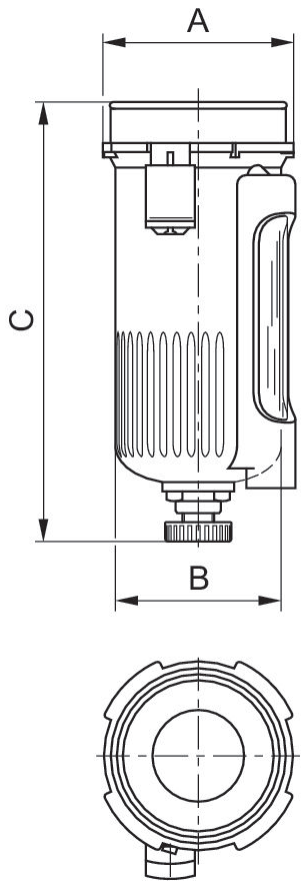


Fig. 3

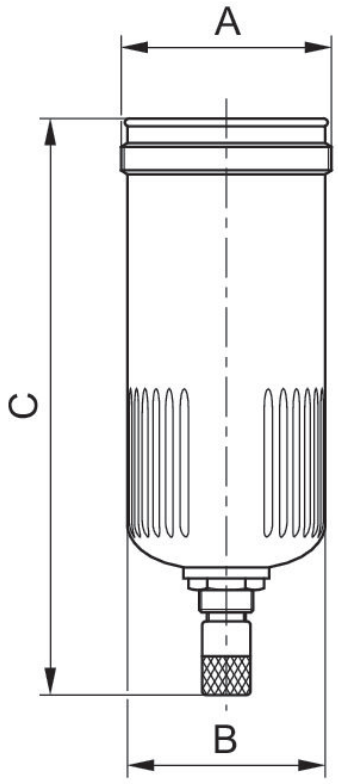
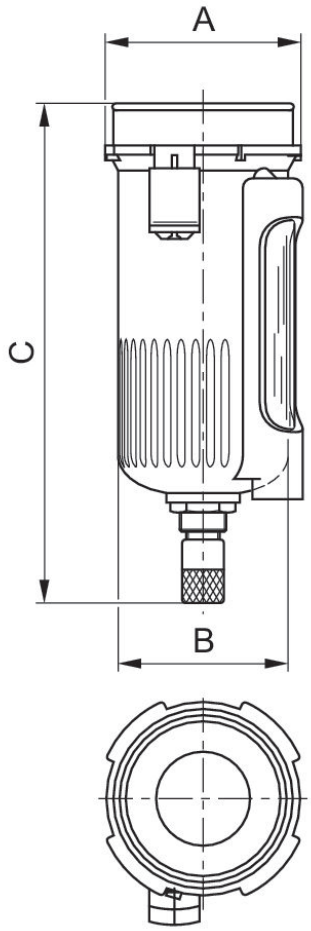


Fig. 4



Dimensions in mm

Part No.	A	B	C
1827009337	M56x1,5	53.5	132
1827009338	M56x1,5	53.5	150
1827009343	62.5	53.5	132
1827009344	62.5	53.5	150

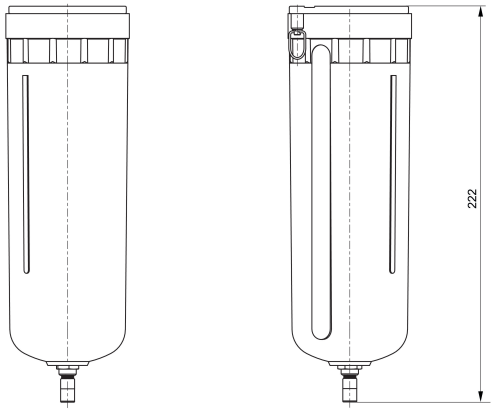
Reservoir, Series NL6-CLC

Condensate drain: fully automatic, open without pressure
Parts: Reservoir
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: 1.5 bar
Max. working pressure: 16 bar

Condensate drain	Filter reservoir volume [cm³]	Version	Part No.
fully automatic, open without pressure	150	reservoir, polycarbonate, with metal protective guard	1827009604
fully automatic, open without pressure	150	Metal reservoir without window	1827009605

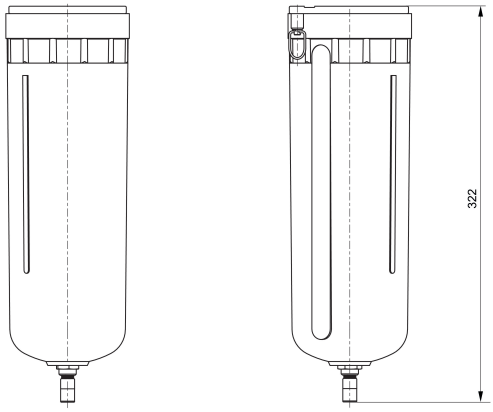
1827009604

Dimensions in mm



1827009605

Dimensions in mm

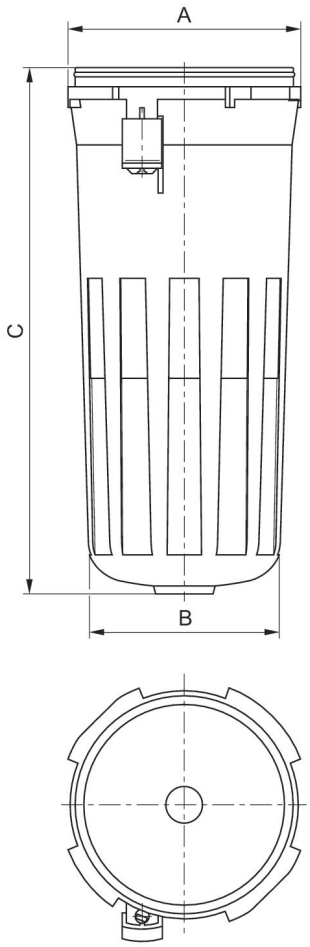


Reservoir, Series NL6-CLA

Parts: Reservoir
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Max. working pressure: 16 bar

Filter reservoir volume [cm³]	Version	Part No.
130	Metal reservoir without window	1827009610
130	Metal reservoir without window	1827009611

Dimensions



Dimensions in mm

Part No.	Compressed air connection	A	B	C
1827009610	G 3/4	94.5	75.4	200
1827009611	G 1	94.5	70.5	300

Reservoir, Series NL4-CBS, NL4-CLA, NL6-CBS

Parts: Reservoir
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Max. working pressure: 16 bar

Fig.	Version	Part No.
Fig. 1	reservoir, polycarbonate, without protective guard	R412003757
Fig. 2	reservoir, polycarbonate, without protective guard	1827009336
Fig. 3	reservoir, metal, with inspection glass	1827009342

Fig. 1

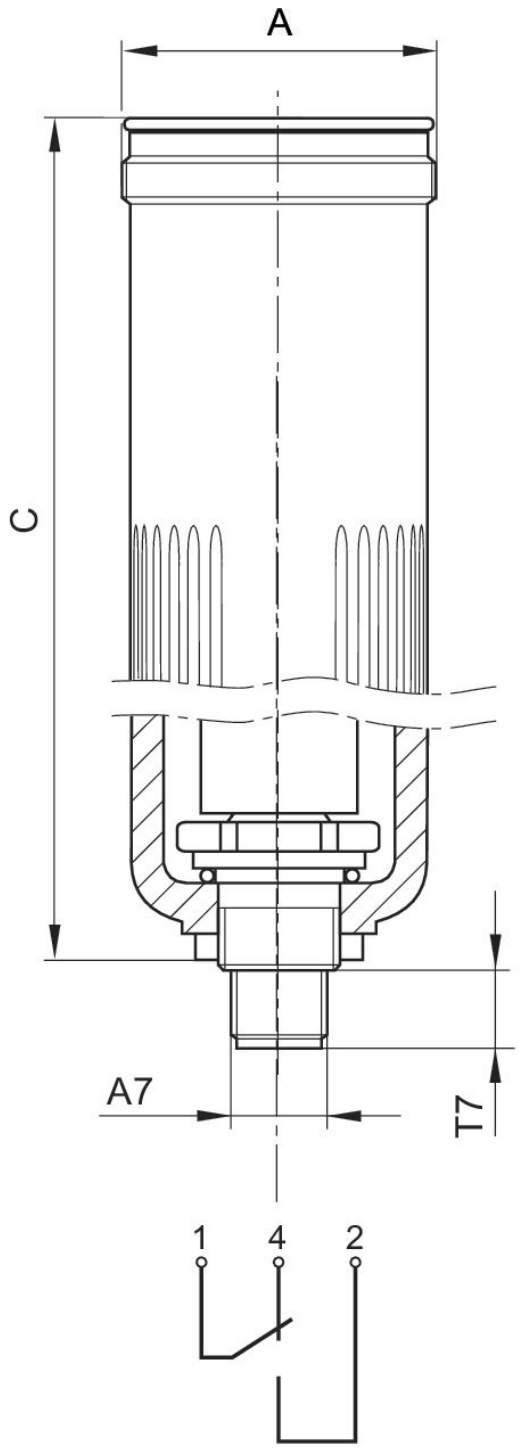


Fig. 2

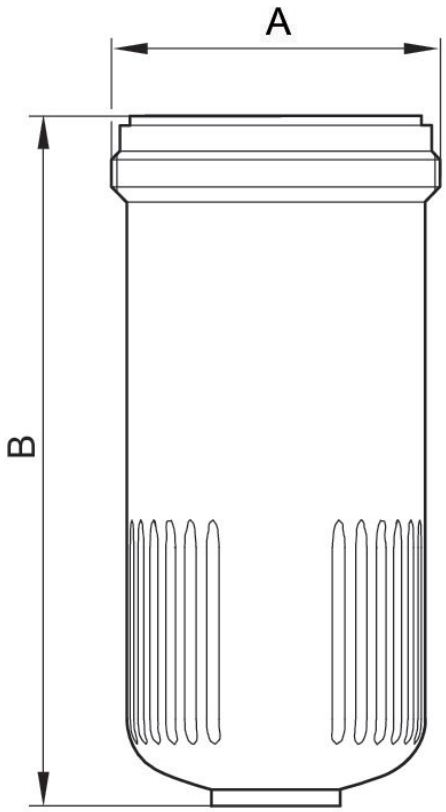
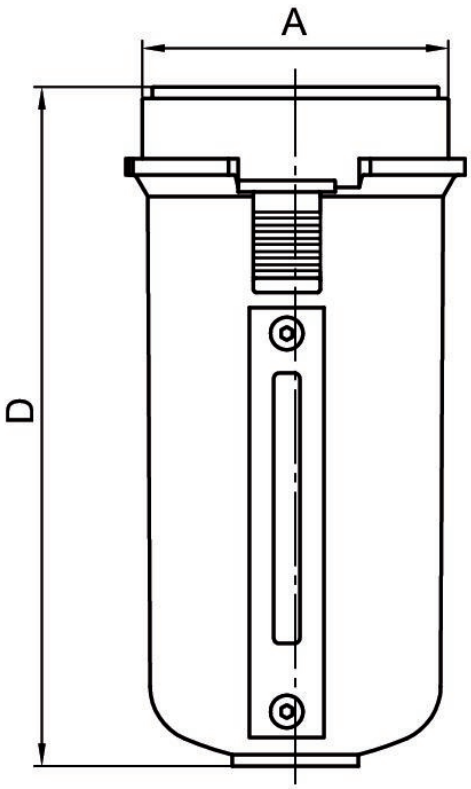


Fig. 3



Dimensions in mm

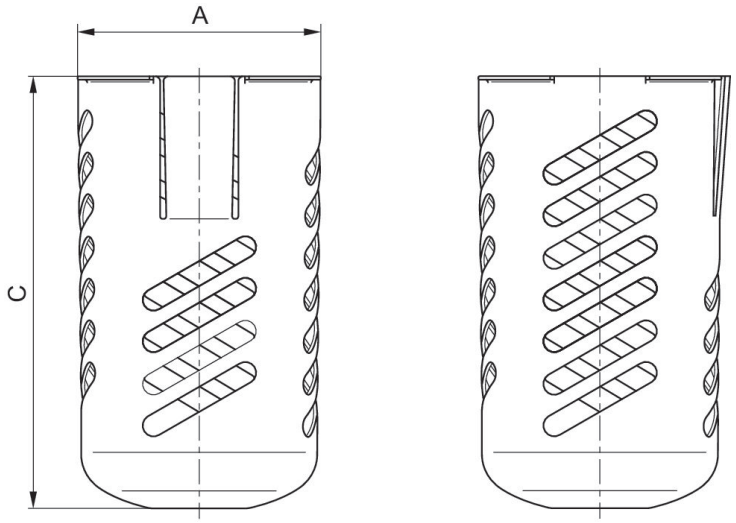
Part No.	A	A7	B	C	D	T7
1827009336	M56x1.5	-	117.5	129.5	-	-
1827009342	Ø53.1	-	-	119	119	-
R412003757	M56x1.5	M12x1	-	129.5	-	12

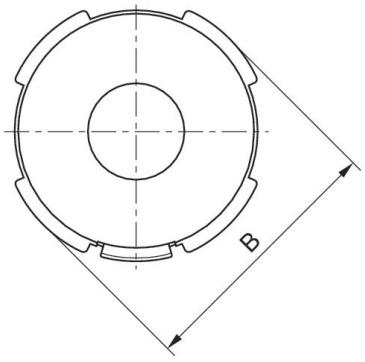
Protective guard

For series: NL4 NL6

Type	Material	Weight [kg]	Part No.
NL4	Steel, chrome-plated	0.14	1820507001

Dimensions





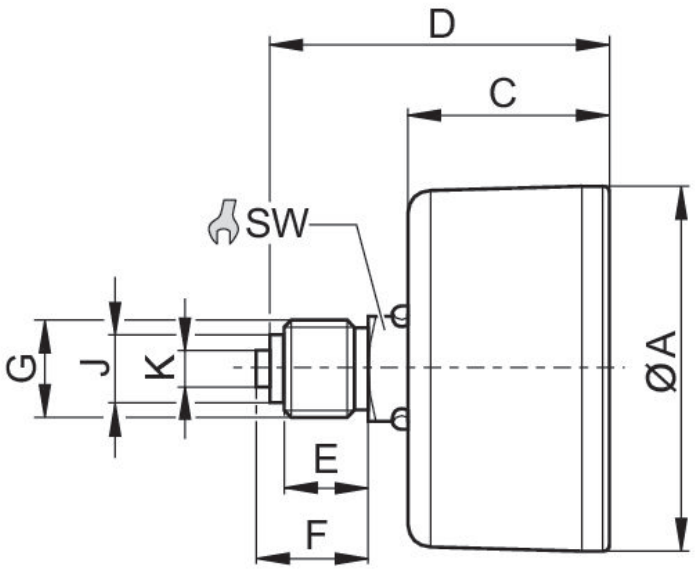
Part No.	Type	A	B	C
1820507001	NL4	57,8	62,6	103

Pressure gauge, Series PG1-SNL-ADJ

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	R412003474
	Bourdon tube pressure gauge	50	G 1/4	0	2	0	2.5	R412003475
	Bourdon tube pressure gauge	50	G 1/4	0	3.2	0	4	R412003476
	Bourdon tube pressure gauge	50	G 1/4	0	4	0	6	R412003477
	Bourdon tube pressure gauge	50	G 1/4	0	8	0	10	R412003478
	Bourdon tube pressure gauge	50	G 1/4	0	12	0	16	R412003479

Dimensions



Part No.	Compressed air connection	Nominal diameter	Ø A	C	D	E	F	J	K
1827231075	G 1/8	50 mm	49	26.5	41.5	8	10	8	–
1827231076	G 1/8	50 mm	49	26.5	41.5	8	10	8	–
1827231077	G 1/8	50 mm	49	26.5	41.5	8	10	8	–
1827231078	G 1/8	50 mm	49	26.5	41.5	8	10	8	–
1827231079	G 1/8	50 mm	49	26.5	41.5	8	10	8	–
1827231080	G 1/8	50 mm	49	26.5	41.5	8	10	8	–
R412003474	G 1/4	50 mm	49	26.5	44.5	11	15	9.5	5
R412003475	G 1/4	50 mm	49	26.5	44.5	11	15	9.5	5
R412003476	G 1/4	50 mm	49	26.5	44.5	11	15	9.5	5
R412003477	G 1/4	50 mm	49	26.5	44.5	11	15	9.5	5
R412003478	G 1/4	50 mm	49	26.5	44.5	11	15	9.5	5
R412003479	G 1/4	50 mm	49	26.5	44.5	11	15	9.5	5

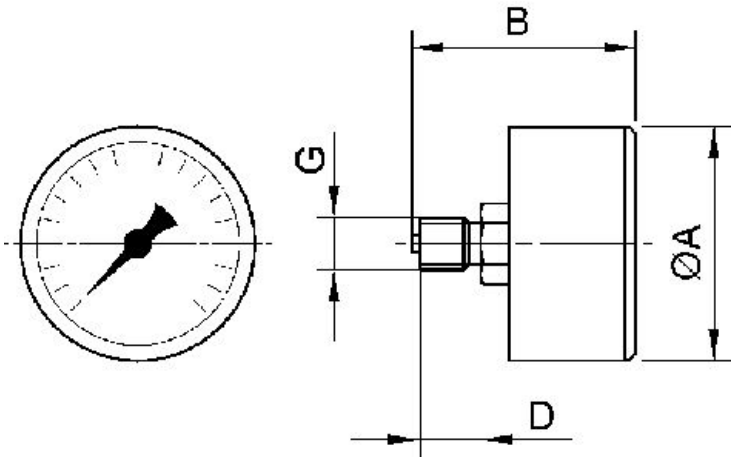
Part No.	SW
1827231075	14
1827231076	14
1827231077	14
1827231078	14
1827231079	14
1827231080	14
R412003474	14
R412003475	14
R412003476	14
R412003477	14
R412003478	14
R412003479	14

Pressure gauge, Series PG1-SNL

Min. ambient temperature: -40 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0 bar
Max. working pressure: 16 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	12	0	16	R412004987

Dimensions



Dimensions in mm

Part No.	G	Nominal diameter	Ø A	B	D
R412004987	G 1/4	50 mm	49	48.3	13

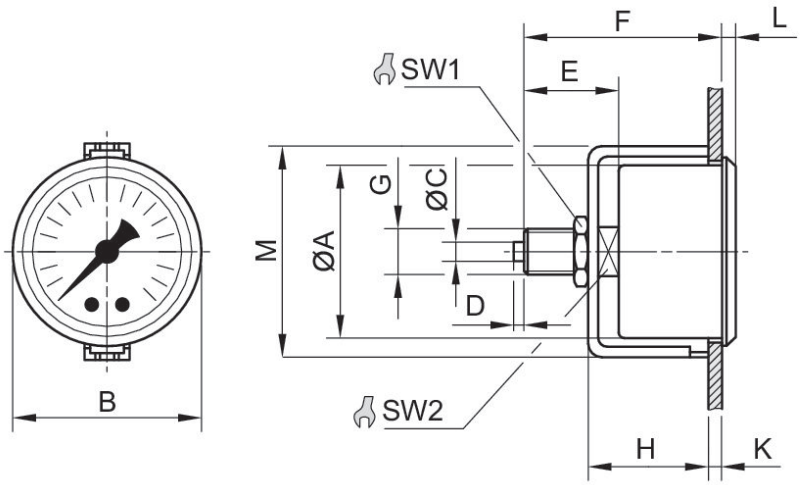
Pressure gauge, Series PG1-SNL

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

	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	2	0	2.5	1827231032
	Bourdon tube pressure gauge	63	G 1/4	0	2	0	2.5	1827231036
	Bourdon tube pressure gauge	50	G 1/4	0	4	0	6	1827231033
	Bourdon tube pressure gauge	63	G 1/4	0	4	0	6	1827231037
	Bourdon tube pressure gauge	50	G 1/4	0	8	0	10	1827231034
	Bourdon tube pressure gauge	63	G 1/4	0	8	0	10	1827231038

	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	12	0	16	1827231035
	Bourdon tube pressure gauge	63	G 1/4	0	12	0	16	1827231039

Dimensions



Dimensions in mm

Part No.	Compressed air connection	Nominal diameter	Ø A	B	C	D	E	F	H
1827231040	G 1/8	40 mm	40	43	–	–	25.5	49	32
1827231042	G 1/8	40 mm	40	43	–	–	25.5	49	32
1827231041	G 1/8	40 mm	40	43	–	–	25.5	49	32
1827231030	G 1/8	40 mm	40	43	–	–	25.5	49	32
1827231031	G 1/8	40 mm	40	43	–	–	25.5	49	32
1827231032	G 1/4	50 mm	50	54	5	3	29.5	51.5	34.5
1827231036	G 1/4	63 mm	62	67	5	3	27	53	36.3
1827231033	G 1/4	50 mm	50	54	5	3	29.5	51.5	34.5
1827231037	G 1/4	63 mm	62	67	5	3	27	53	36.3
1827231034	G 1/4	50 mm	50	54	5	3	29.5	51.5	34.5
1827231038	G 1/4	63 mm	62	67	5	3	27	53	36.3
1827231035	G 1/4	50 mm	50	54	5	3	29.5	51.5	34.5
1827231039	G 1/4	63 mm	62	67	5	3	27	53	36.3
1827231018	G 1/8	40 mm	40	43	–	–	25.5	49	32
1827231023	G 1/4	50 mm	50	54	5	3	29.5	51.5	34.5

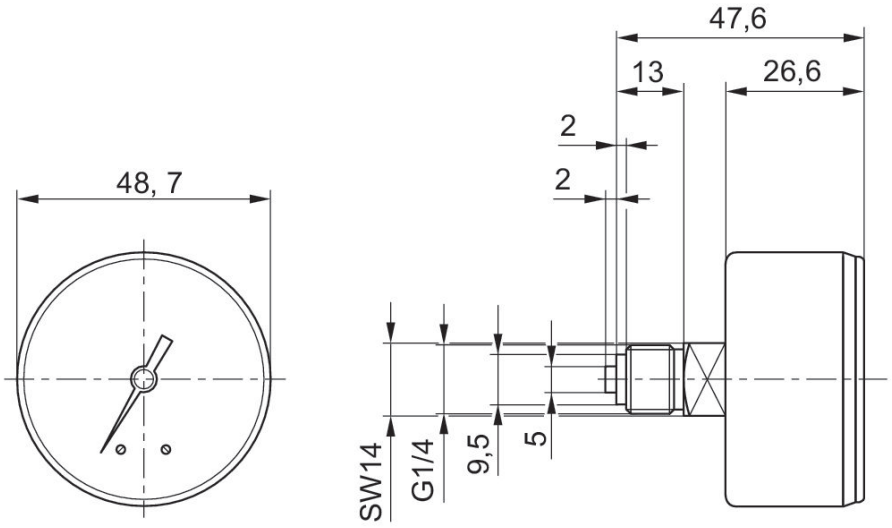
Part No.	K	L	M	SW1	SW2
1827231040	4	4	49	17	14
1827231042	4	4	49	17	14
1827231041	4	4	49	17	14
1827231030	4	4	49	17	14
1827231031	4	4	49	17	14
1827231032	3	4.5	61	17	14
1827231036	4.2	5.5	75	17	14
1827231033	3	4.5	61	17	14
1827231037	4.2	5.5	75	17	14
1827231034	3	4.5	61	17	14
1827231038	4.2	5.5	75	17	14
1827231035	3	4.5	61	17	14
1827231039	4.2	5.5	75	17	14
1827231018	4	4	49	17	14
1827231023	3	4.5	61	17	14

