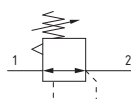


Regulators



- ▶ Pressure regulator diaphragm with over-pressure drain (Relieving)
- ▶ Body, adjustment mechanism, back plate and caseback internal components in AISI 316L stainless steel
- ▶ AISI 316 stainless steel adjustment springs
- ▶ Fixing screws, adjustment screw and locking nut in inox A4 (AISI 316)
- ▶ Clean profile versions available
- ▶ Low hysteresis rolling diaphragm
- ▶ Balanced system
- ▶ ATEX certification (II 2G or II 2D), SIL, EAC

Note

The pressure must be always regulating while increasing. For a more precise regulation and higher sensibility, the use of a regulator with a pressure range as close as possible to the regulated pressure is recommended.

2

AIR TREATMENT

Technical characteristics			
Size	Size 2	Size 3	Size 4
Type	Rough finishing Clean profile (Back plate and adjustment mechanism)		
IN / OUT connections	1/4" NPT 3/8" NPT G1/4"	1/4" NPT 1/2" NPT G1/2"	3/4" NPT 1" NPT G1"
Assembly configuration	Stand alone		
Assembly position	Indifferent		
Pressure range (bar)	0-2 0-4 0-8 0-12		
Regulation	Manual		
Pressure measurement	1/8" NPT pressure gauge connection port		

Operational characteristics			
Size	Size 2	Size 3	Size 4
Maximum working pressure (bar)	20		
Minimum working pressure (bar)	0,5		
Working temperature (C°)	-30 ... +80 (standard version) -50 ... +80 (low temperature L version) -60 ... +80 (low temperature version -60 °C Z) -5 ... +150 (high temperature H version) -40 ... +100 (EPDM-FDA version)		

Weights			
Size	Size 2	Size 3	Size 4
Weight (g)	1283	2270	5400



Order codes

S S 17 3B R B N L

Version	
S	Rough finishing
F	Clean profile

Size and connections	
2A	Size 2 - 1/4" NPT
2B	Size 2 - 3/8" NPT
2C	Size 2 - G1/4"
3A	Size 3 - 1/4" NPT
3B	Size 3 - 1/2" NPT
3D	Size 3 - G1/2"
4A	Size 4 - 3/4" NPT
4B	Size 4 - 1" NPT
4D	Size 4 - G1"

Pressure range	
A	0 - 2 bar
B	0 - 4 bar
C	0 - 8 bar (0 - 7 bar for size 4)
D	0 - 12 bar (0 - 10 bar for size 4)

Type	
	Standard
N	without relieving

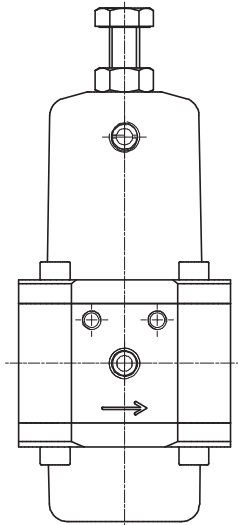
Options	
	Standard
L	Low temperature
Z	Low temperature (-60 °C)
H	High temperature
EF	EPDM-FDA

Example: SS173BRBNL

Size 3 regulator, rough finishing, 1/2" NPT connection, pressure range 0 - 4 bar, without relieving, low temperature version.

