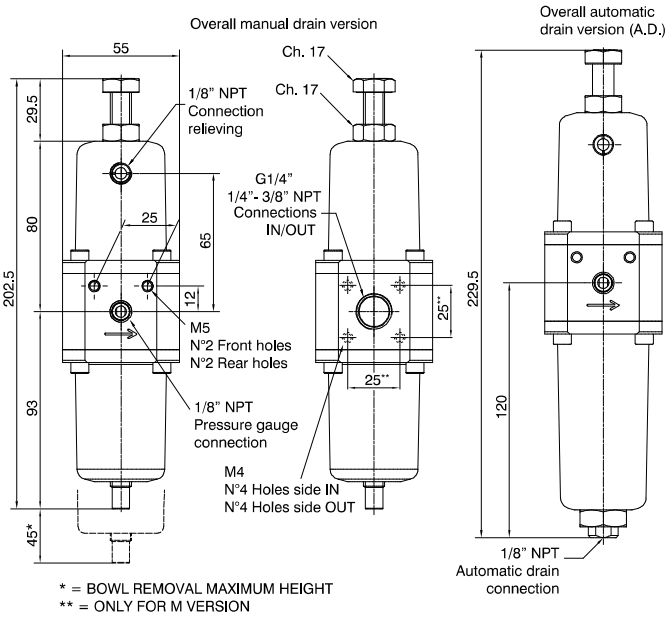
PROCESS AUTOMATION TECHNOLOGY

Filter regulators



Ordering code

SV172CESGTO

	VERSION
V	S = Standard surface finishing
	F = Clean profile
	M = Modular assembly version
	CONNECTIONS
C	A = 1/4" NPT
	B = 3/8" NPT
	C = G1/4"
	FILTER PORE SIZE
	A = 5 µm - 316 stainless steel
	B = 20 µm - 316 stainless steel
S	C = 50 µm - 316 stainless steel
	D = 5 µm - HDPE
	E = 20 µm - HDPE
	F = 50 µm - HDPE
	PRESSURE RANGE
	A = 0-2 bar
G	B = 0-4 bar
	C = 0-8 bar
	D = 0-12 bar
	TYPE
T	= Standard*
	N = Without relieving
	OPTIONS
	= Standard*
	L = Low temperature
	Z = Low temperature (-60 °C)
O	H = High temperature
	S = Automatic drain
	SR = Reduced orifice automatic drain
	EF = EPDM-FDA

* no additional letter required

Construction characteristics

- Body, adjustment mechanism, AISI 316L stainless steel and caseback intern. components
- AISI 316 stainless steel adjustment springs.
- Fixing screws, adjustment screws and locknut in A4 (AISI 316) stainless steel.
- Filter-pressure regulator diaphragm with over-pressure drain (Relieving).
- Low hysteresis rolling diaphragm.
- Balanced system.
- Manual or automatic condensed drain.

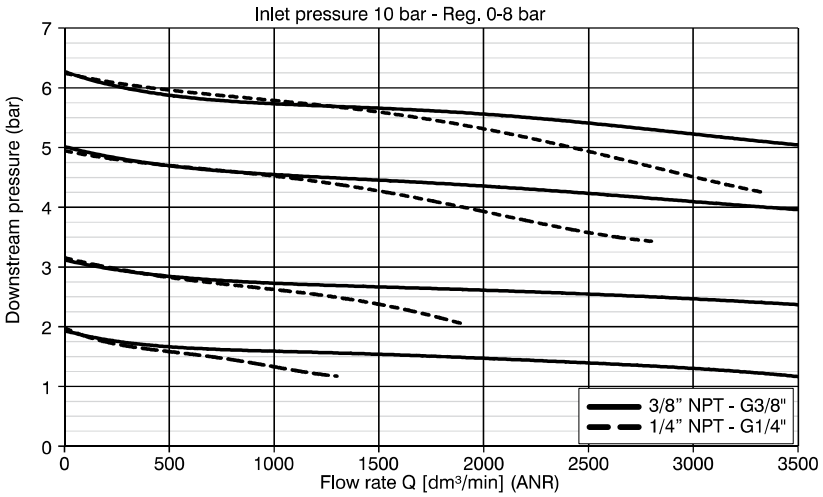
Note

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.

Technical characteristics

Maximum inlet pressure (standard version)	20 bar
Maximum inlet pressure (automatic drain version)	16 bar
Maximum inlet pressure (reduced orifice automatic drain version)	10 bar
Temperature (standard version)	-30°C ... +80°C
Temperature (low temperature version)	-50°C ... +80°C
Temperature (low temperature version -60 °C)	-60°C ... +80°C
Temperature (high temperature version)	-5°C ... +150°C
Temperature (automatic and reduced orifice drain version)	-5°C ... +70°C
Temperature (EPDM-FDA version)	-40°C ... +100°C
Pressure gauge connection	1/8" NPT
Weight	1470 (gr.)
Bowl capacity	15 cm^3
Assembly positions	Vertical

Flow rate chart



Pressure regulator Stainless steel line have been designed to withstand **a 60 bar** maximum inlet pressure.
Maximum regulated outlet pressure is 20 bar.
For performance details please refer to diagram alongside.