Pressure gauge, Series PG1-SNL

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

	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	1827231023

Dimensions in mm



Dimensions in mm

Part No.	Compressed air connection	Nominal diameter	Ø A	B	C	D	E	F	H
1827231023	G 1/4	50 mm	50	54	5	3	29.5	51.5	34.5

Part No.	K	L	M	SW1	SW2
1827231023	3	4.5	61	17	14

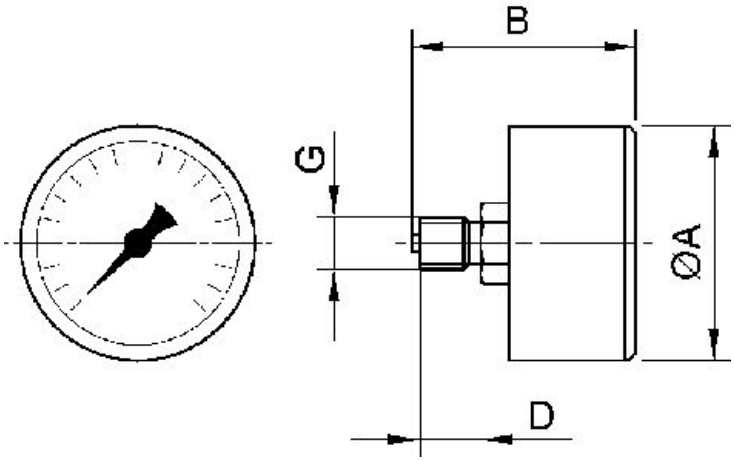
Pressure gauge, Series PG1-SNL

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

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 1/4	-0.8	0	-1	0	1827231057
Bourdon tube pressure gauge	40	G 1/4	0	10	0	16	1827231047
Bourdon tube pressure gauge	40	G 1/4	0	4	0	6	1827231059
Bourdon tube pressure gauge	40	G 1/4	0	8	0	10	1827231060
Bourdon tube pressure gauge	50	G 1/4	-0.8	0	-1	0	1827231054
Bourdon tube pressure gauge	50	G 1/4	0	2	0	2.5	1827231012
Bourdon tube pressure gauge	50	G 1/4	0	4	0	6	1827231016
Bourdon tube pressure gauge	50	G 1/4	0	8	0	10	1827231015
Bourdon tube pressure gauge	50	G 1/4	0	12	0	16	1827231010
Bourdon tube pressure gauge	63	G 1/4	-0.8	0	-1	0	1827231055

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	63	G 1/4	0	12	0	16	1827231011

Dimensions



Dimensions in mm

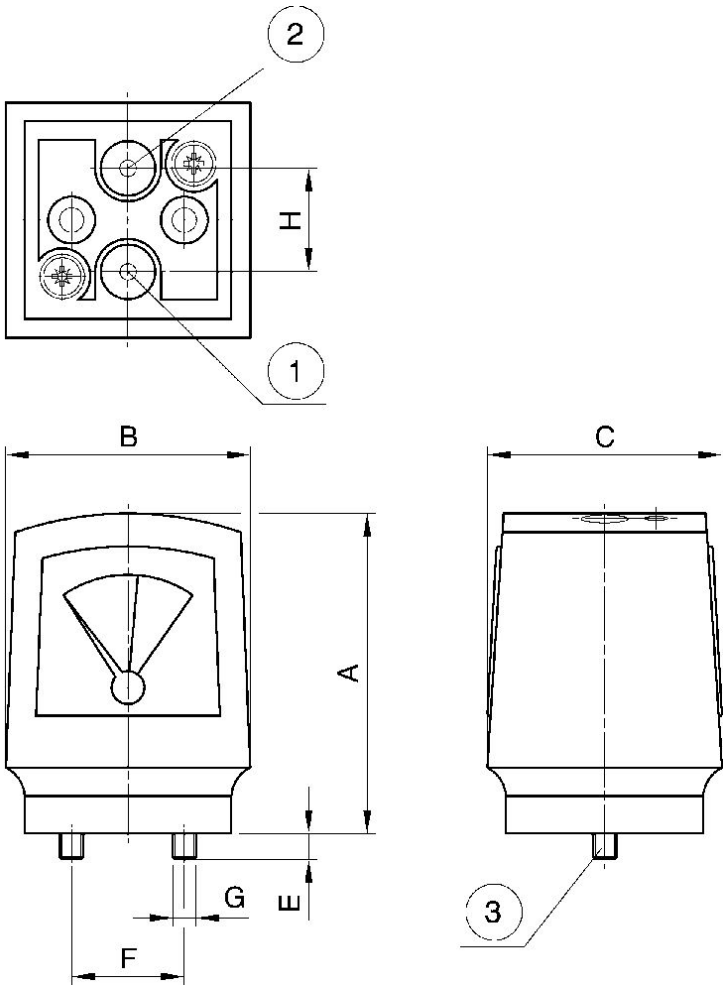
Part No.	G	Nominal diameter	Ø A	B	D
1827231053	G 1/8	40 mm	39	44	10
1827231048	G 1/8	40 mm	39	44	10
1827231024	G 1/8	40 mm	39	44	10
1827231009	G 1/4	40 mm	39	44	10
1827231057	G 1/4	40 mm	41	41.5	10
1827231047	G 1/4	40 mm	41	41.5	10
1827231059	G 1/4	40 mm	41	41.5	10
1827231060	G 1/4	40 mm	41	41.5	10
1827231054	G 1/4	40 mm	49	47.5	13
1827231023	G 1/4	50 mm	49	47.5	13
1827231012	G 1/4	50 mm	49	47.5	13
1827231016	G 1/4	50 mm	49	47.5	13
1827231015	G 1/4	50 mm	49	47.5	13
1827231010	G 1/4	50 mm	49	47.5	13
1827231055	G 1/4	60 mm	63	48.3	13
1827231011	G 1/4	63 mm	63	48.3	13

Pressure gauge, Series PG1-DIM

Min. ambient temperature: 0 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0 bar
Max. working pressure: 16 bar

	Type	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.
	Diaphragm pressure gauge	0	0.5	0	0.5	1827231072

Dimensions



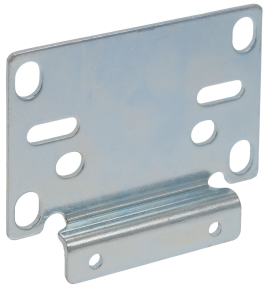
1) Input pressure p1 2) Output pressure p2
3) Mounting screw and 2 O-rings included in scope of delivery

Dimensions in mm

Part No.	A	B	C	E	F	G	H
1827231072	68	52	50	6	24	M5	22

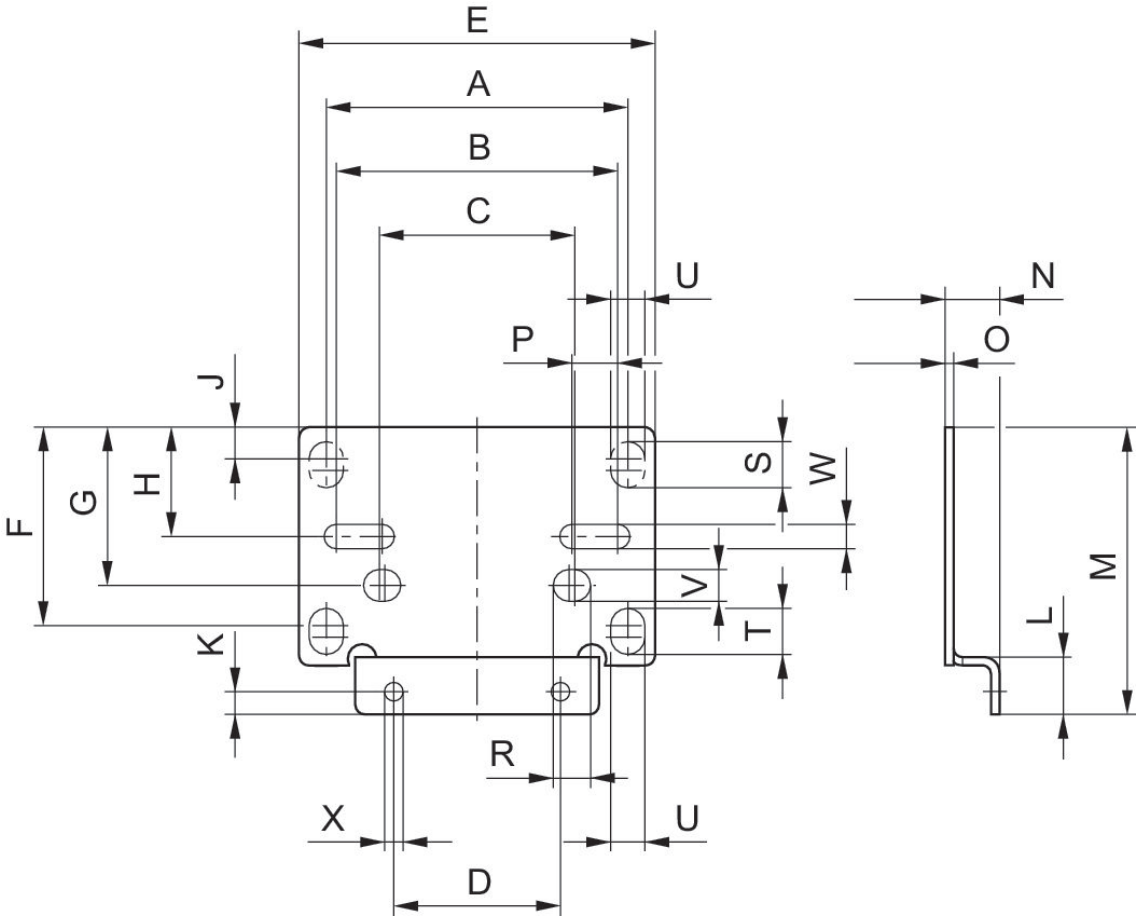
Mounting plate, Series NL6-MBR-...-W01

For series: NL6
Min. ambient temperature: -40 °C
Max. ambient temperature: 60 °C



Material	Part No.
Steel, chrome-plated	1821336017

Dimensions



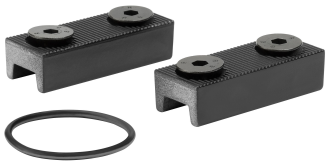
Part No.	A	B	C	D	E	F	G	H	J
1821336017	105	98	68	58	124	69	55	38	11

Part No.	K	L	M	N	O	P	R	S	T
1821336017	8	20	100	19	3	16	13	16	16

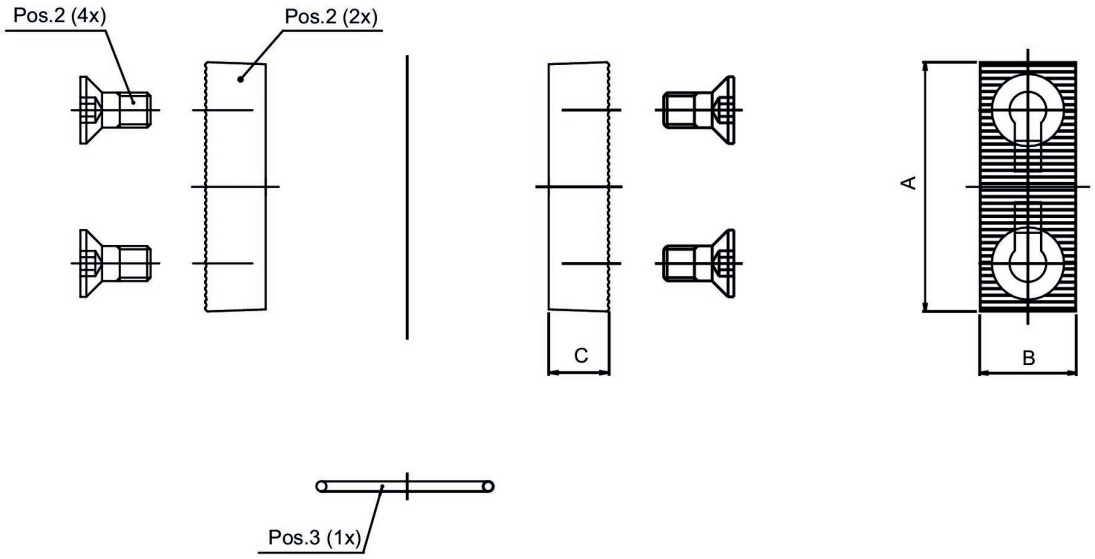
Part No.	U	V	W	X
1821336017	12	11	8.4	6.4

Block assembly kit, Series NL6-MBR-...-W04

For series: NL6



Weight [kg]	Part No.
0.02	1827009593



1) clamp mounting 2) screw 3) O-ring

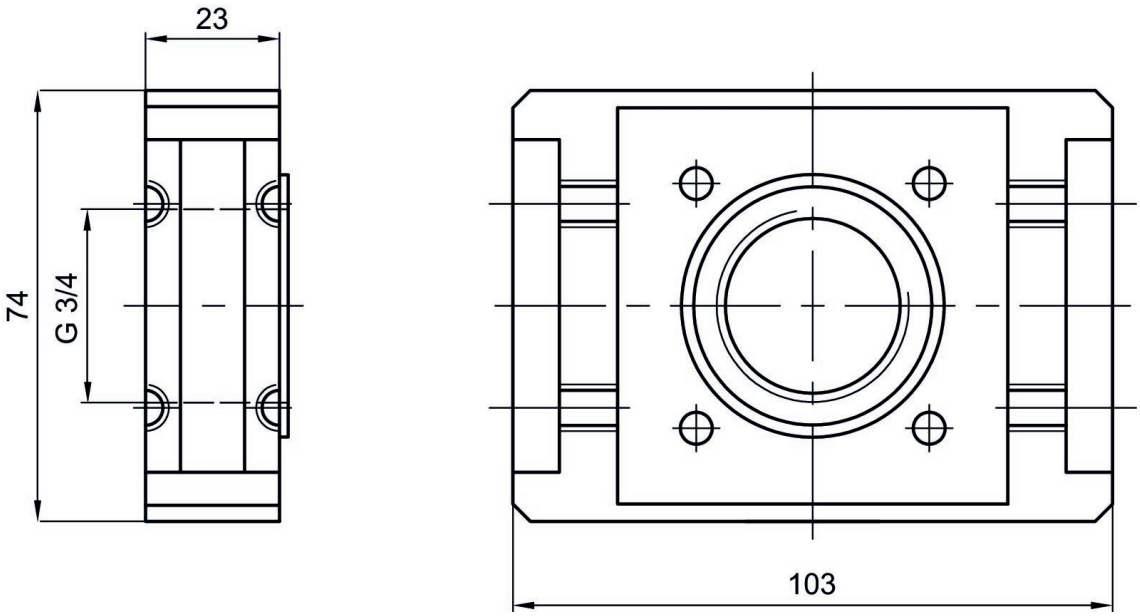
Part No.	A	B	C
1827009593	56.9	22	13.8

Stop plate with connection thread

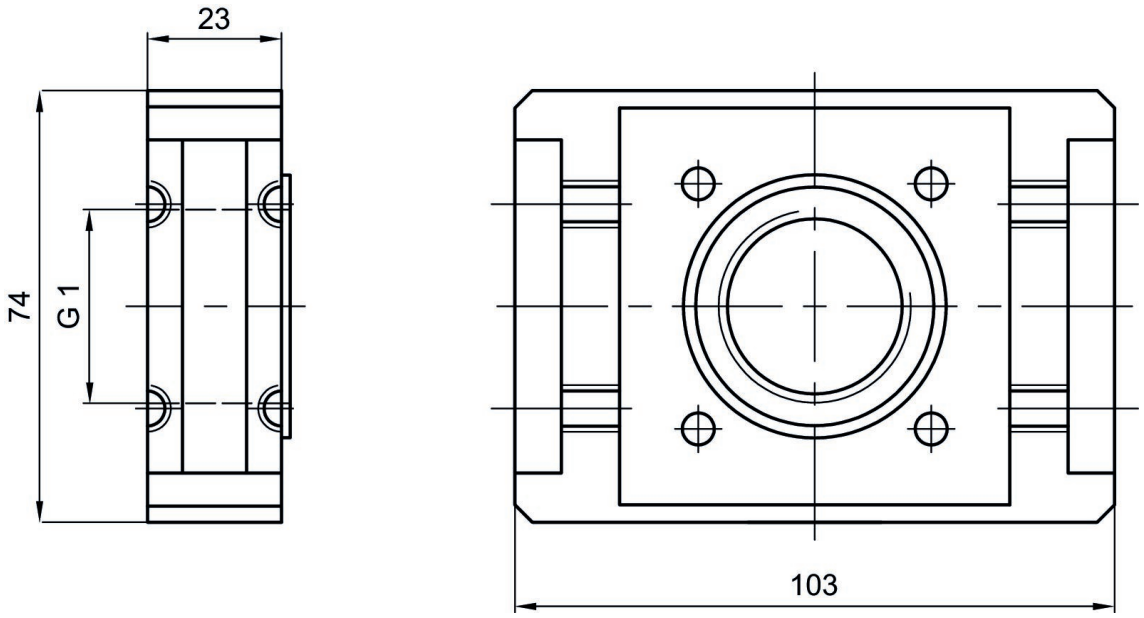
For series: NL6

Compressed air connection	Material	Weight [kg]	Part No.
G 3/4	Die cast zinc	0.272	1827009590
G 1	Die cast zinc	0.25	1827009591

Dimensions in mm



Dimensions in mm



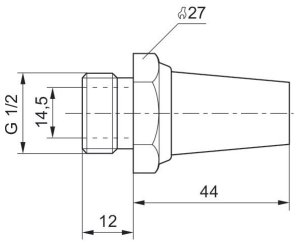
Silencers, series SI1, Sintered bronze

Compressed air connection type: External thread
Silencer material: Sintered bronze
Min. ambient temperature: -25 °C
Max. ambient temperature: 80 °C
Min. working pressure: 0 bar
Max. working pressure: 10 bar

G	Sound pressure level [dB]	Nominal flow [l/min]	Delivery unit [piece]	Weight [kg]	Part No.
G 1/2	90	7223	2	0.08	1827000003

1827000003

Dimensions in mm

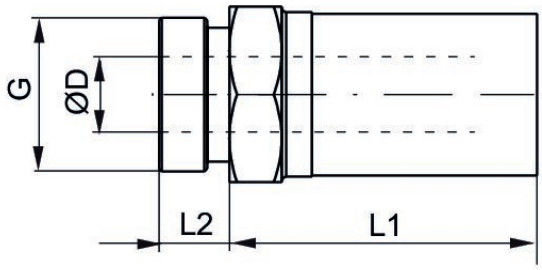


Silencers, series SI1, Stainless Steel

Compressed air connection type: External thread
Silencer material: Stainless Steel
Min. ambient temperature: -20 °C
Max. ambient temperature: 150 °C
Min. working pressure: 0 bar
Max. working pressure: 10 bar

G	Sound pressure level [dB]	Nominal flow [l/min]	Delivery unit [piece]	Weight [kg]	Part No.
G 1/2	95	5649	1	0.048	R412010084

Dimensions



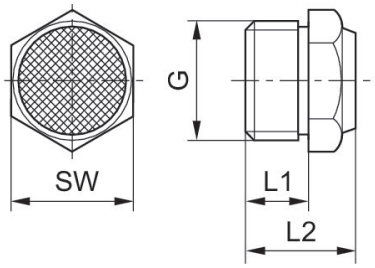
Part No.	Port G	SW	Ø D	L1	L2
R412010090	M5	9	3.1	16.5	5
R412010081	G 1/8	12	6.6	21.5	7
R412010082	G 1/4	15	8.6	24	9
R412010083	G 3/8	19	12.1	31	9
R412010084	G 1/2	23	15.3	38.5	9.5
R412010085	G 3/4	30	19.3	47.5	11
R412010086	G 1	36	25.5	56	15

Silencers, series SI1, Sintered bronze

Compressed air connection type: External thread
Silencer material: Sintered bronze
Min. ambient temperature: -25 °C
Max. ambient temperature: 80 °C
Min. working pressure: 0 bar
Max. working pressure: 10 bar

G	Sound pressure level [dB]	Nominal flow [l/min]	Delivery unit [piece]	Weight [kg]	Part No.
G 1/2	85	2568	2	0.035	1827000035

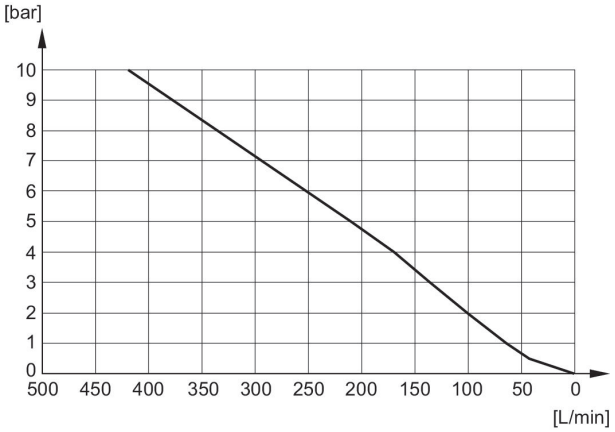
Dimensions



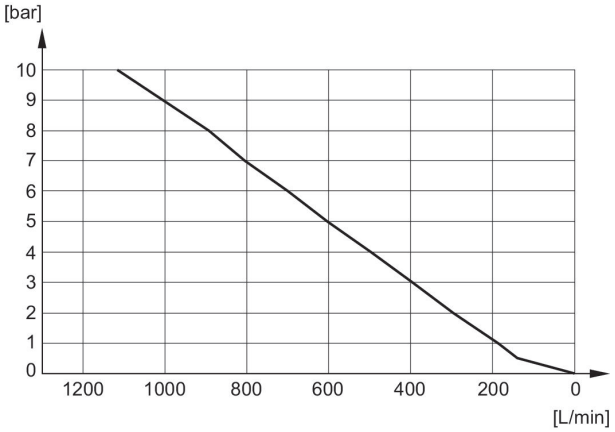
Part No.	Port G	L1	L2	SW
1827000032	M5	5	10.3	7
1827000031	G 1/8	6	11.5	13
1827000033	G 1/4	8	13.5	17
1827000034	G 3/8	10	17.5	22
1827000035	G 1/2	12	19.5	27
8145003400	G 3/4	14	22.5	32
8145001000	G 1	16	22.5	41