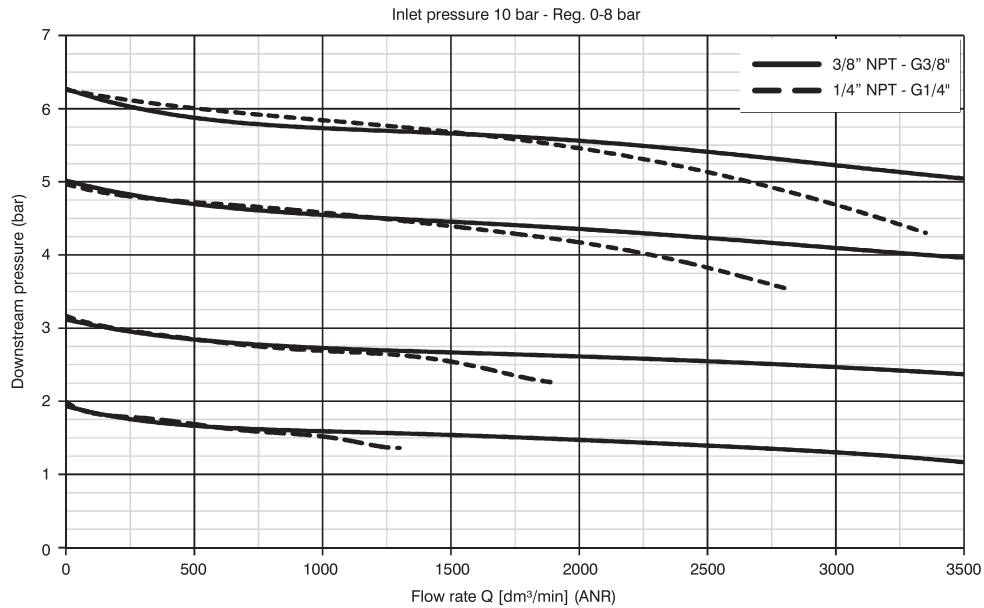
Design

Size 2 - Size 3 - Size 4



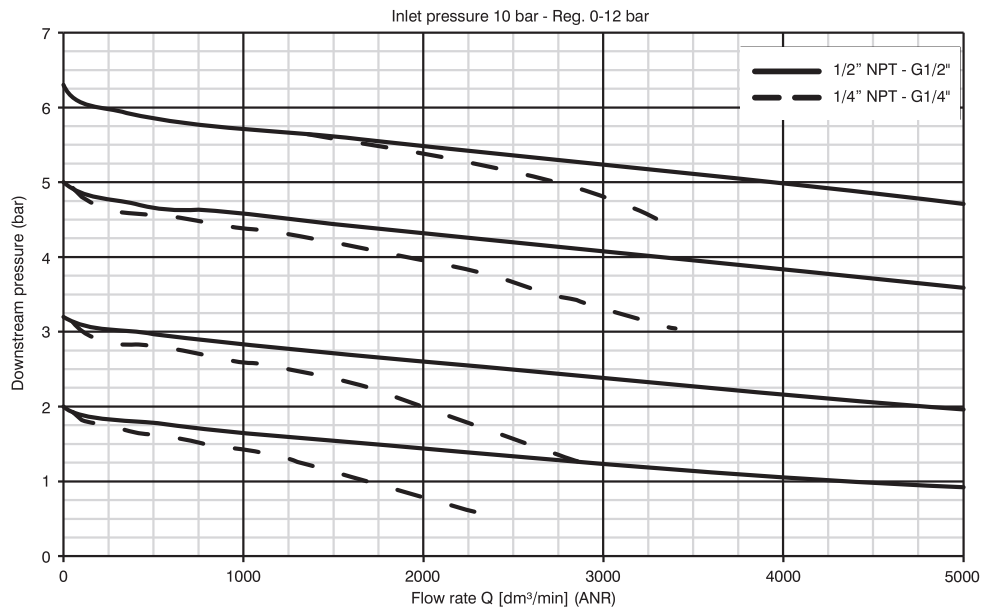
Characteristic curves

Flow rate curves



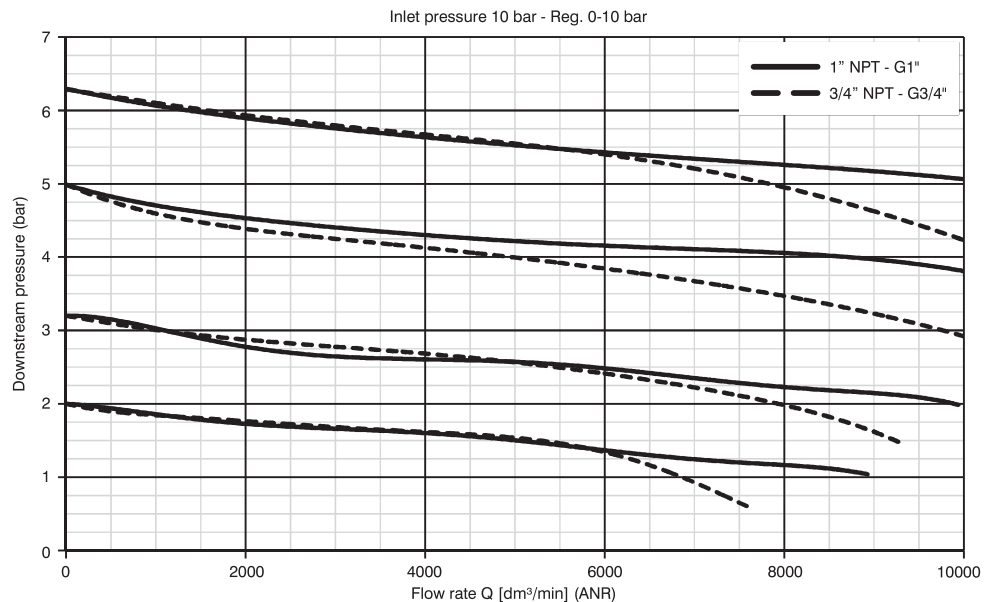
Size 2

Flow rate curves



Size 3

Flow rate curves

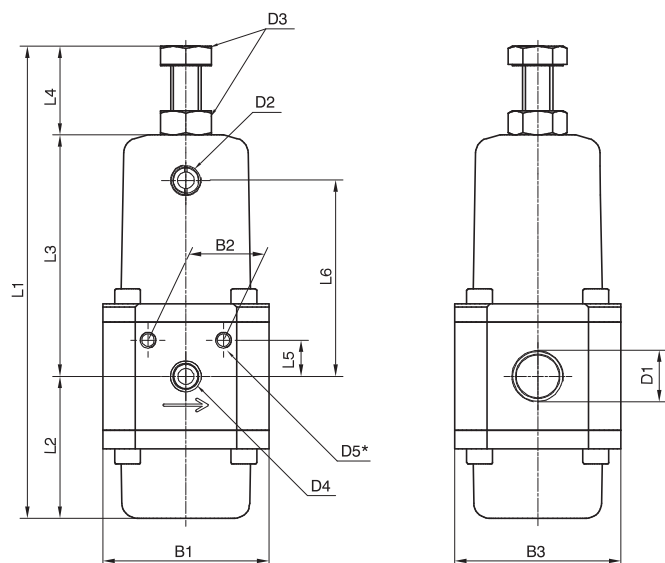


Size 4

2

AIR TREATMENT

Dimensions



*THREADED HOLES ON BOTH SIDES

Model	B1	B2	B3	D1	D2	D3	D4	D5	L1	L2	L3	L4	L5	L6
#172...	55	25	55	1/4" NPT 3/8" NPT G1/4"	1/8" NPT	Ch.17	1/8" NPT	M5 2 front holes 2 rear holes	156,5	47	80	29,5	12	65
#173...	71	22	71	1/4" NPT 1/2" NPT G1/2"	1/8" NPT	Ch.17	1/8" NPT	M6 2 front holes 2 rear holes	172,5	53	91	28,5	14,5	76,5
#174...	92	36	92	3/4" NPT 1" NPT G1"	1/8" NPT	Ch.19	1/8" NPT	M8 2 front holes 2 rear holes	260,5	74	147	39,5	22,5	128