Sound pressure level measured at 6 bar at 1 m distance

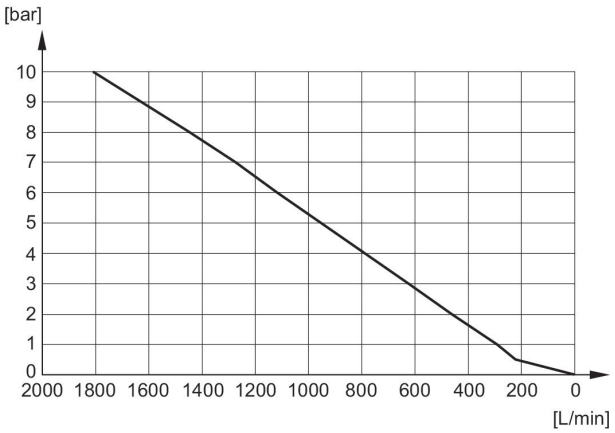
Flow diagram R412024742, R412024749, R412010090



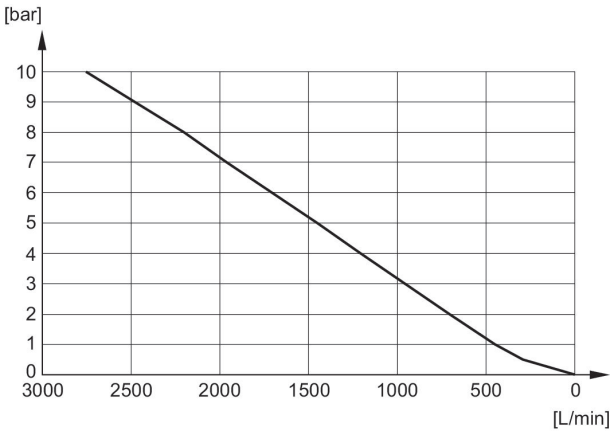
Flow diagram R412024742, R412024749, R412010090



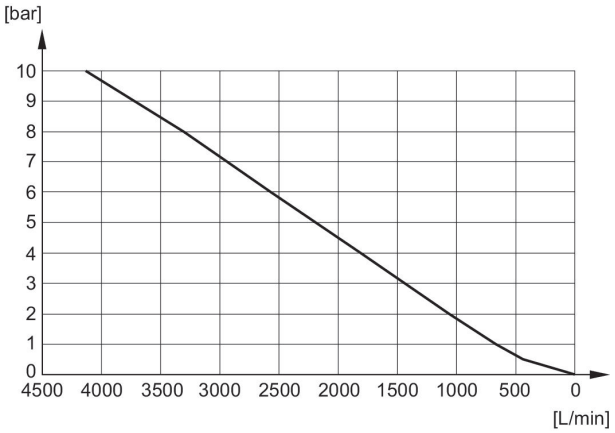
Flow diagram R412024742, R412024749, R412010090



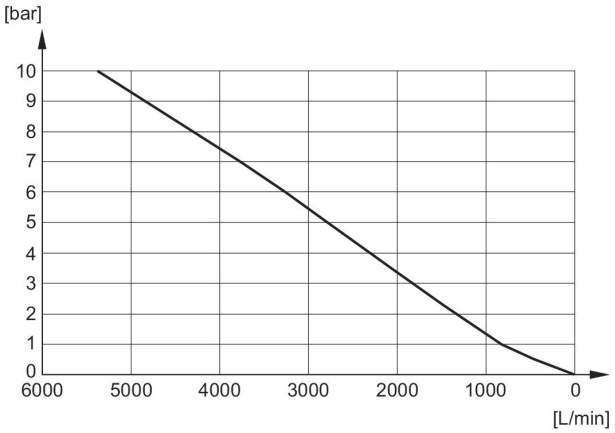
Flow diagram R412024742, R412024749, R412010090



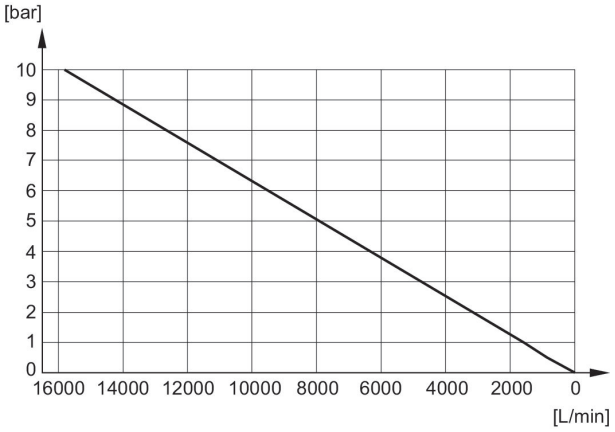
Flow diagram R412024742, R412024749, R412010090



Flow diagram R412024742, R412024749, R412010090



Flow diagram R412024742, R412024749, R412010090

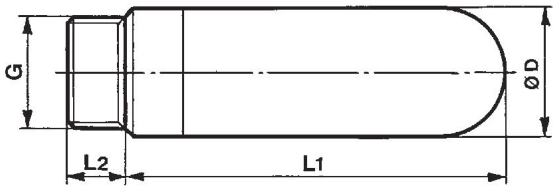


Silencers, series SI1, Polyethylene

Compressed air connection type: External thread
Silencer material: Polyethylene
Min. ambient temperature: -25 °C
Max. ambient temperature: 80 °C
Min. working pressure: 0 bar
Max. working pressure: 10 bar

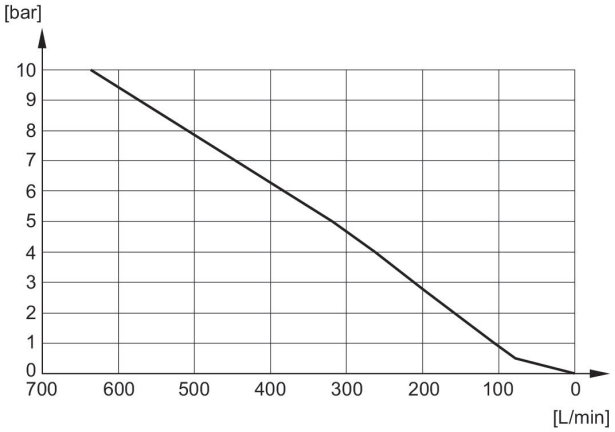
G	Sound pressure level [dB]	Nominal flow [l/min]	Delivery unit [piece]	Weight [kg]	Part No.
G 1/2	88	7142	1	0.013	1827000022

Dimensions

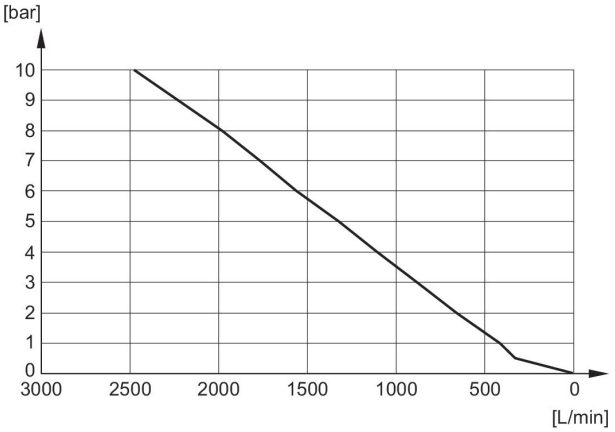


Part No.	Port G	Ø D	L1	L2
1827000018	M5	6.5	17.5	4
1827000019	G 1/8	12.5	28.5	5.5
1827000020	G 1/4	15.5	34.5	8
1827000021	G 3/8	18.5	56	11.5
1827000022	G 1/2	23.3	66.5	11
1827000023	G 3/4	38.5	115.5	16
1827000024	G 1	49	140	21

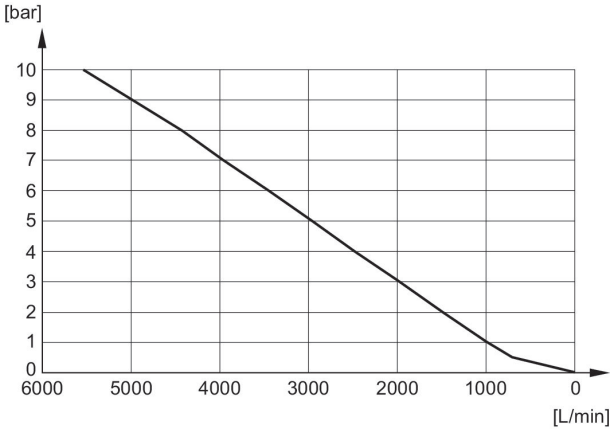
Flow diagram R412024742, R412024749, R412010090



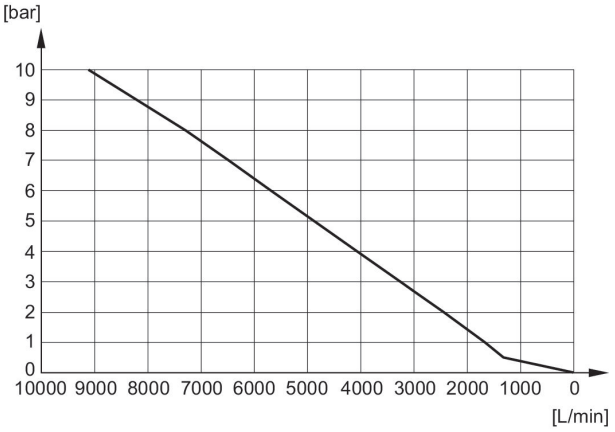
Flow diagram R412024742, R412024749, R412010090



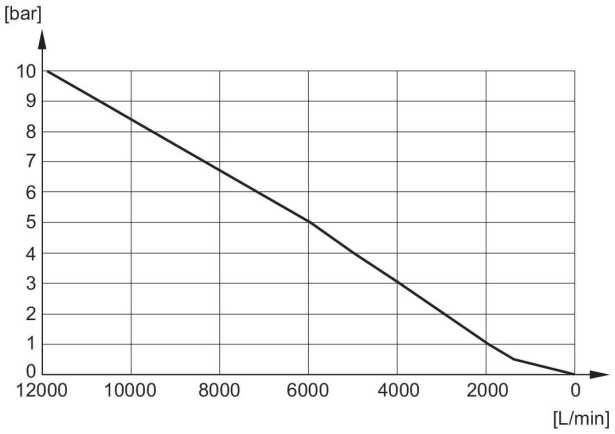
Flow diagram R412024742, R412024749, R412010090



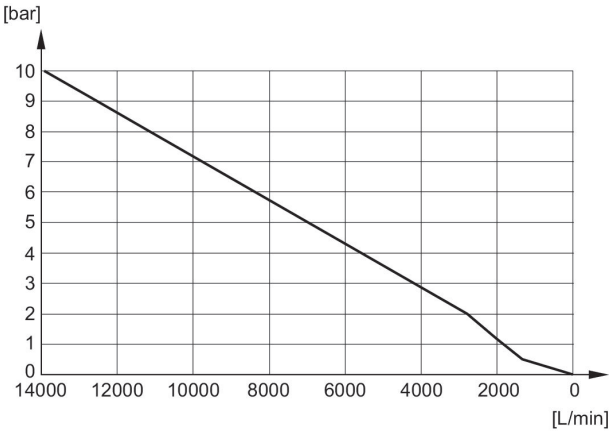
Flow diagram R412024742, R412024749, R412010090



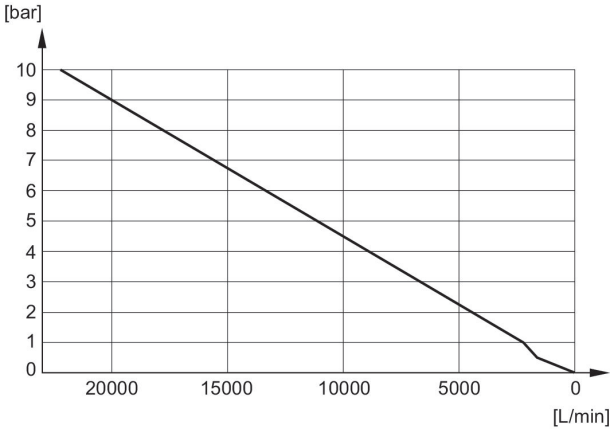
Flow diagram R412024742, R412024749, R412010090



Flow diagram R412024742, R412024749, R412010090

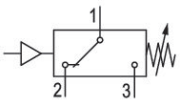


Flow diagram R412024742, R412024749, R412010090



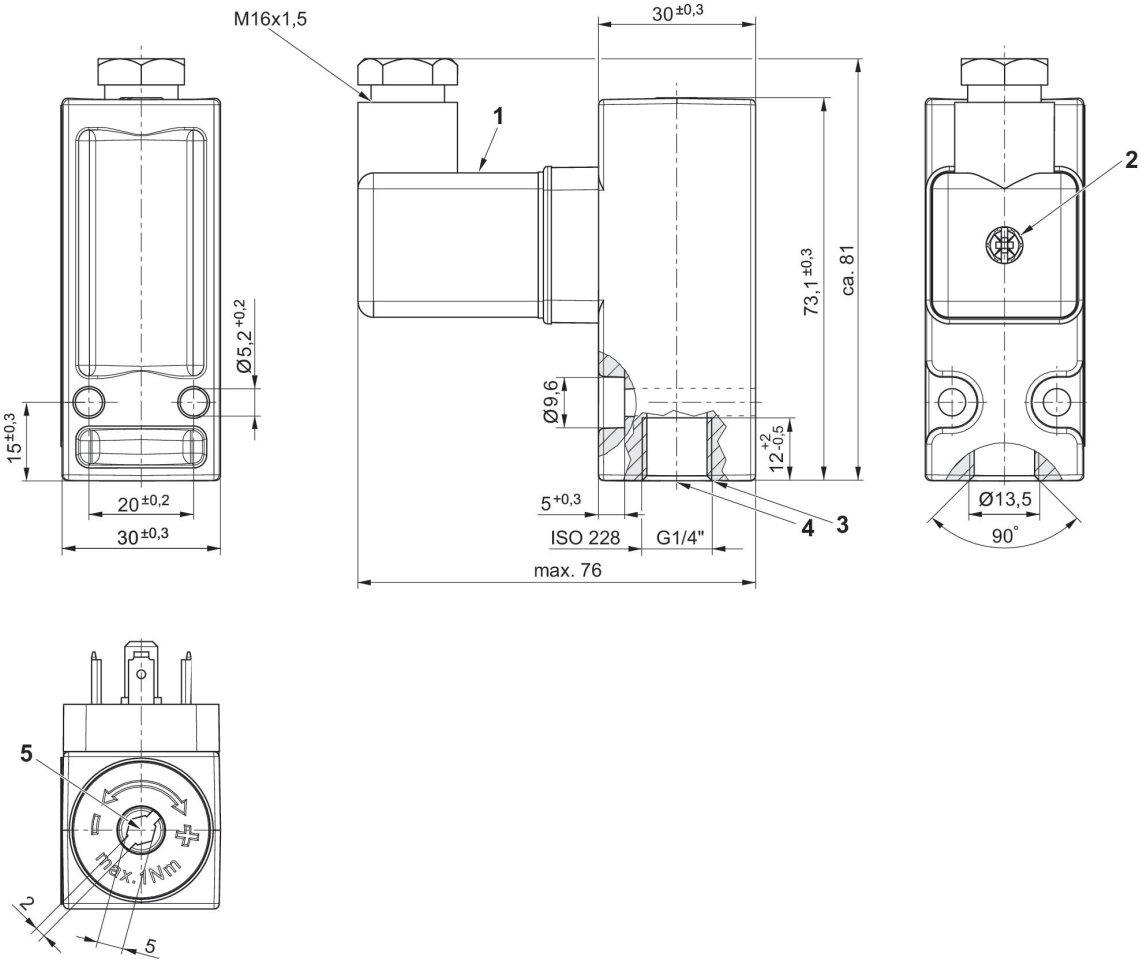
Pressure Switches, Series PM1, G1/4, form A, With valve plug connector

Electrical connection 2, thread size: EN 175301-803, form A
Compressed air connection type: Internal thread
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C



Thread connection	Operating pressure min [bar]	Operating pressure max [bar]	Protection against overpressure	Hysteresis	Mounting orientation	Part No.
G 1/4	-0.9	0	80 bar	max. switching pressure difference	Any	R412010711
G 1/4	0.2	16	80 bar	max. switching pressure difference	Any	R412010713
G 1/4	-0.9	3	80 bar	max. switching pressure difference	Any	R412022752

Dimensions in mm



1) Valve plug connector
2) Mounting screw
3) sealing surface
4) Tightening torque MA = 12 + 1 Nm
5) Adjustment screw, self-holding

Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30-250	5	-
30 / 48 / 60 / 125	-	3 / 1,2 / 0,8 / 0,4

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC

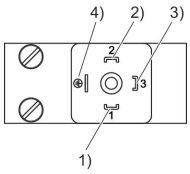
Max. permissible continuous current I max. [A] with inductive load

U [V]	I [A] 1) 3)	I [A] 2) 4)
30-250	3	-
30 / 48 / 60 / 125	-	2 / 0,55 / 0,4 / 0,05

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC
3) cos ≈ 0,7°
4) L/R ≈ 10 ms

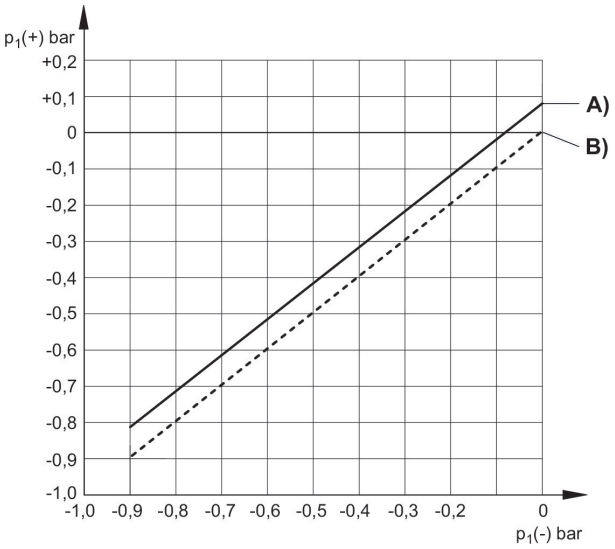
R412010711, R412010713, R412022752

PIN assignment for valve plug connectors



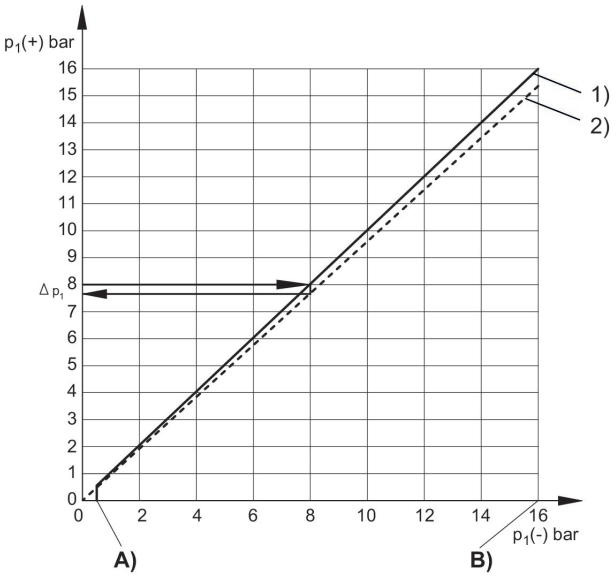
Pin	Allocation
1	+UB
2	break contact
3	NO (make contact)
4	GND

Differential switching pressure characteristic curve (-0,9 – 0 bar)



A) p1 (-), min.
B) p1 (-), max.
p1 (+) = upper switching pressure with increasing pressure
p1 (-) = lower switching pressure with decreasing pressure

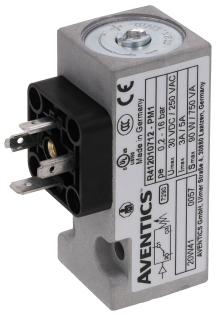
Differential switching pressure characteristic curve (0,2 - 16 bar)

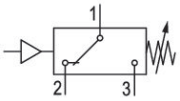


A) p1 (-), min.
B) p1 (-), max.
1) Rising
2) Falling
p1 (+) = upper switching pressure with increasing pressure
p1 (-) = lower switching pressure with decreasing pressure
Δ p1 = max. operating pressure difference or hysteresis Example: p1 (+) = 8 bar > p1(-) = 7.6 bar Δ p1 = 0.4 bar

Pressure Switches, Series PM1, G1/4, form A, without valve plug connector

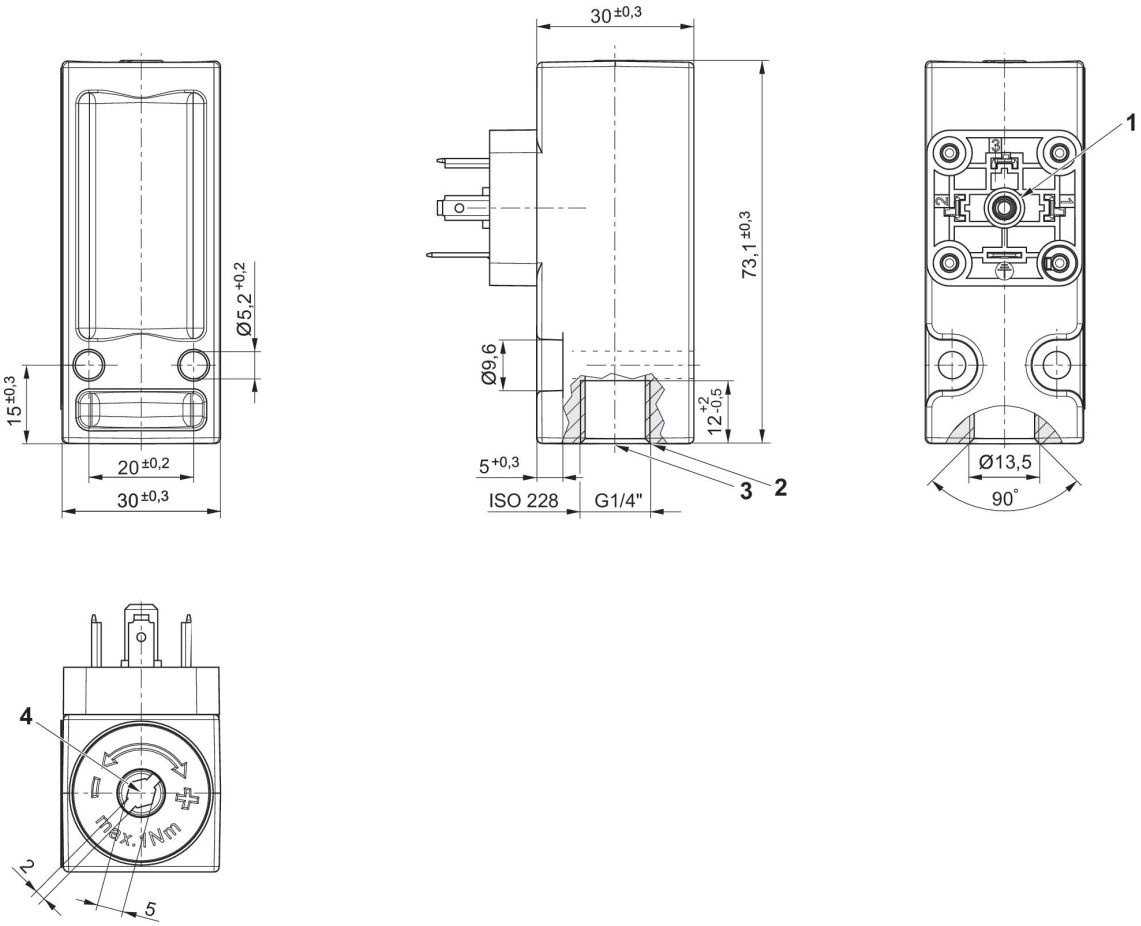
Electrical connection 2, thread size: EN 175301-803, form A
Compressed air connection type: Internal thread
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C





Thread connection	Operating pressure min [bar]	Operating pressure max [bar]	Protection against overpressure	Hysteresis	Mounting orientation	Part No.
G 1/4	0.2	16	80 bar	max. switching pressure difference	Any	R412010712

Dimensions in mm



1) Mounting screw
2) sealing surface
3) Tightening torque MA = 12 + 1 Nm
4) adjustment screw

Max. permissible continuous current I max. [A] with inductive load

U [V]	I [A] 1) 3)	I [A] 2) 4)
30-250	3	-
30 / 48 / 60 / 125	-	2 / 0,55 / 0,4 / 0,05

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC
3) cos ≈ 0,7°
4) L/R ≈ 10 ms

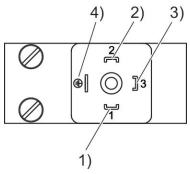
Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30-250	5	-
30 / 48 / 60 / 125	-	3 / 1,2 / 0,8 / 0,4

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC

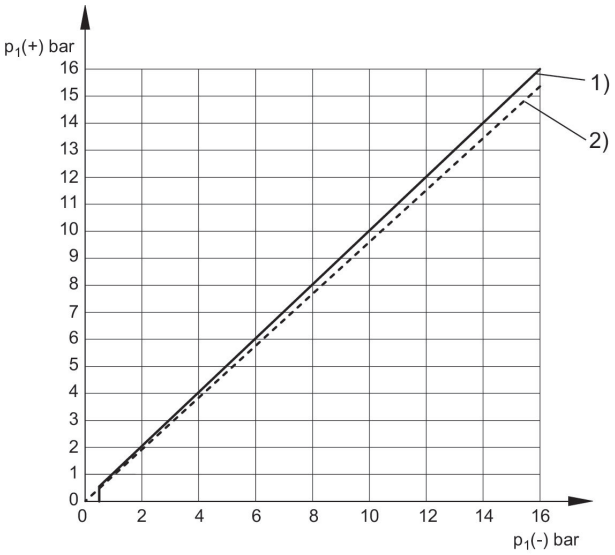
R412010712

PIN assignment for valve plug connectors



Pin	Allocation
1	+UB
2	break contact
3	NO (make contact)
4	GND

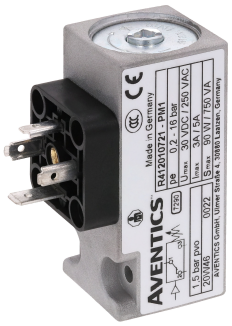
Differential switching pressure characteristic curve (0,2 - 16 bar)

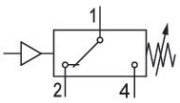


p1 (+) = upper switching pressure with increasing pressure
p1 (-) = lower switching pressure with decreasing pressure
1) Rising
2) Falling

Pressure Switches, Series PM1, M12, 0,2 - 16 bar

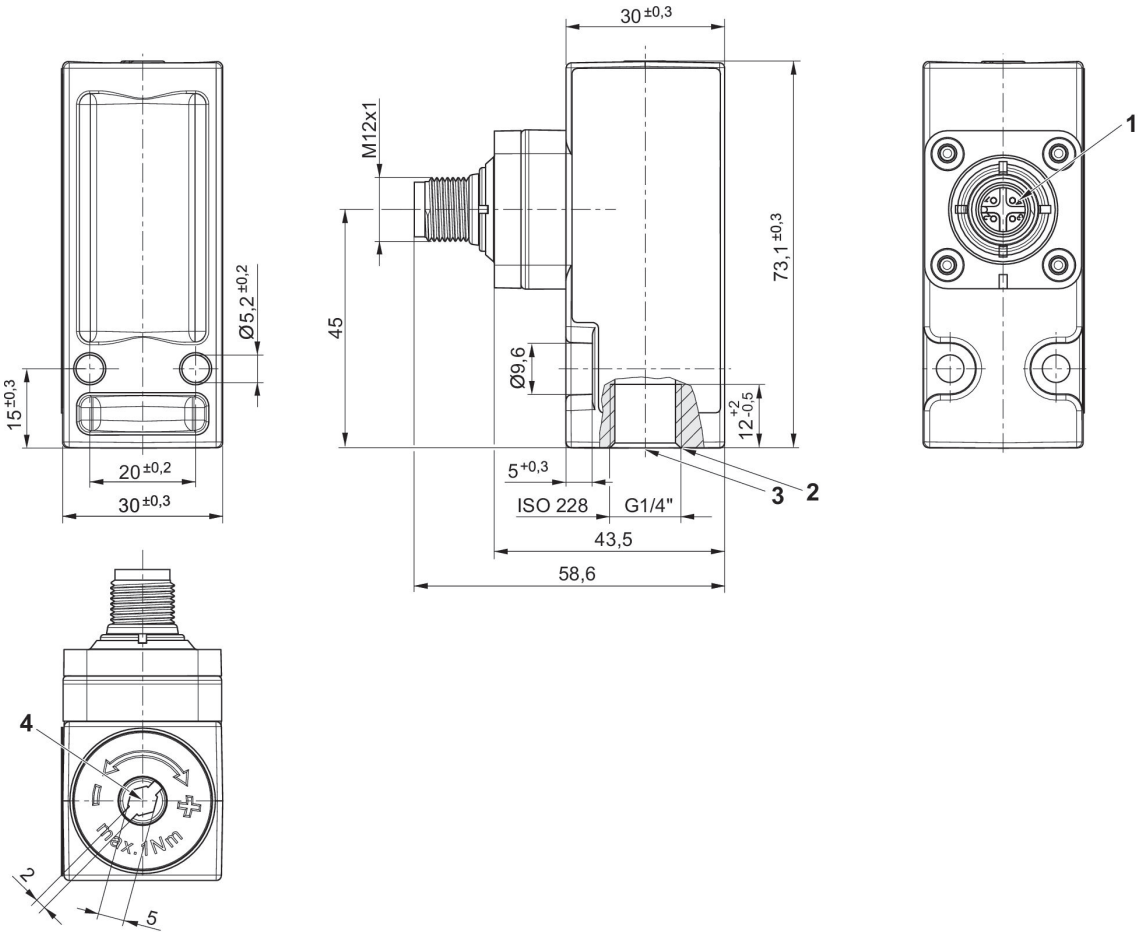
Electrical connection 2, thread size: M12x1
Compressed air connection type: Internal thread
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C





Thread connection	Operating pressure min [bar]	Operating pressure max [bar]	Protection against overpressure	Hysteresis	Mounting orientation	Part No.
G 1/4	0.2	16	80 bar	max. switching pressure difference	Any	R412010717

Dimensions in mm



1) M12 connection rotatable by 90° and 30° with detent
2) sealing surface
3) Tightening torque MA = 12 + 1 Nm
4) adjustment screw

Max. permissible continuous current I max. [A] with inductive load

U [V]	I [A] 1) 3)	I [A] 2) 4)
30	3	2

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC
3) cos ≈ 0,7°
4) L/R ≈ 10 ms

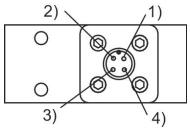
Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30	4	3

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC

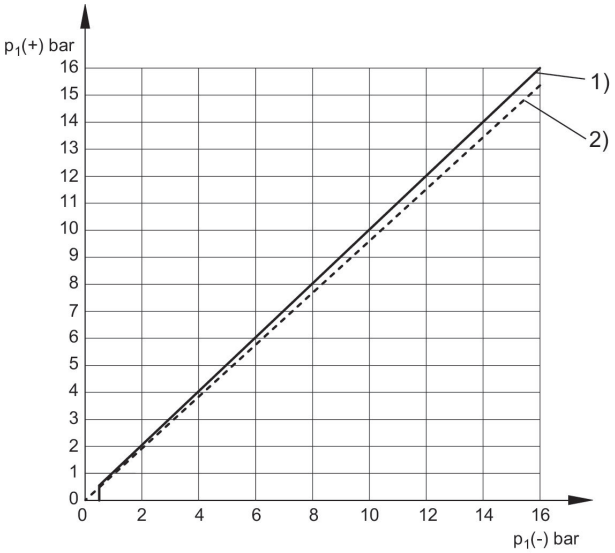
R412010717

Pin assignments



Pin	Allocation
1	+UB
2	break contact
3	No function
4	NO (make contact)

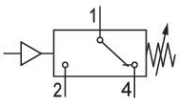
Differential switching pressure characteristic curve (0,2 - 16 bar)



p1 (+) = upper switching pressure with increasing pressure
p1 (-) = lower switching pressure with decreasing pressure
1) Rising
2) Falling

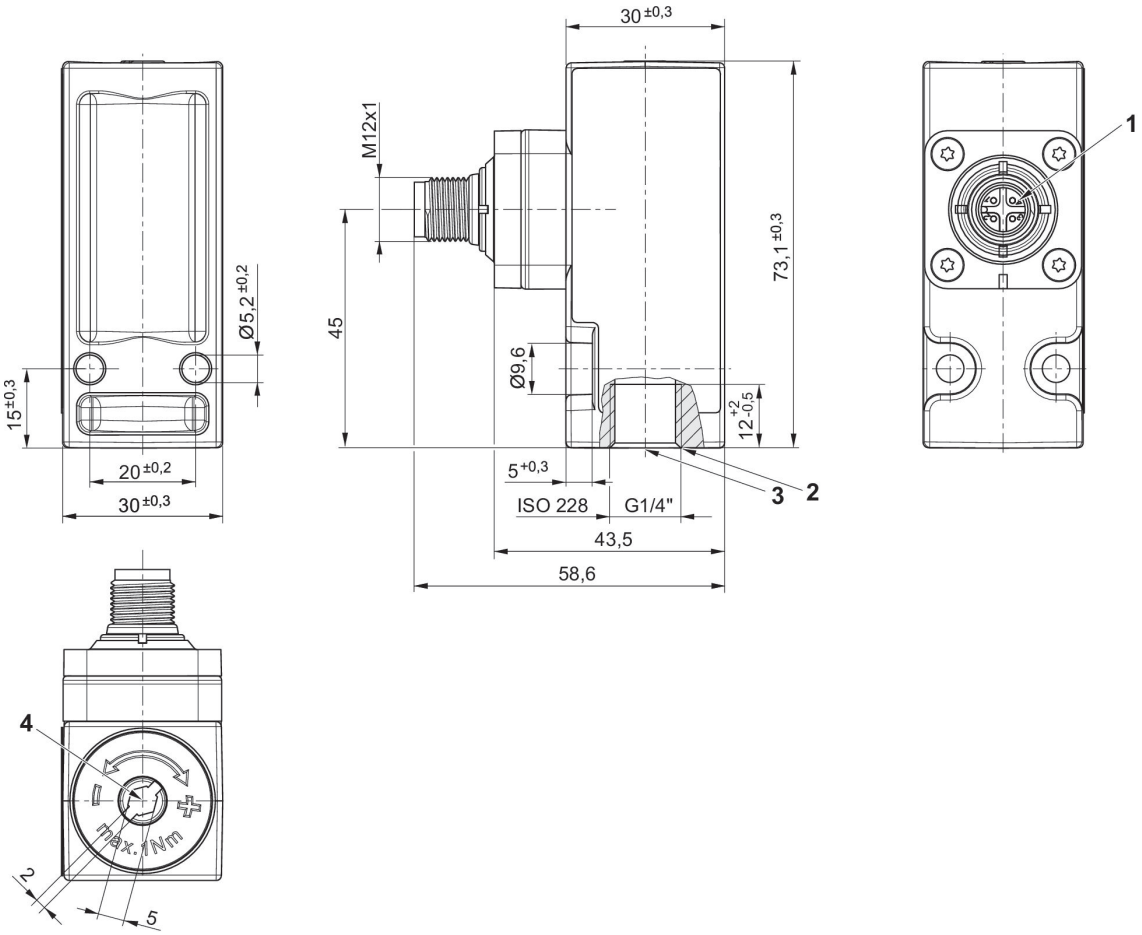
Pressure Switches, Series PM1, M12, -0,9 - 0 bar

Electrical connection 2, thread size: M12x1
Compressed air connection type: Internal thread
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C



Thread connection	Operating pressure min [bar]	Operating pressure max [bar]	Protection against overpressure	Hysteresis	Mounting orientation	Part No.
G 1/4	-0.9	0	80 bar	max. switching pressure difference	Any	R412010716

Dimensions in mm



1) M12 connection rotatable by 90° and 30° with detent
2) sealing surface
3) Mounting screw
4) Adjustment screw, self-holding

Max. permissible continuous current I max. [A] with inductive load

U [V]	I [A] 1) 3)	I [A] 2) 4)
30	3	2

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC
3) cos ≈ 0,7°
4) L/R ≈ 10 ms

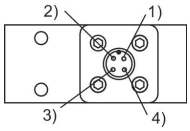
Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30	4	3

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC

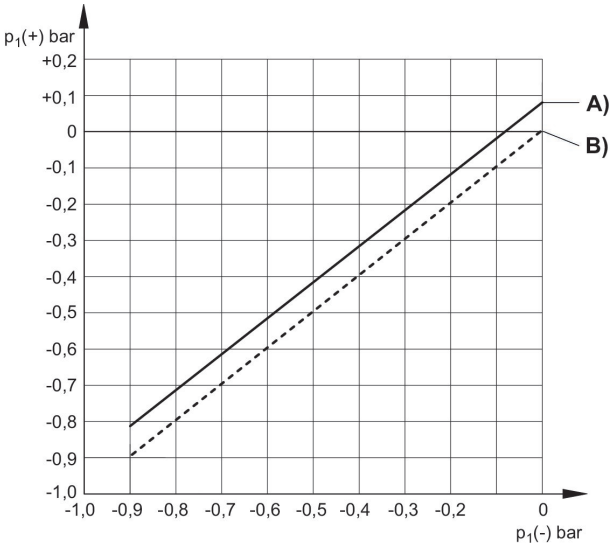
R412010716

Pin assignments



Pin	Allocation
1	+UB
2	break contact
3	No function
4	NO (make contact)

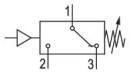
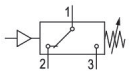
Differential switching pressure characteristic curve (-0,9 – 0 bar)



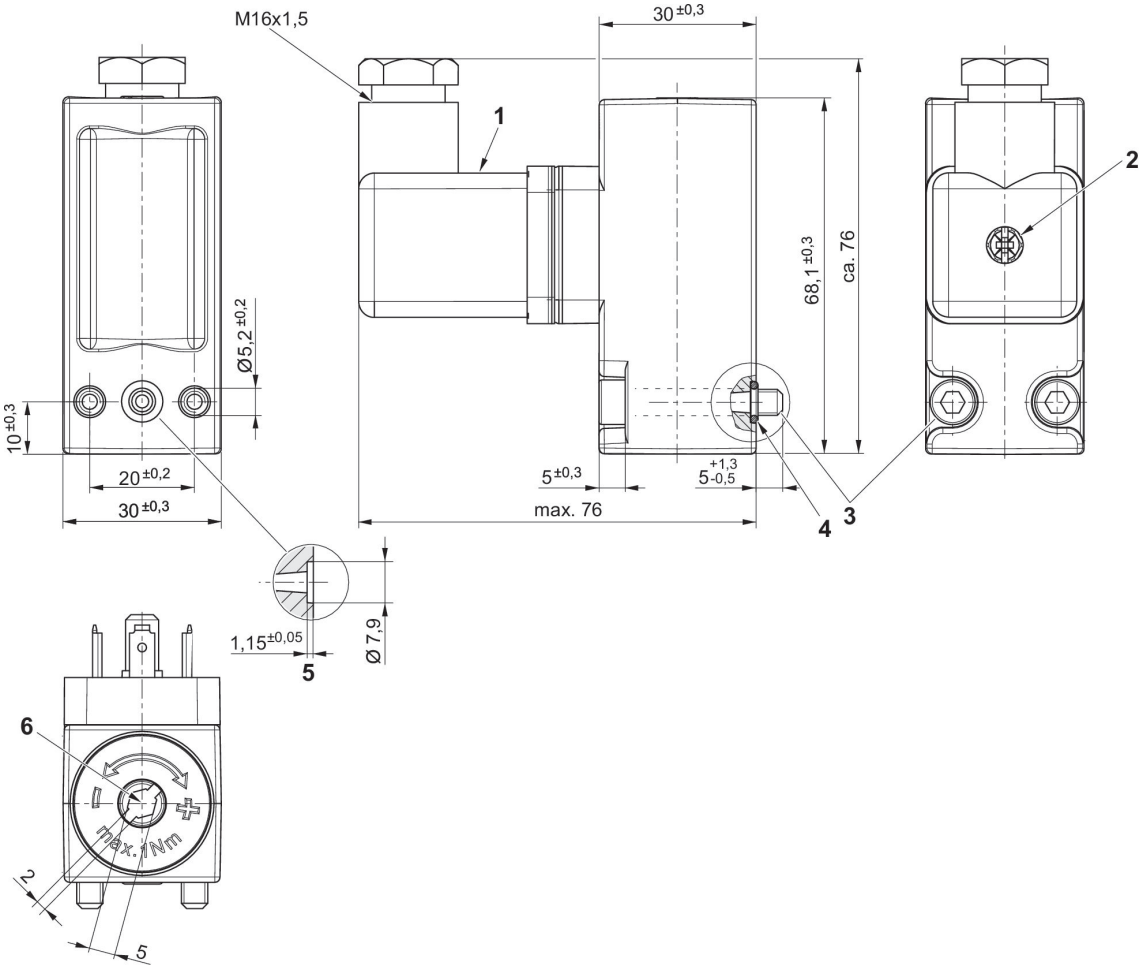
A) p1 (-), min.
B) p1 (-), max.
p1 (+) = upper switching pressure with increasing pressure
p1 (-) = lower switching pressure with decreasing pressure

Pressure Switches, Series PM1, flange, form A, With valve plug connector

Electrical connection 2, thread size: EN 175301-803, form A
Compressed air connection type: Flange with O-ring
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C

	Thread connection	Operating pressure min [bar]	Operating pressure max [bar]	Protection against overpressure	Hysteresis	Mounting orientation	Part No.
	Ø 5x1,5	-0.9	0	80 bar	max. switching pressure difference	Any	R412010714
	Ø 5x1,5	0.2	16	80 bar	max. switching pressure difference	Any	R412010718

Dimensions in mm



1) Valve plug connector
2) Mounting screw
3) cylinder screw M5x30 (included in scope of delivery)
4) O-ring Ø5x1,5 (included)
5) O-ring countersink
6) Adjustment screw, self-holding

Max. permissible continuous current I max. [A] with inductive load

U [V]	I [A] 1) 3)	I [A] 2) 4)
30-250	3	-
30 / 48 / 60 / 125	-	2 / 0,55 / 0,4 / 0,05

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC
3) cos ≈ 0,7°
4) L/R ≈ 10 ms

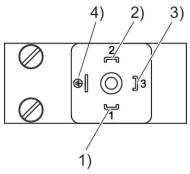
Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30-250	5	-
30 / 48 / 60 / 125	-	3 / 1,2 / 0,8 / 0,4

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC

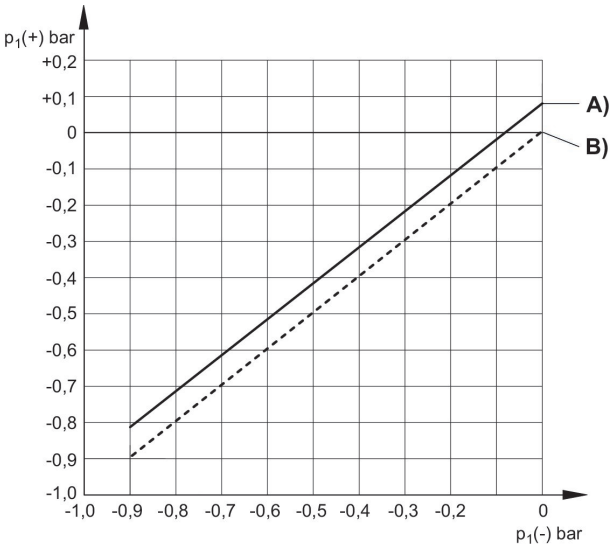
R412010714, R412010718

PIN assignment for valve plug connectors



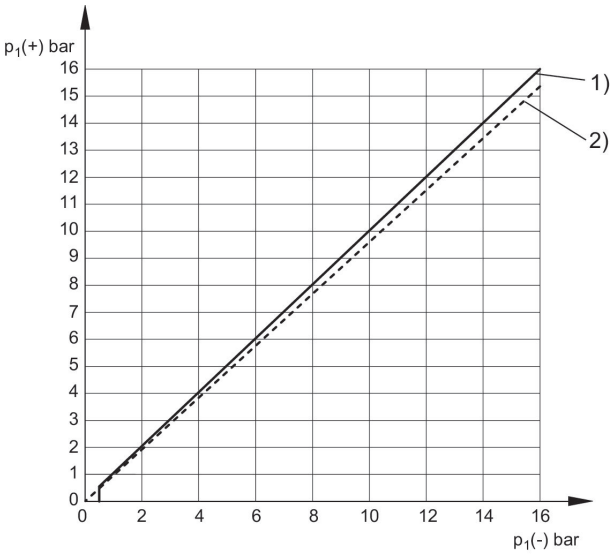
Pin	Allocation
1	+UB
2	break contact
3	NO (make contact)
4	GND

Differential switching pressure characteristic curve (-0,9 – 0 bar)



A) p1 (-), min.
B) p1 (-), max.
p1 (+) = upper switching pressure with increasing pressure
p1 (-) = lower switching pressure with decreasing pressure

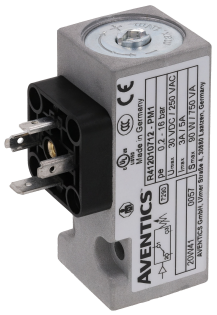
Differential switching pressure characteristic curve (0,2 - 16 bar)

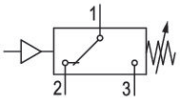


p1 (+) = upper switching pressure with increasing pressure
p1 (-) = lower switching pressure with decreasing pressure
1) Rising
2) Falling

Pressure Switches, Series PM1, flange, form A, without valve plug connector

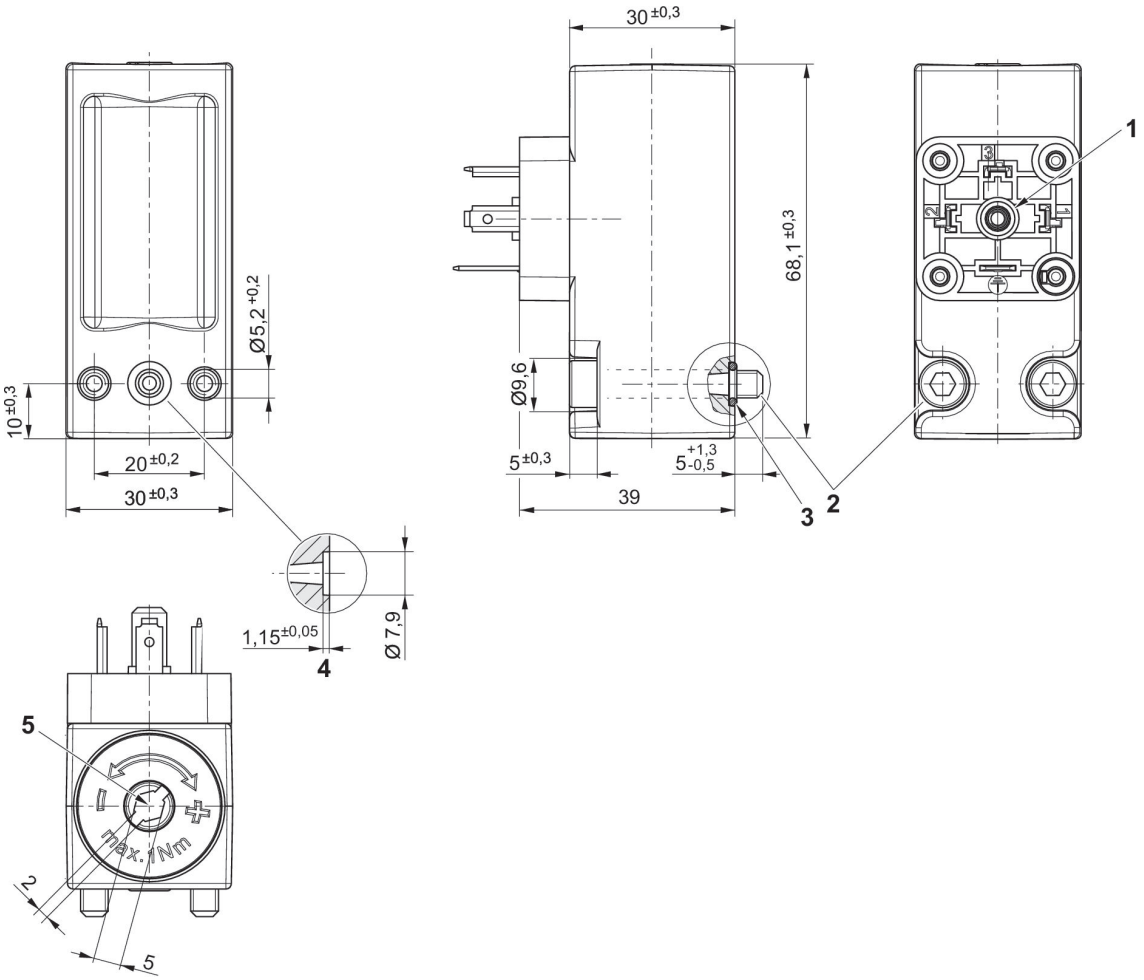
Electrical connection 2, thread size: EN 175301-803, form A
Compressed air connection type: Flange with O-ring
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C





Thread connection	Operating pressure min [bar]	Operating pressure max [bar]	Protection against overpressure	Hysteresis	Mounting orientation	Part No.
Ø 5x1,5	0.2	16	80 bar	max. switching pressure difference	Any	R412010715

Dimensions in mm



1) Mounting screw
2) cylinder screw M5x30 (included in scope of delivery)
3) O-ring Ø5x1,5 (included)
4) O-ring countersink
5) Adjustment screw, self-holding

Max. permissible continuous current I max. [A] with ohmic load

U [V]	30-250	30 / 48 / 60 / 125
I [A] 1)	5	-
I [A] 2)	-	3 / 1,2 / 0,8 / 0,4

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC

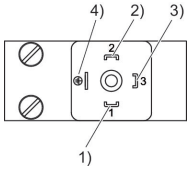
Max. permissible continuous current I max. [A] with inductive load

U [V]	30-250	30 / 48 / 60 / 125
I [A] 1) 3)	3	-
I [A] 2) 4)	-	2 / 0,55 / 0,4 / 0,15

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC
3) cos ≈ 0,7°
4) L/R ≈ 10 ms

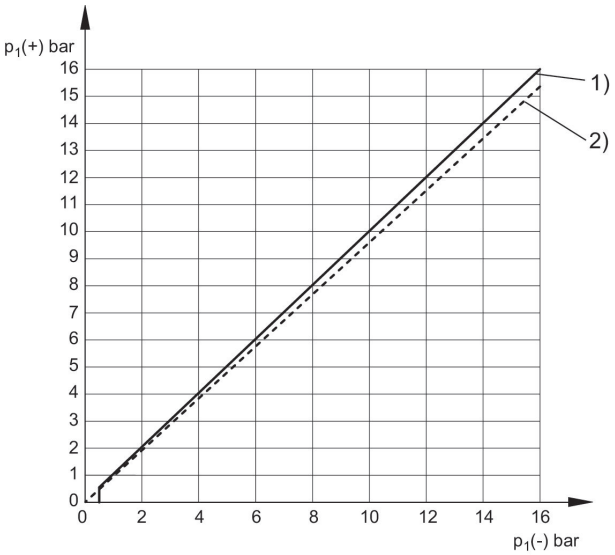
R412010715

PIN assignment for valve plug connectors



Pin	Allocation
1	+UB
2	break contact
3	NO (make contact)
4	GND

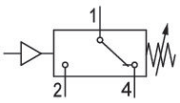
Differential switching pressure characteristic curve (0,2 - 16 bar)



p1 (+) = upper switching pressure with increasing pressure
p1 (-) = lower switching pressure with decreasing pressure
1) Rising
2) Falling

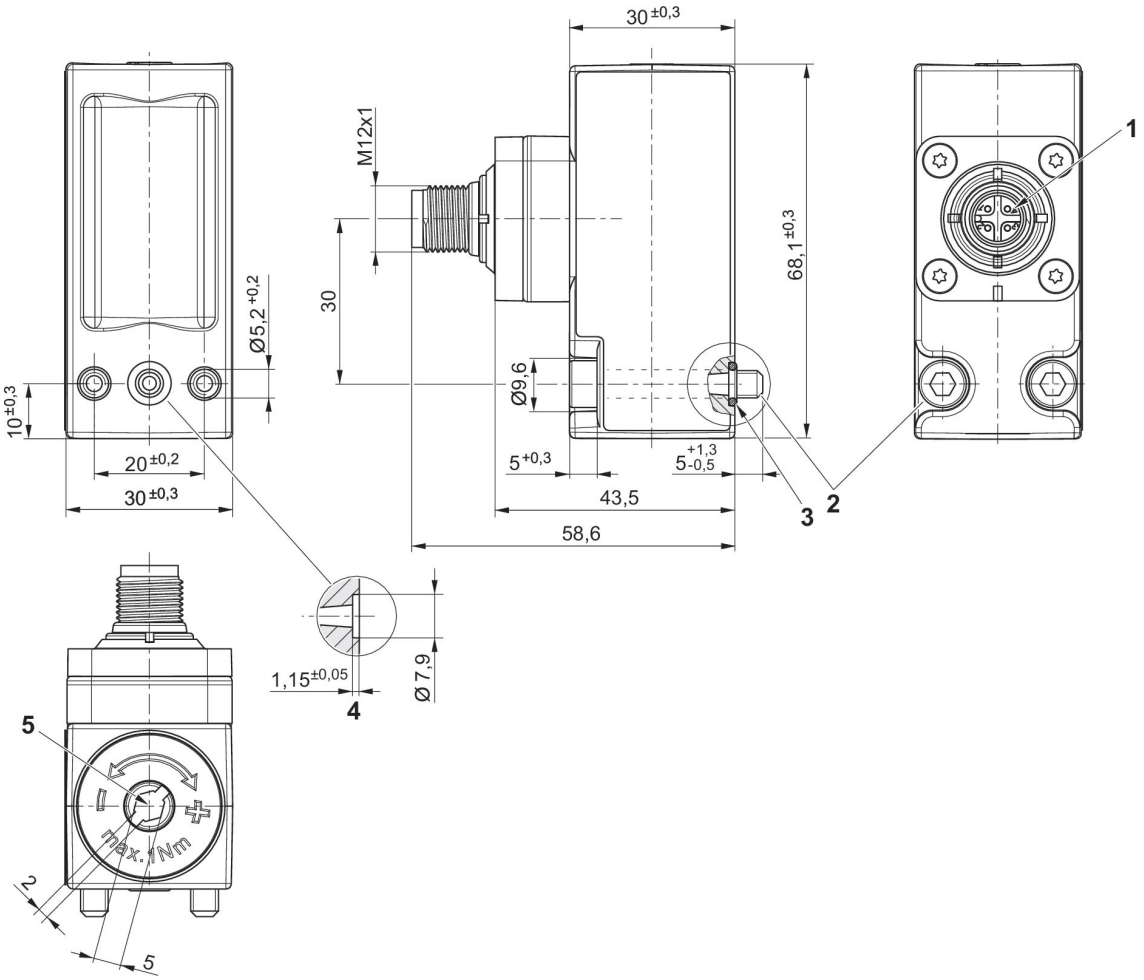
Pressure Switches, Series PM1, flange, M12, -0,9 - 0 bar

Electrical connection 2, thread size: M12x1
Compressed air connection type: Flange with O-ring
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C



Thread connection	Operating pressure min [bar]	Operating pressure max [bar]	Protection against overpressure	Hysteresis	Mounting orientation	Part No.
Ø 5x1,5	-0.9	0	80 bar	max. switching pressure difference	Any	R412010719

Dimensions in mm



1) M12 connection rotatable by 90° and 30° with detent
2) cylinder screw M5x30 (included in scope of delivery)
3) O-ring Ø5x1,5 (included)
4) O-ring countersink
5) Adjustment screw, self-holding

Max. permissible continuous current I max. [A] with inductive load

U [V]	I [A] 1) 3)	I [A] 2) 4)
30	3	2

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC
3) cos ≈ 0,7°
4) L/R ≈ 10 ms

Max. permissible continuous current I max. [A] with ohmic load

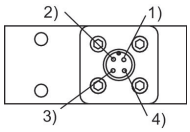
U [V]	I [A] 1)	I [A] 2)
30	4	3

reference cycle: 30/min., reference temperature: +30 °C
1) AC

2) DC

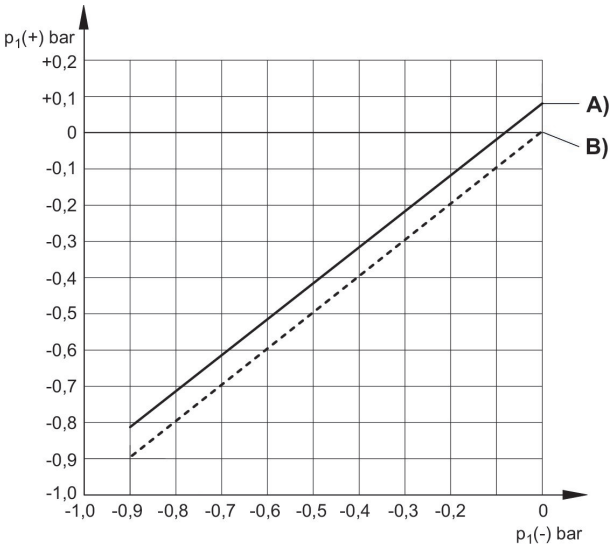
R412010719

Pin assignments



Pin	Allocation
1	+UB
2	break contact
3	No function
4	NO (make contact)

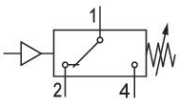
Differential switching pressure characteristic curve (-0,9 – 0 bar)



A) p1 (-), min.
B) p1 (-), max.
p1 (+) = upper switching pressure with increasing pressure
p1 (-) = lower switching pressure with decreasing pressure

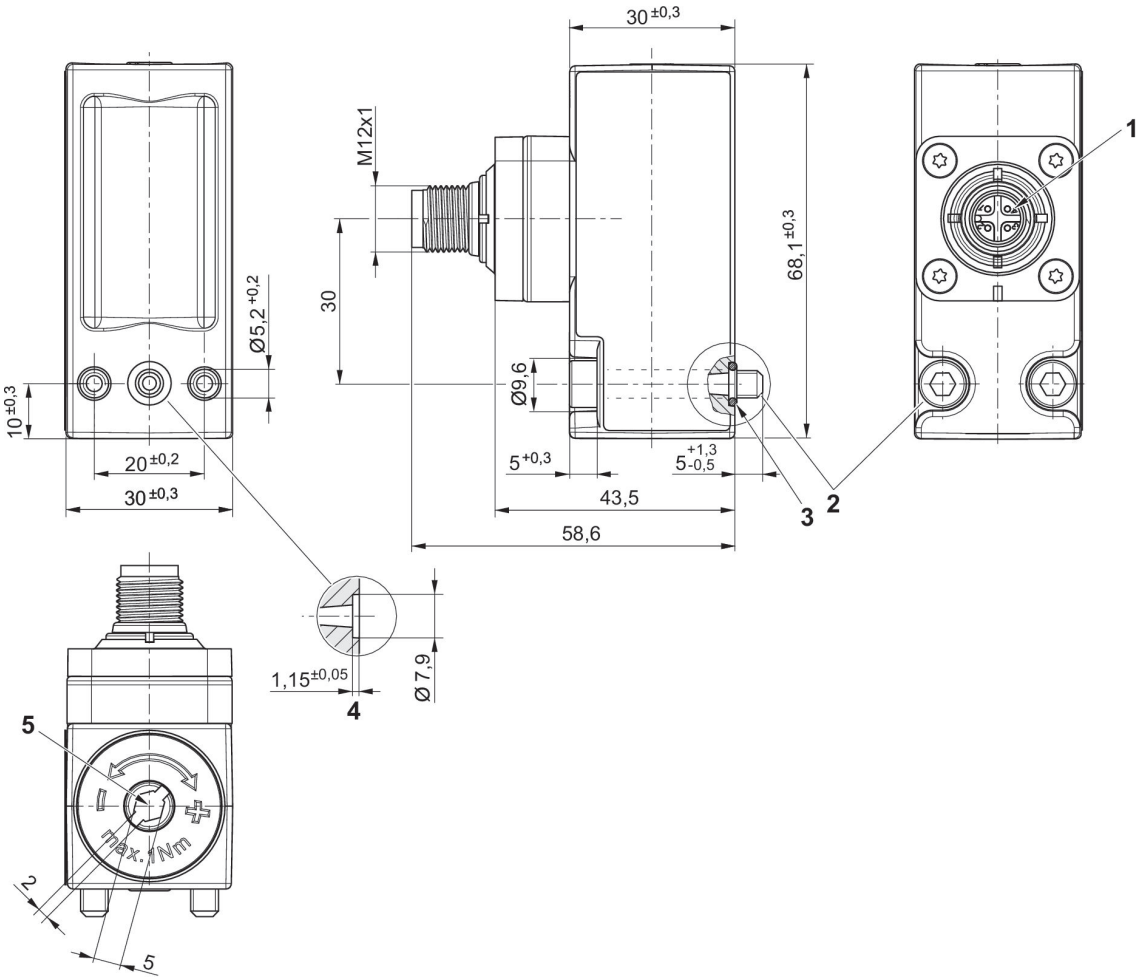
Pressure Switches, Series PM1, flange, M12, 0,2 - 16 bar

Electrical connection 2, thread size: M12x1
Compressed air connection type: Flange with O-ring
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C



Thread connection	Operating pressure min [bar]	Operating pressure max [bar]	Protection against overpressure	Hysteresis	Mounting orientation	Part No.
Ø 5x1,5	0.2	16	80 bar	max. switching pressure difference	Any	R412010720

Dimensions in mm



1) M12 connection rotatable by 90° and 30° with detent
2) cylinder screw M5x30 (included in scope of delivery)
3) O-ring Ø5x1,5 (included)
4) O-ring countersink
5) adjustment screw

Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30-250	5	-
30 / 48 / 60 / 125	-	3 / 1,2 / 0,8 / 0,4

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC

Max. permissible continuous current I max. [A] with inductive load

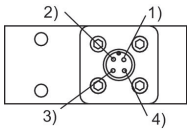
U [V]	I [A] 1) 3)	I [A] 2) 4)
30	3	2

reference cycle: 30/min., reference temperature: +30 °C

1) AC
2) DC
3) cos ≈ 0,7°
4) L/R ≈ 10 ms

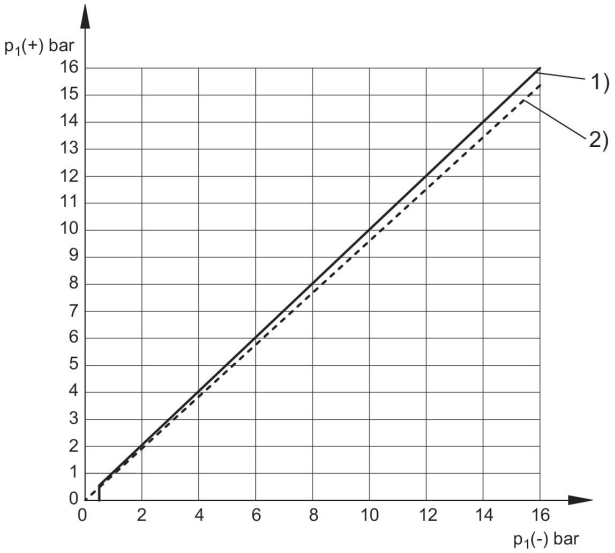
R412010720

Pin assignments



Pin	Allocation
1	+UB
2	break contact
3	No function
4	NO (make contact)

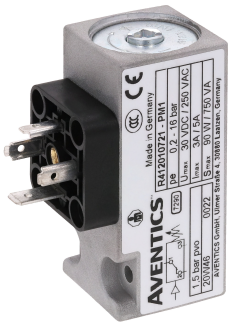
Differential switching pressure characteristic curve (0,2 - 16 bar)

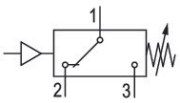


p1 (+) = upper switching pressure with increasing pressure
p1 (-) = lower switching pressure with decreasing pressure
1) Rising
2) Falling

Pressure Switches, Series PM1, CNOMO, form A, without valve plug connector

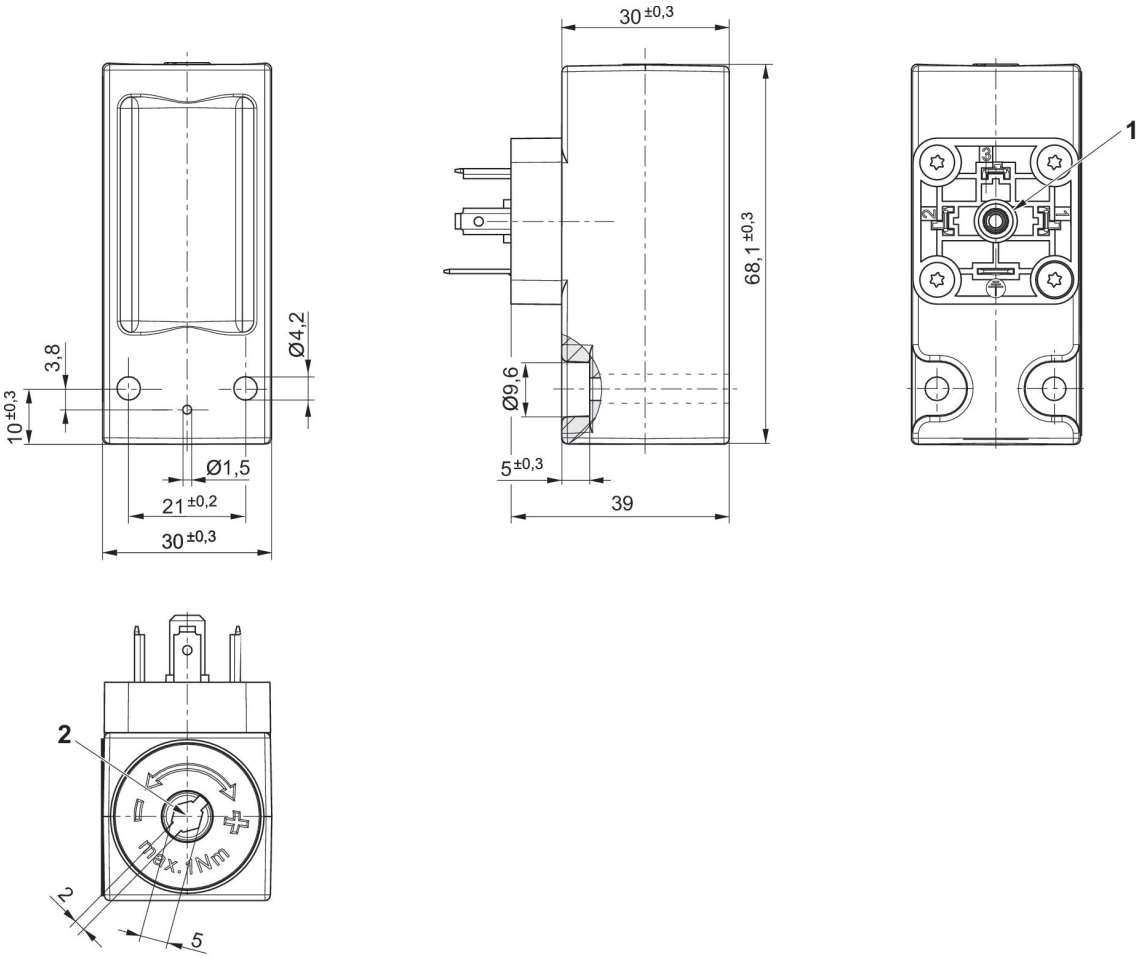
Electrical connection 2, thread size: EN 175301-803, form A
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C





Thread connection	Operating pressure min [bar]	Operating pressure max [bar]	Protection against overpressure	Hysteresis	Mounting orientation	Part No.
CNOMO	0.2	16	80 bar	max. switching pressure difference	Any	R412010721

Dimensions in mm



1) Mounting screw
2) Adjustment screw, self-holding

Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30-250	5	-
30 / 48 / 60 / 125	-	3 / 1,2 / 0,8 / 0,4

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC

Max. permissible continuous current I max. [A] with inductive load

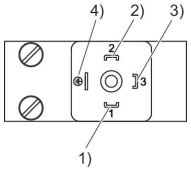
U [V]	30-250	30 / 48 / 60 / 125
I [A] 1) 3)	3	-
I [A] 2) 4)	-	2 / 0,55 / 0,4 / 0,15

reference cycle: 30/min., reference temperature: +30 °C
1) AC

2) DC
3) cos ≈ 0,7°
4) L/R ≈ 10 ms

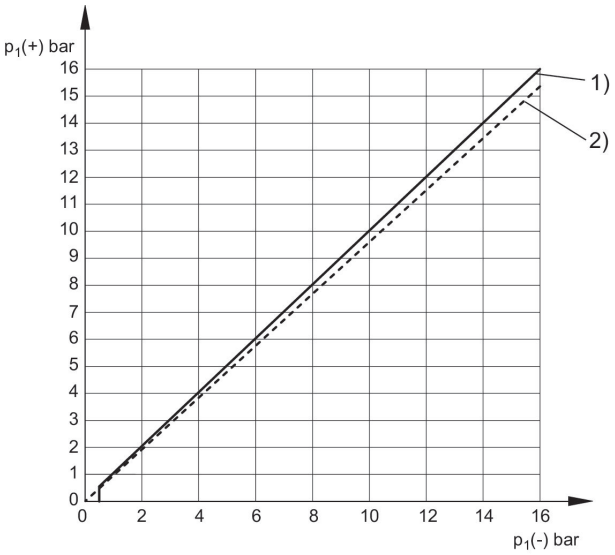
R412010721

PIN assignment for valve plug connectors



Pin	Allocation
1	+UB
2	break contact
3	NO (make contact)
4	GND

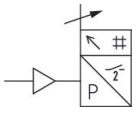
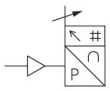
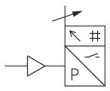
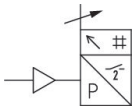
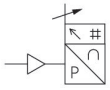
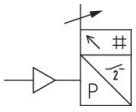
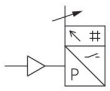
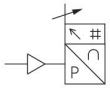
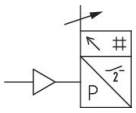
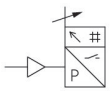
Differential switching pressure characteristic curve (0,2 - 16 bar)

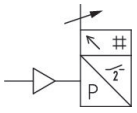
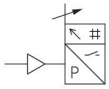


p1 (+) = upper switching pressure with increasing pressure
p1 (-) = lower switching pressure with decreasing pressure
1) Rising
2) Falling

Pressure sensor, Series PE5, push-in fitting

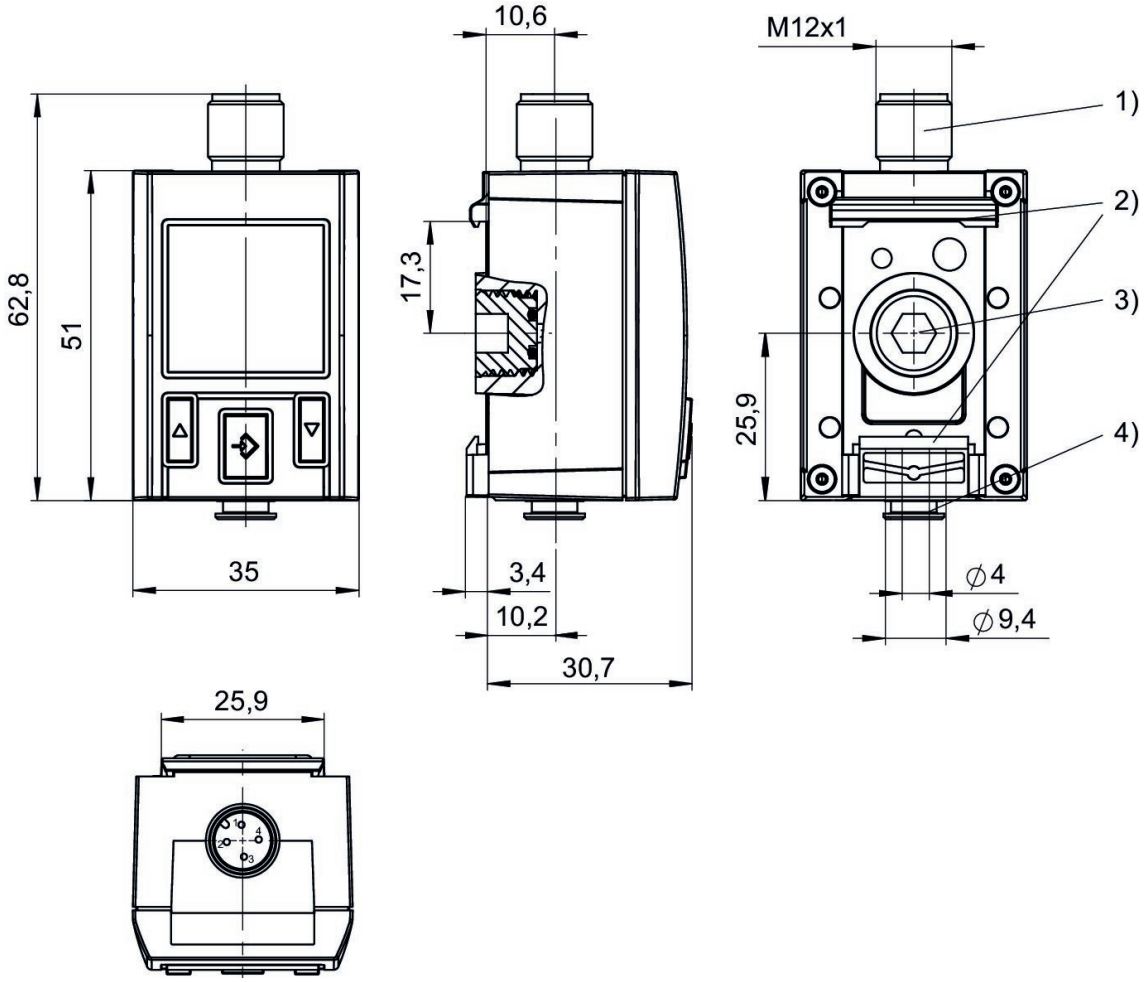
Electrical connection 2, thread size: M12x1
Certificates: CE declaration of conformity cULus RoHS Conforms with REACH Free of substances that impair surface wetting in the coating process
Electrical connection 2, number of poles: 4-pin
Min. ambient temperature: 0 °C
Max. ambient temperature: 60 °C

	Thread connection	Operating pressure min [bar]	Operating pressure max [bar]	Min. operating voltage DC [V DC]	Max. operating voltage DC [V DC]	Protection against overpressure	Output signal digital	Part No.
	G 1/4	-1	0	17	30	5 bar	2 x PNP, NPN, Push-pull	R412010761
	G 1/4	-1	0	17	30	5 bar	PNP, NPN, Push-pull, 0 - 10 V DC, 4 ... 20 mA	R412010769
	G 1/4	-1	0	17	30	5 bar	PNP, NPN, push-pull, 1x IO-Link	R412010775
	G 1/4	-1	1	17	30	5 bar	2 x PNP, NPN, Push-pull	R412010763
	G 1/4	0	6	17	30	15 bar	PNP, NPN, Push-pull, 0 - 10 V DC, 4 ... 20 mA	R412010771
	G 1/4	0	6	17	30	15 bar	2 x PNP, NPN, Push-pull	R412010765
	G 1/4	0	6	17	30	15 bar	PNP, NPN, push-pull, 1x IO-Link	R412010777
	G 1/4	0	10	17	30	15 bar	PNP, NPN, Push-pull, 0 - 10 V DC, 4 ... 20 mA	R412010773
	G 1/4	0	10	17	30	15 bar	2 x PNP, NPN, Push-pull	R412010767
	G 1/4	0	10	17	30	15 bar	PNP, NPN, push-pull, 1x IO-Link	R412010779

	Thread connection	Operating pressure min [bar]	Operating pressure max [bar]	Min. operating voltage DC [V DC]	Max. operating voltage DC [V DC]	Protection against overpressure	Output signal digital	Part No.
	G 1/4	0	12	17	30	16 bar	2 x PNP, NPN, Push-pull	R412010782
	G 1/4	0	12	17	30	16 bar	PNP, NPN, push-pull, 1x IO-Link	R412010806

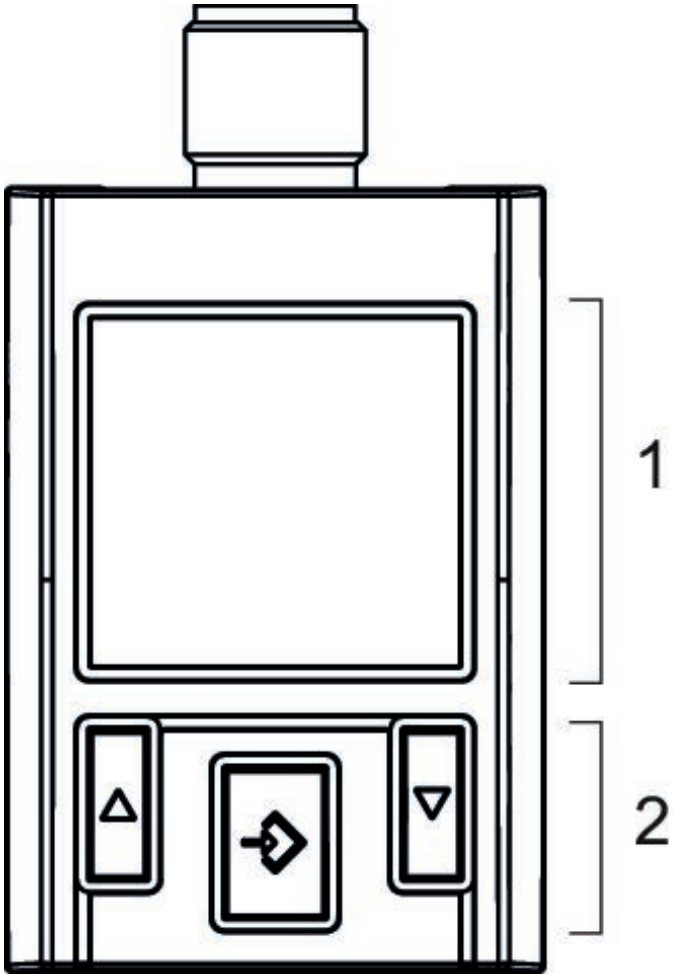
Hysteresis	Part No.
adjustable	R412010761
adjustable	R412010769
adjustable	R412010775
adjustable	R412010763
adjustable	R412010771
adjustable	R412010765
adjustable	R412010777
adjustable	R412010773
adjustable	R412010767
adjustable	R412010779
adjustable	R412010782
adjustable	R412010806

Dimensions



1) M12x1 electrical connection
2) Mounting for hat rail and wall mounting
3) Alternative pressure connection (G1/4) closed with plug
4) Pressure connection, tubing Ø 4 mm

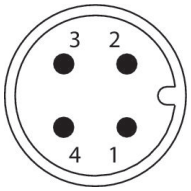
Display and operation area



1) LCD display
2) Control panel with 3 buttons

R412010761, R412010769, R412010775, R412010763, R412010771, R412010765, R412010777, R412010773, R412010767, R412010779, R412010782, R412010806

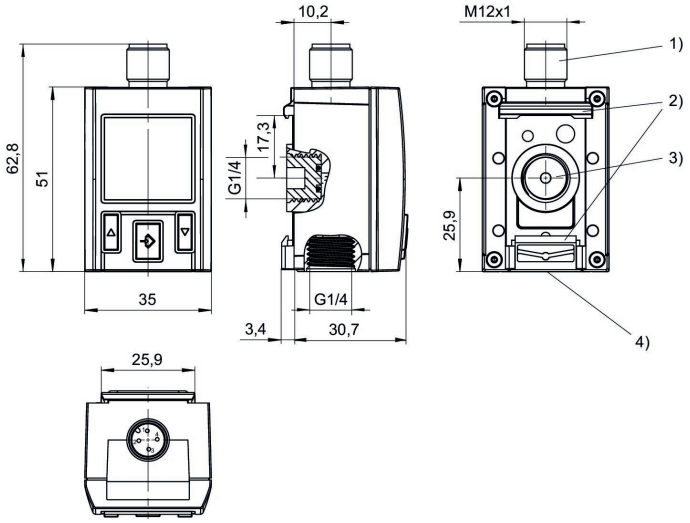
Pin assignments



Pin	Allocation
1	operational voltage + UB
2	switch output Out2, analog: A or V, digital: PNP, NPN, push-pull
3	0 V
4	switch output Out1, digital: PNP, NPN, push-pull

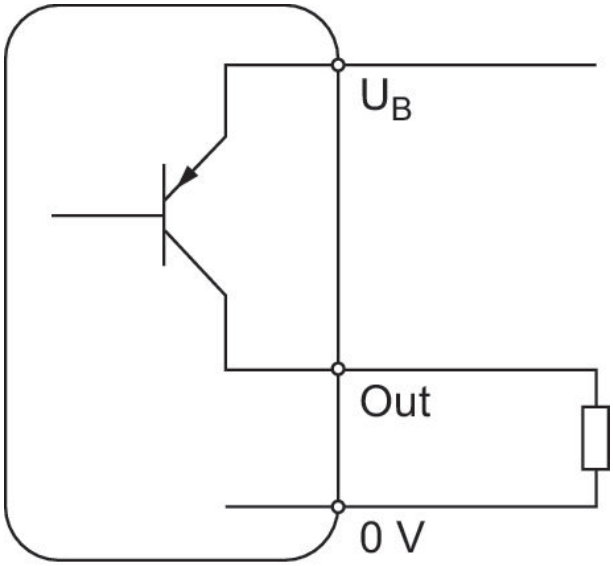
R412010761, R412010769, R412010775, R412010763, R412010771, R412010765, R412010777, R412010773, R412010767, R412010779, R412010782, R412010806

Dimensions

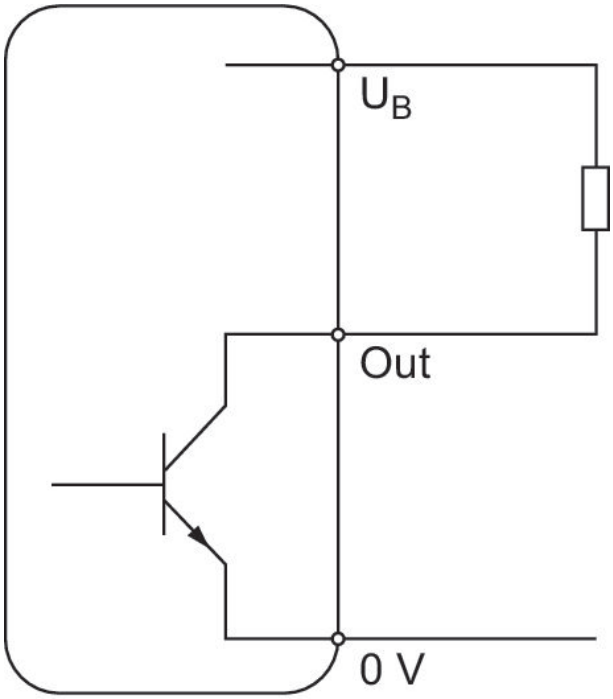


1) M12x1 electrical connection
2) Mounting for hat rail and wall mounting
3) Alternative pressure connection (G1/4) closed with plug
4) Pressure connection G1/4

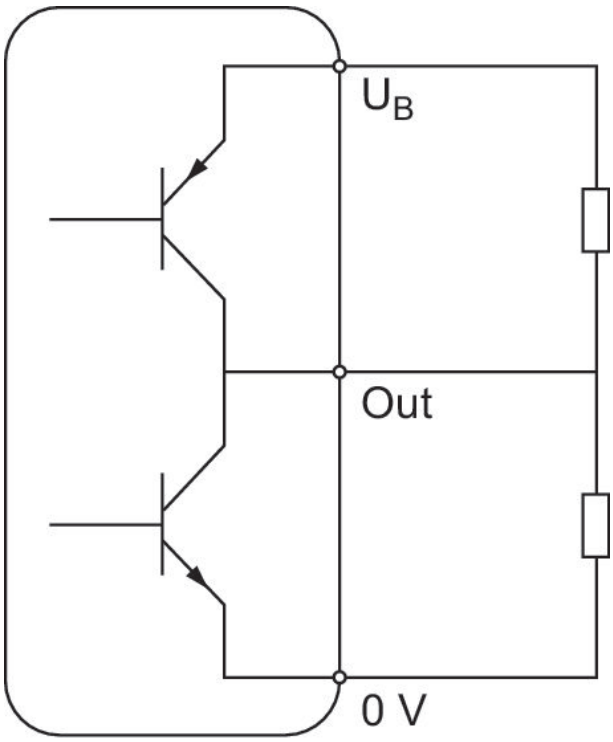
Operating mode



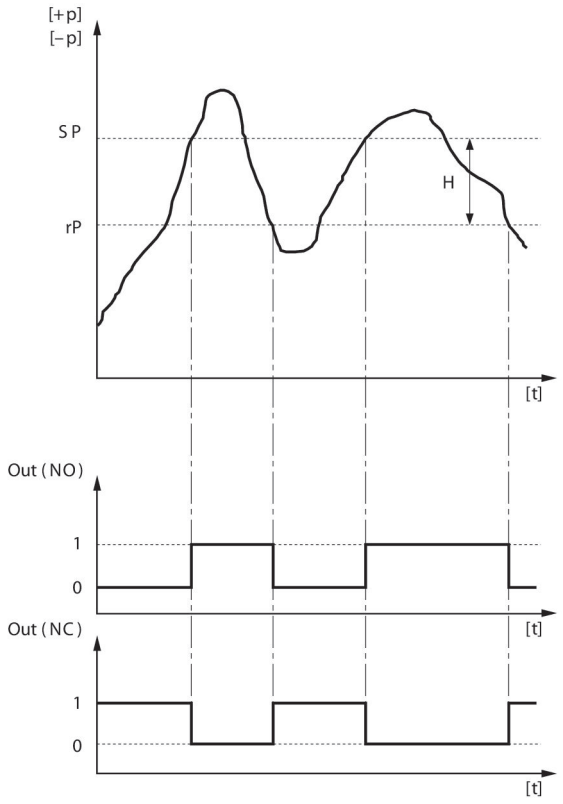
Operating mode



Operating mode

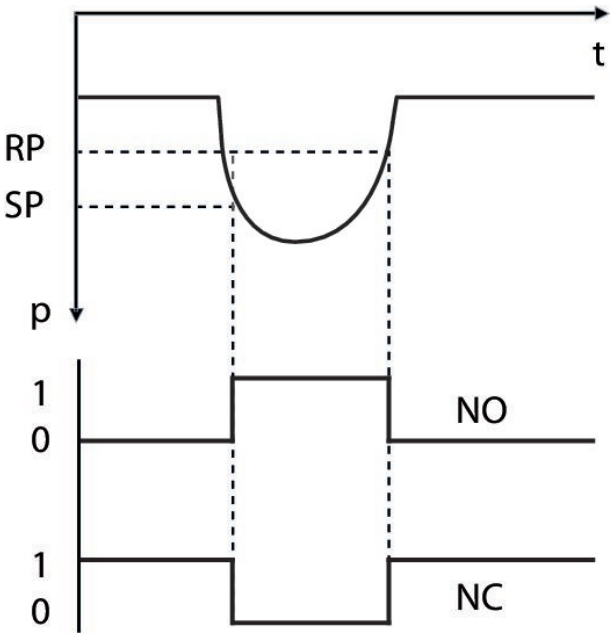


Hysteresis function: switching and resetting behavior dependent on pressure p and time t

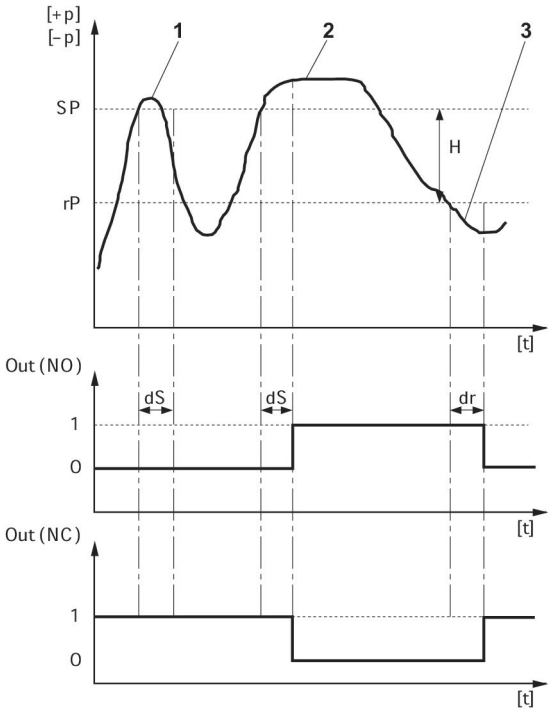


H: Hysteresis
SP = switching point RP = resetting point
Out (NC): switch output, break contact Out (NO): switch output, make contact

Hysteresis function: switching and resetting behavior dependent on pressure p and time t

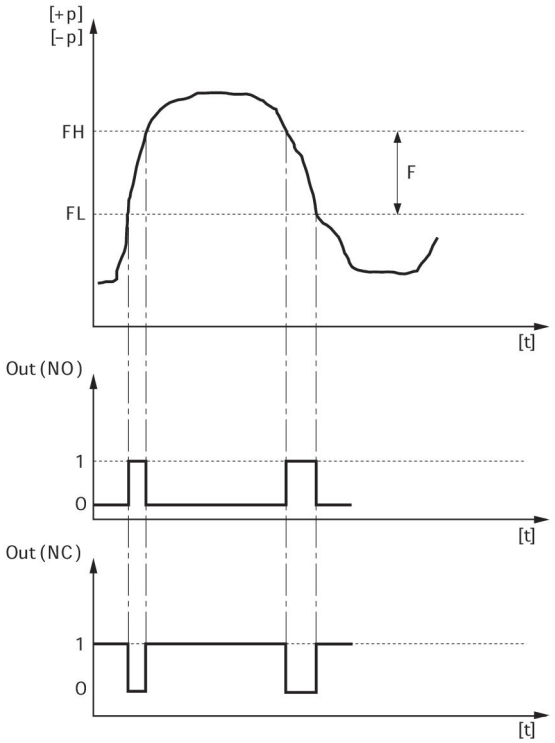


Delayed hysteresis function: switching and resetting behavior depending on pressure p and time t



H: Hysteresis
SP = switching point RP = resetting point
Out (NC): switch output, break contact Out (NO): switch output, make contact
dS: switching delay dR = reset delay
1) period of pressure over the switching point < dS: pressure sensor does not switch 2) Period of pressure over the switching point > dS: pressure sensor switches 3) Period of pressure under the resetting point > dR: pressure sensor switches

Window function: switching and resetting behavior depending on pressure p and time t

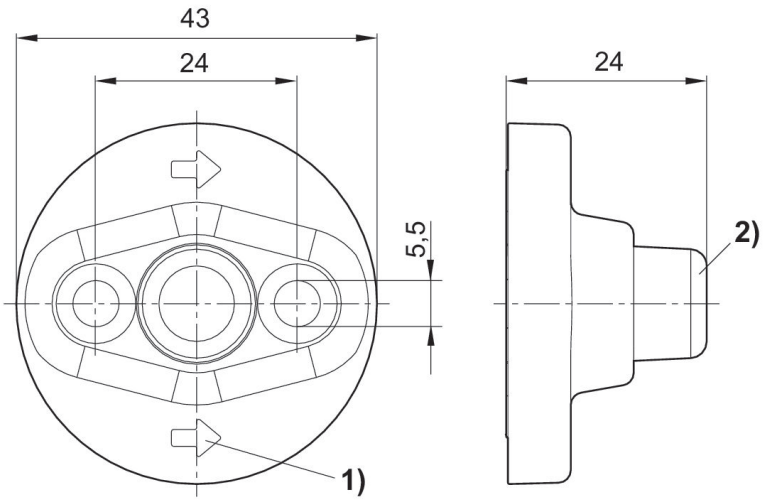


FH: pressure band, upper value
FL: pressure band, lower value
Out (NC): switch output, break contact Out (NO): switch output, make contact

contamination display

Material	Weight [kg]	Part No.
Polyamide	0.025	R412006363

Dimensions in mm



1) Flow direction
2) Display in initial state: green (= Δp < [[0.35] bar]) Display turns red on contamination of the filter element (= Δp ≥ [[0.35] bar]).

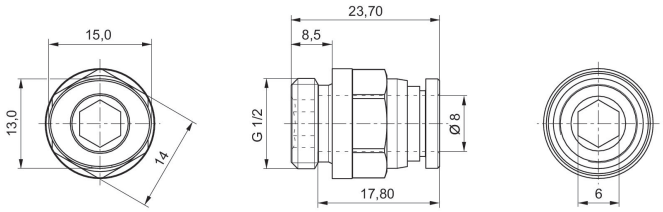
QR1-S-RPN standard series

Compressed air connection type: External thread
Compressed air connection type 2: Push-in fitting
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C
Min. working pressure: -1 bar
Max. working pressure: 16 bar

G	Ø D	Delivery unit [piece]	Material	Part No.
G 1/2	Ø 8	10	Brass	R412005001
G 1/2	Ø 10	10	Brass	2121010120
G 1/2	Ø 12	10	Brass	2121012120

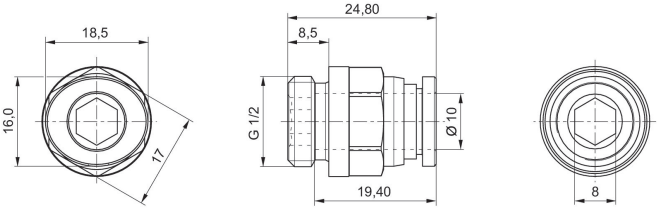
R412005001

Dimensions in mm



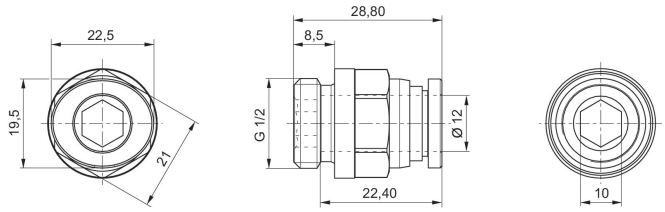
2121010120

Dimensions in mm



2121012120

Dimensions in mm



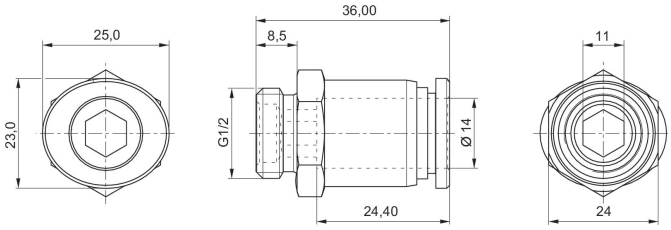
QR1-S-RPN standard series

Compressed air connection type: External thread
Compressed air connection type 2: Push-in fitting
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C
Min. working pressure: -1 bar
Max. working pressure: 16 bar

G	Ø D	Delivery unit [piece]	Material	Part No.
G 1/2	Ø 14	10	Brass	2121014120
G 1/2	Ø16	10	Brass	R412005006

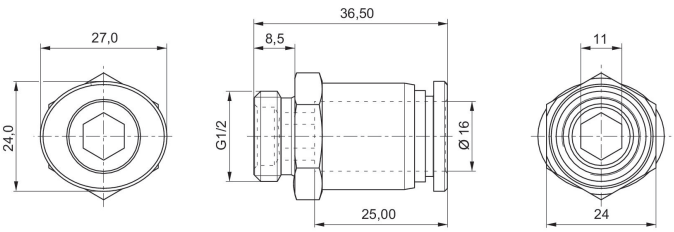
2121014120

Dimensions in mm



R412005006

Dimensions in mm



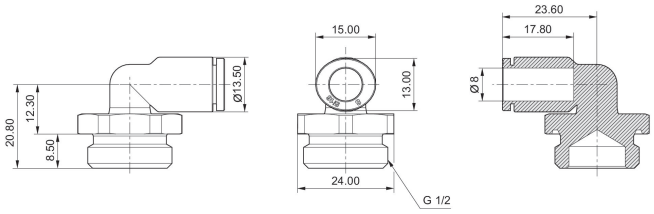
QR1-S-RVT standard series

Compressed air connection type: External thread
Compressed air connection type 2: Push-in fitting
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C
Min. working pressure: -1 bar
Max. working pressure: 16 bar

G	Ø D	Delivery unit [piece]	Material	Part No.
G 1/2	Ø 8	10	Polyamide	R412005093
G 1/2	Ø 10	10	Polyamide	2122010120
G 1/2	Ø 12	10	Polyamide	2122012120
G 1/2	Ø 14	5	Polyamide	2122014120
G 1/2	Ø16	5	Polyamide	R412005098

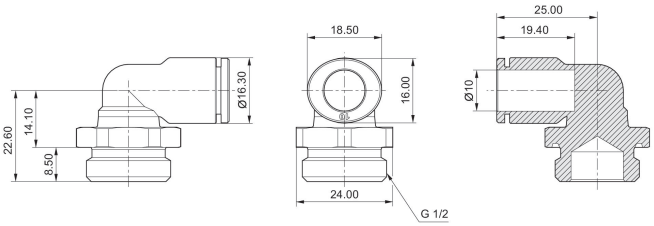
R412005093

Dimensions in mm



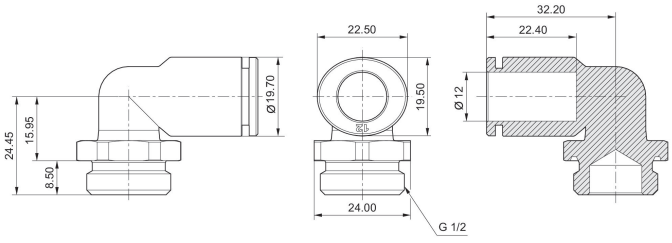
2122010120

Dimensions in mm



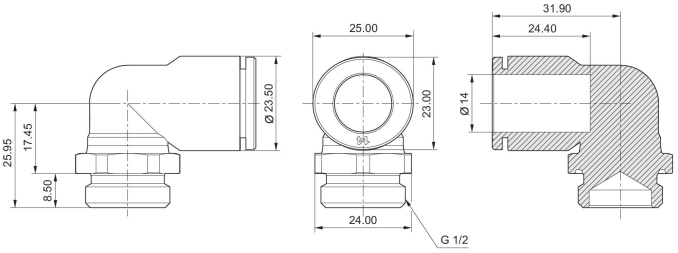
2122012120

Dimensions in mm



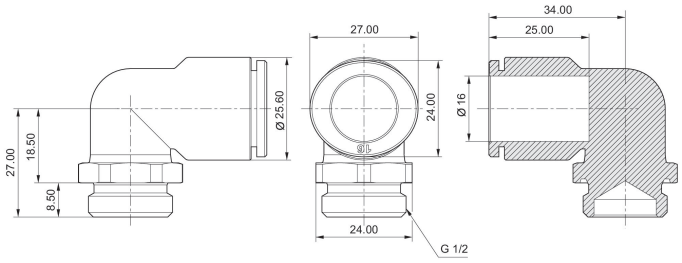
2122014120

Dimensions in mm



R412005098

Dimensions in mm



Series QR2-S-RPN standard

Compressed air connection type: External thread
Compressed air connection type 2: Push-in fitting
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C
Min. working pressure: -0.95 bar
Max. working pressure: 16 bar

G	Ø D	Delivery unit [piece]	Material	Fig.	Part No.
G 1/2	Ø 12	5	Brass	Fig. 1	1823373054
G 1/2	Ø 14	5	Brass	Fig. 1	1823373055
G 1/2	Ø16	1	Brass	Fig. 1	R412007955

Fig. 1

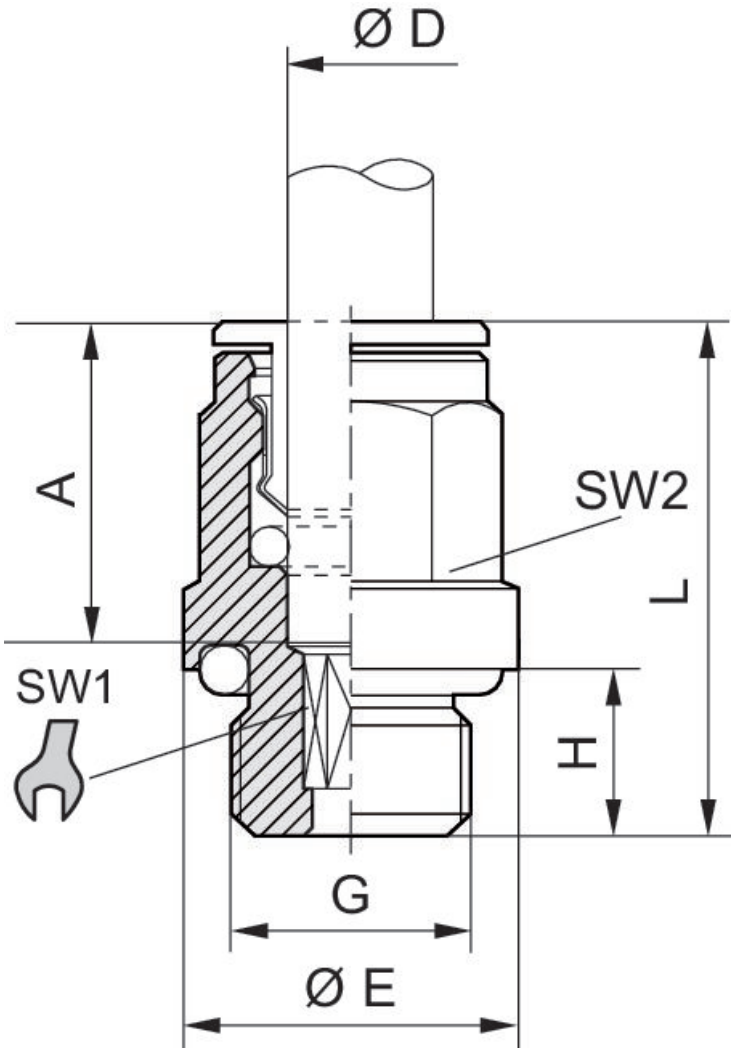
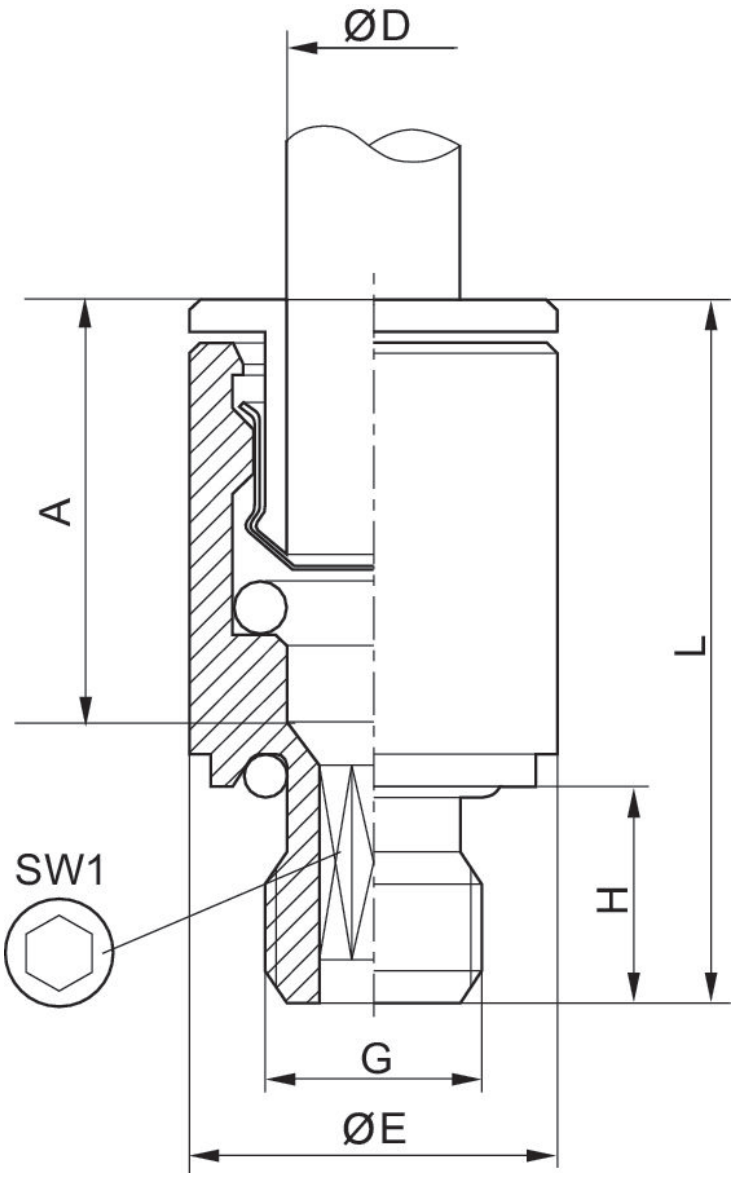


Fig. 2



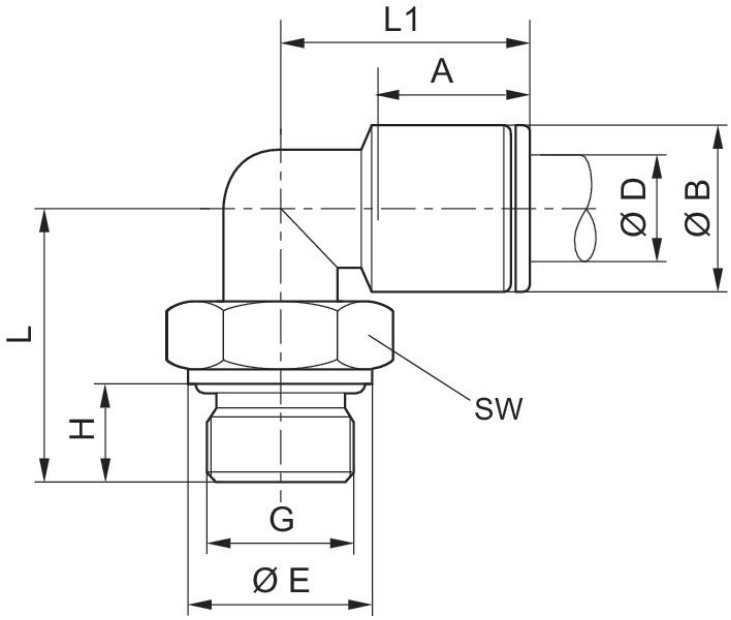
Part No.	Port D	Port G	Ø E	H	L	A Insertion depth	SW 1	SW 2	Fig.
1823373038	Ø 4	M5	9	4	20.5	15	2.5	–	
1823373039	Ø 5	M5	9.5	4	22	16	2.5	–	
1823373040	Ø 6	M5	10.5	4	22	16	2.5	–	
1823373100	Ø 4	M7	10.8	6	22	15	2.5	9	
1823373088	Ø 6	M7	10.5	6	24	16	3.5	–	
1823373041	Ø 4	G 1/8	13.5	6	20	15	2.5	9	
1823373042	Ø 5	G 1/8	13.5	6	22	16	4	10	
1823373043	Ø 6	G 1/8	13.5	6	24	16	4	11	
1823373044	Ø 8	G 1/8	13	6	26.5	18	5	13	
1823373045	Ø 4	G 1/4	17	8	21	15	2.5	9	
1823373046	Ø 5	G 1/4	17	8	22	16	4	10	
1823373047	Ø 6	G 1/4	17	6.5	22.5	16	4	11	
1823373048	Ø 8	G 1/4	17	8	25	18	6	13	
1823373049	Ø 10	G 1/4	16	8	29.5	19	7	16	
1823391809	Ø 12	G 1/4	16	6.5	30	20	7	18	
R412004708	Ø 12	G 1/4	17	8.3	31		7	–	
1823373050	Ø 8	G 3/8	20	9	25	18	6	13	
1823373051	Ø 10	G 3/8	21	9	29.5	19	8	16	
1823373052	Ø 12	G 3/8	21	9	31	20	10	18	
1823373053	Ø 14	G 3/8	21	9	34	22	10	21	
1823373054	Ø 12	G 1/2	24	11	31	20	10	18	
1823373055	Ø 14	G 1/2	24	11	34	22	12	21	
R412007955	Ø16	G 1/2	24	11	37		12	24	

Series QR2-S-RVT standard

Compressed air connection type: External thread
Compressed air connection type 2: Push-in fitting
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C
Min. working pressure: -0.95 bar
Max. working pressure: 16 bar

G	Ø D	Delivery unit [piece]	Material	Part No.
G 1/2	Ø 10	5	Brass	R412007589
G 1/2	Ø 12	5	Brass	1823391840
G 1/2	Ø 14	5	Brass	1823391841
G 1/2	Ø16	1	Brass	R412007956

Dimensions



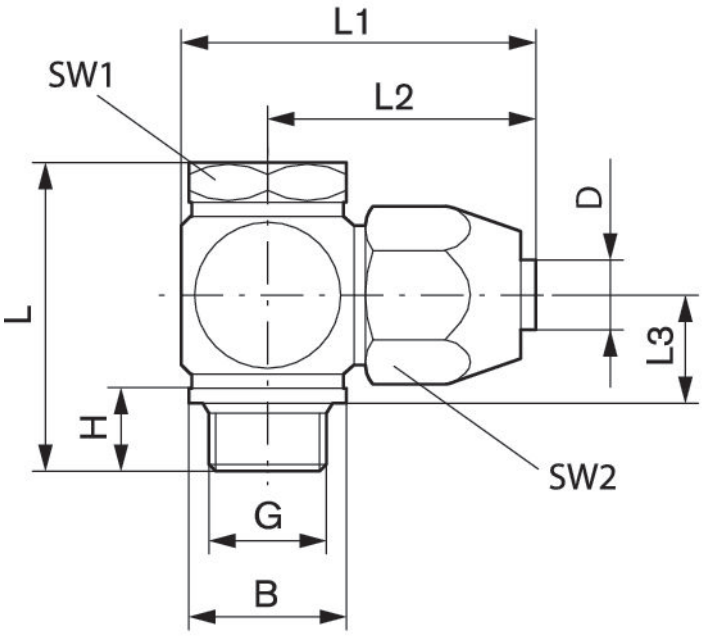
Part No.	Port D	Port G	ØB	ØE	H	L	L1	A Insertion depth	SW
1823391709	Ø 4	M5	9	8	4	14.5	19	14	9
1823391889	Ø 6	M5	11	8	4	14.5	21	16	9
1823391885	Ø 4	M7	9	10	6	16.5	18	14	9
1823391886	Ø 6	M7	11	10	6	16.5	19.5	16	9
1823391710	Ø 4	G 1/8	9	13	6	20	19	15	13
1823391711	Ø 6	G 1/8	11	13	6	20	21	16	13
1823391712	Ø 8	G 1/8	13	13	6	20	24	18	13
R412007687	Ø 10	G 1/8	15	13	6	24	27	19	13
1823391713	Ø 4	G 1/4	9	16	8	24	19	15	13
1823391714	Ø 6	G 1/4	11	16	8	24	21	16	13
1823391715	Ø 8	G 1/4	13	16	8	24	24	18	13
1823391718	Ø 10	G 1/4	15	16	8	24	27	19	16
1823391843	Ø 12	G 1/4	17	16	8	30.5	29	20	16
1823391716	Ø 8	G 3/8	13	20	9	25.5	24	18	13
1823391717	Ø 10	G 3/8	15	20	9	28	27	19	16
1823391838	Ø 12	G 3/8	17	20	9	28.5	28	20	20
1823391839	Ø 14	G 3/8	20	20	9	28.5	31	22	20
R412010182	Ø16	G 3/8	23	20	9	33.5	33	23.5	20
R412007589	Ø 10	G 1/2	15	25	11	30	27	19	16
1823391840	Ø 12	G 1/2	17	25	11	33.5	28	20	20
1823391841	Ø 14	G 1/2	20	25	11	33.5	31	22	20
R412007956	Ø16	G 1/2	23	25	11	38	33	23.5	20

Series NU2

Compressed air connection type: External thread
Compressed air connection type 2: plug-in with tube nut
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: -0.95 bar
Max. working pressure: 10 bar

G	Ø D	Delivery unit [piece]	Material	Part No.
G 3/4	Ø 18	10	Aluminum	1823391807
G 1	Ø 18	10	Aluminum	1823391808

Dimensions



for fabric-reinforced plastic tubing

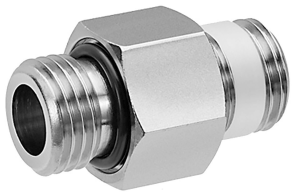
Part No.	Port D	Port G	B	H	L	L1	L2	L3	SW1
1823391293	Ø 4	G 1/8	14	10	32.5	34	26.5	13.7	14
1823391294	Ø 6	G 1/4	18	12.5	39	39.5	30	14.5	17
1823391295	Ø 8	G 1/4	18	12.5	42	42	32.5	16	17
1823391296	Ø 8	G 3/8	21	12.5	43	47	35	15.5	22
R412010658	Ø 9	G 1/4	18.9	7.9	40	42	32.5	15.6	17
R412007838	Ø 13	G 1/2	22.9	14	49.5	55	40	18.5	27
R412007839	Ø 13	G 3/8	22.9	12.5	47	49	37	18.5	22
1823391807	Ø 18	G 3/4	33	18.5	66	69	51	25	32
1823391808	Ø 18	G 1	40	20.5	70	77	55	25	41

Part No.	SW2
1823391293	17
1823391294	19
1823391295	22
1823391296	22
R412010658	24
R412007838	30
R412007839	30
1823391807	41
1823391808	41

Connection D = inside diameter of the tubing to be used

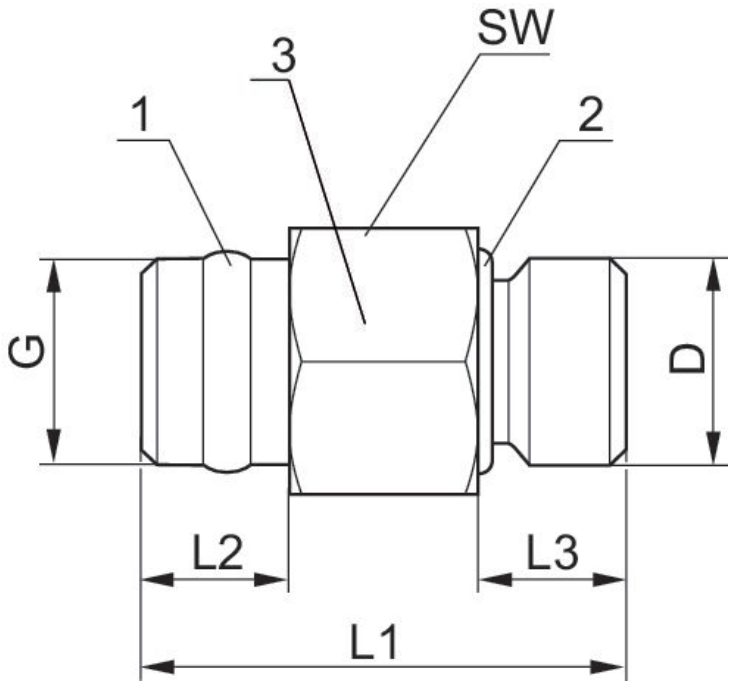
Double nipple, Series PE5

Compressed air connection type: External thread
Compressed air connection type 2: External thread



G	Ø D	Delivery unit [piece]	Weight [kg]	Part No.
G 1/4	G 1/8	2	0.04	R412010015
G 1/4	G 1/4	2	0.04	R412010016

Dimensions



1) sealing ring Polytetrafluorethylen
2) O-ring - acrylonitrile butadiene rubber
3) Housing - brass, nickel-plated

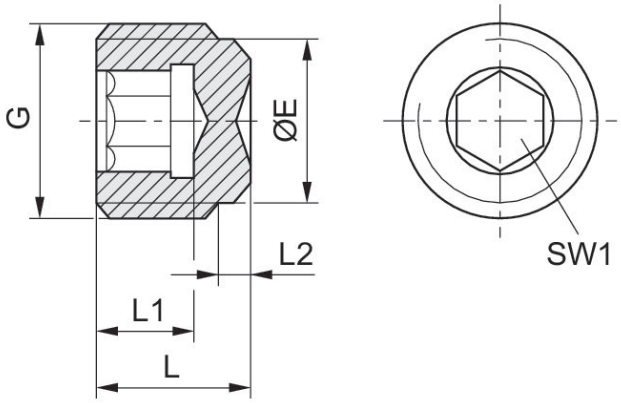
Part No.	Port G	Port D	L1	L2	L3	SW
R412010015	G 1/4	G 1/8	30	10	8.5	17
R412010016	G 1/4	G 1/4	30	10	8.5	17

Blanking screw, Brass

Compressed air connection type: External thread
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C
Min. working pressure: 0 bar
Max. working pressure: 16 bar

G	Delivery unit [piece]	Part No.
G 1/8	10	1823462004
G 1/4	10	1823462003

Dimensions



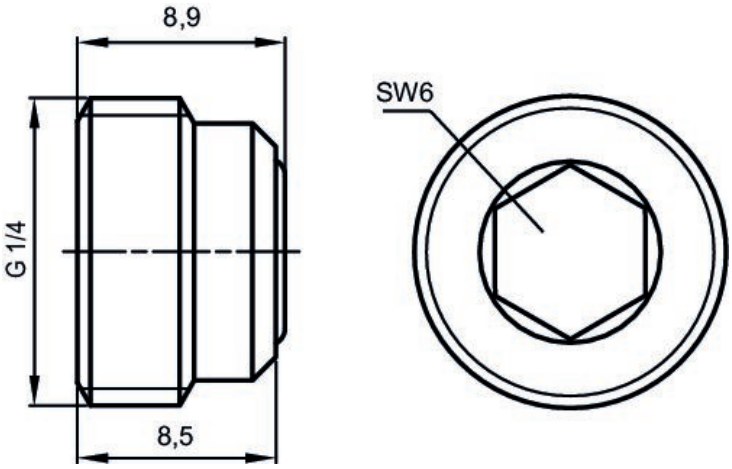
Dimensions in mm

Part No.	Port G	ØE	L	L1	L2	SW1
1823462004	G 1/8	8	8	5	2	5
1823462003	G 1/4	11	11	7	3.5	6

Orifice plugs

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

Dimensions

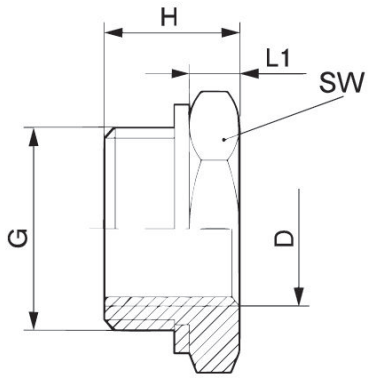


Reducing nipple

Compressed air connection type: External thread
Compressed air connection type 2: Internal thread
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C
Min. working pressure: 0 bar
Max. working pressure: 16 bar

G	Ø D	Delivery unit [piece]	Part No.
G 1/2	G 1/4	5	1823391300
G 1/2	G 3/8	5	1823391014
G 3/4	G 1/2	5	1823391028
G 1	G 1/2	2	1823391304

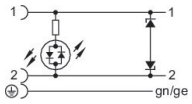
Dimensions



Part No.	Port D	Port G	H	L1	SW
1823391080	M5	G 1/8	10.5	4.5	14
1823391012	G 1/8	G 1/4	13	4	17
1823391298	G 1/8	G 3/8	14	5	19
1823391013	G 1/4	G 3/8	15	5	19
1823391299	G 1/8	G 1/2	15.5	5.5	24
1823391300	G 1/4	G 1/2	15.5	5.5	24
1823391014	G 3/8	G 1/2	15.5	5.5	24
1823391301	G 1/4	G 3/4	19	7	32
1823391302	G 3/8	G 3/4	19	7	32
1823391028	G 1/2	G 3/4	19	7	32
1823391303	G 3/8	G 1	23	8	41
1823391304	G 1/2	G 1	23	8	41
1823391285	G 3/4	G 1	23	8	41

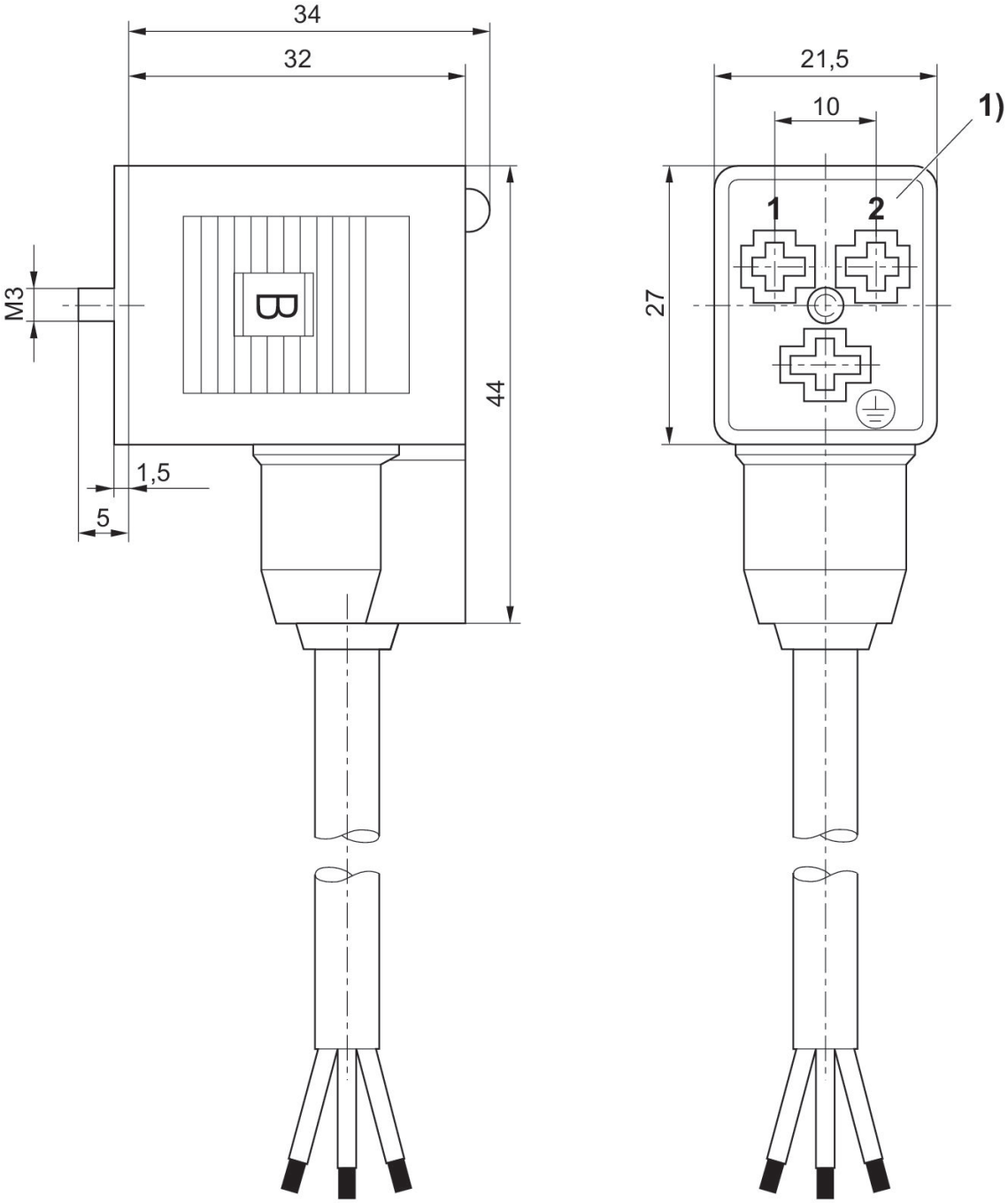
Valve plug connector with cable series CON-VP, Form B, 0° female insert

Electrical connection 1: Socket ... Form B ... 2+E ... angled 90°
Electrical connection 2: open cable ends ... 3-pin
Protective circuit: Z-diode
Ambient temperature min./max.: -20 °C ... 80 °C



Operational voltage	Protective circuit	Max. current [A]	Contact assignment	LED status display	Cable-Ø [mm]	Cable length [m]	Part No.
24 V AC/DC	Z-diode	10	2+E	Yellow	5.9	3	1834484153
24 V AC/DC	Z-diode	10	2+E	Yellow	5.9	5	1834484155

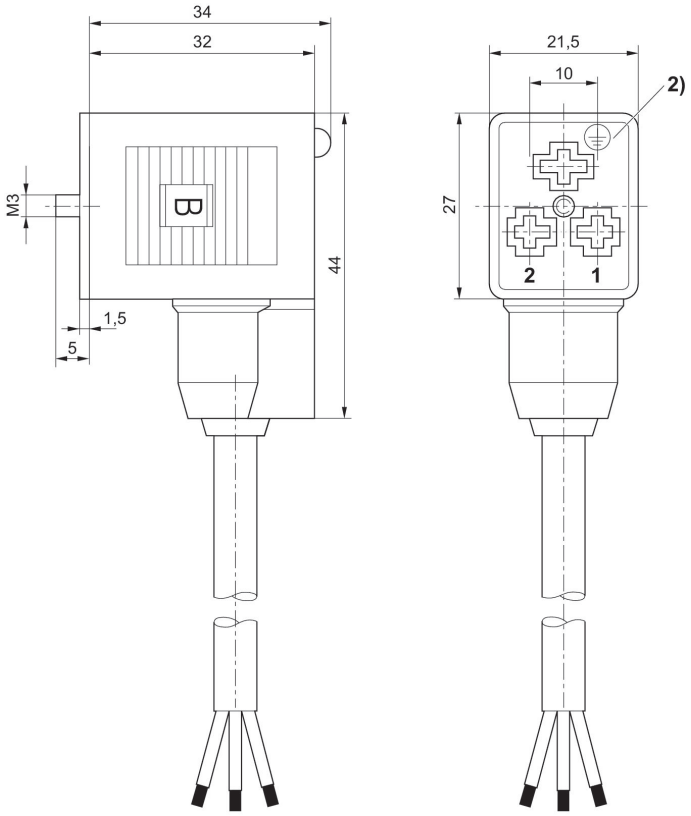
Dimensions



1) 0° female insert

1834484153, 1834484155

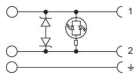
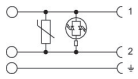
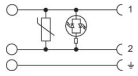
Dimensions



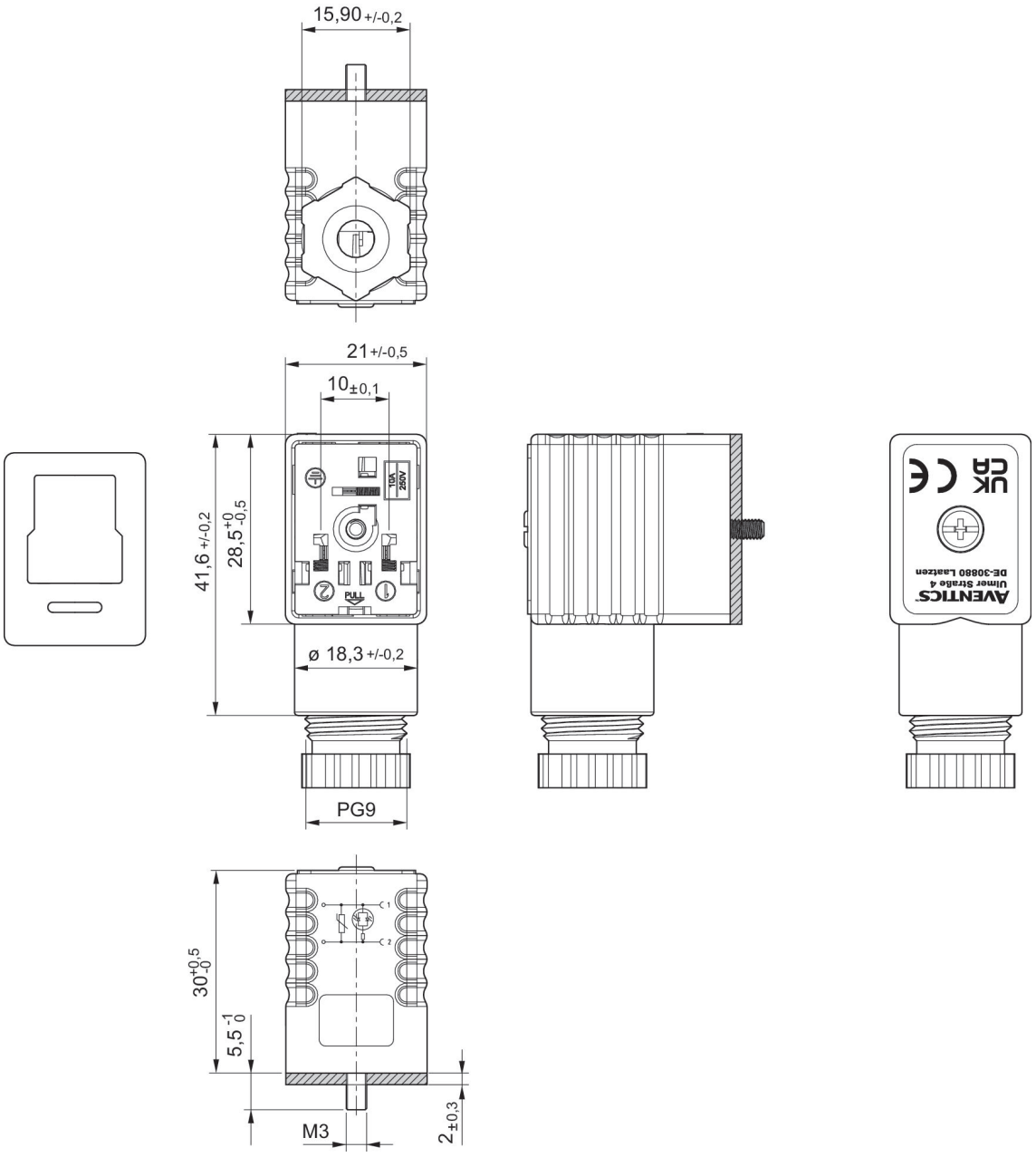
2) 180° female insert

Valve plug connector, series CON-VPP, Form B, 115/230 V AC/DC, LED

Electrical connection 1: EN 175301-803, form B
Ambient temperature min./max.: -40 °C ... 90 °C

	Operational voltage	Protective circuit	Max. current [A]	Contact assignment	LED status display	min. suitable cable Ø [mm]	max. suitable cable Ø [mm]	Part No.
	24 V AC/DC	2 Z-diodes	1.5	2+E	Yellow	4	8	1834484104
	115 V AC/DC	Varistor	1.5	2+E	Red	4	8	1834484105
	230 V AC/DC	Varistor	1.5	2+E	Red	4	8	1834484106

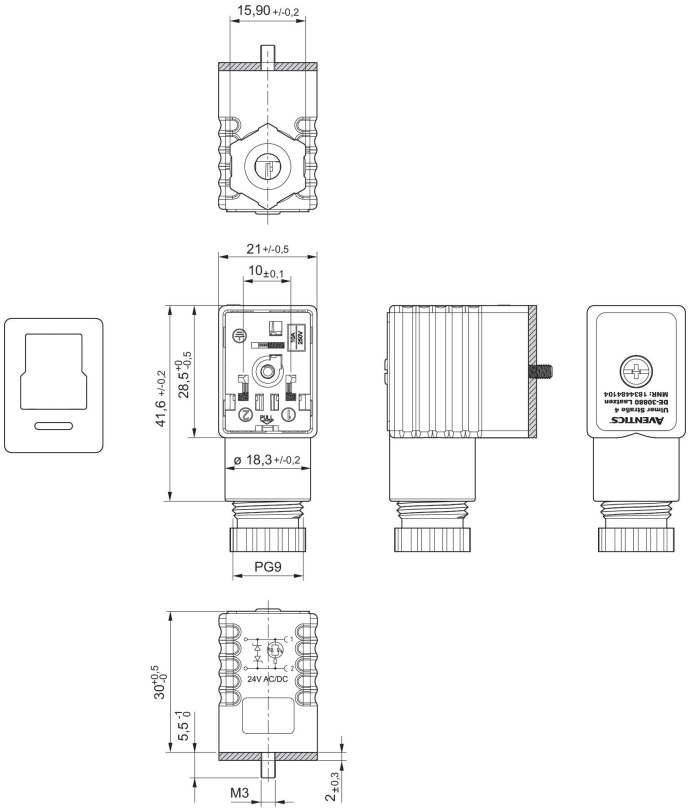
Dimensions



Profile seal

1834484104

Dimensions



Profile seal

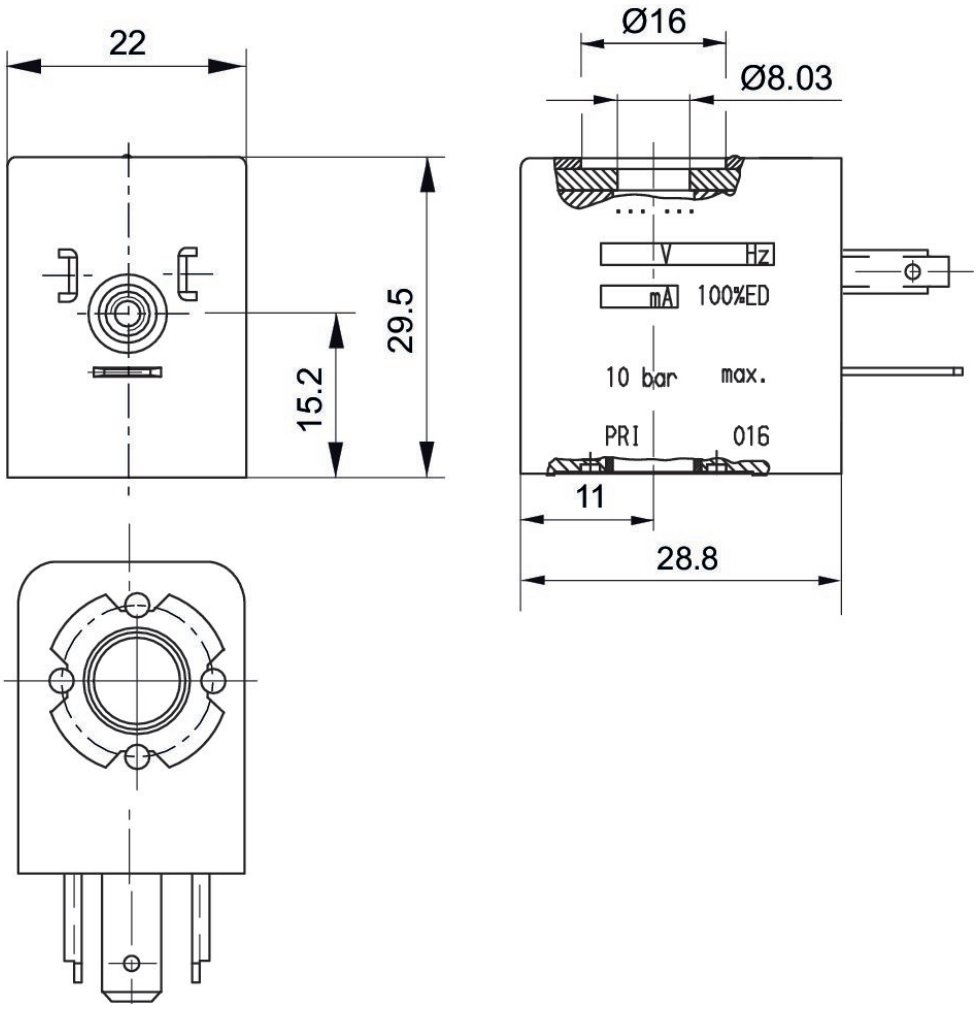
Coil, Series CO1, Form B

Coil width: 22 mm
Duty cycle: 100 %
Max. ambient temperature: 50 °C

Operational voltage DC	Number of poles	Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Voltage tolerance DC	Voltage tolerance AC 50 Hz	Voltage tolerance AC 60 Hz	Power consumption DC [W]	Part No.
12 V	3-pin	24 V	24 V	-10 % / +10 %	-10 % / +10 %	-10 % / +10 %	5.5	1824210239
24 V	3-pin	48 V	48 V	-10 % / +10 %	-10 % / +10 %	-10 % / +10 %	4.8	1824210243
48 V	3-pin			-10 % / +10 %	-10 % / +10 %	-10 % / +10 %	5	1824210241
60 V	3-pin	110 V	110 V	-10 % / +10 %	-10 % / +10 %	-10 % / +10 %	5.9	1824210237
110 V	3-pin	220 V	230 V	-10 % / +10 %	-10 % / +10 %	-10 % / +10 %	4.9	1824210235

Holding power AC 50 Hz [VA]	Switch-on power AC 50 Hz [VA]	Compatibility index	Part No.
8.9	12	14	1824210239
7.7	10.5	14	1824210243
		14	1824210241
8.4	11	14	1824210237
9.7	12.6	14	1824210235

Dimensions



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