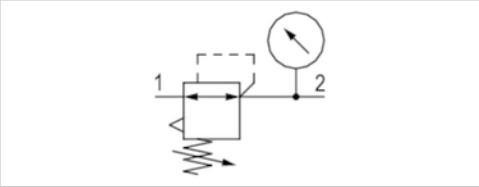
Pressure regulator, Series 652

- G 1/4 G 3/8 G 1/2
- Qn = 4120-7000 l/min
- ATEX optional





Parts	Pressure regulator
Working pressure min./max.	0 ... 16 bar
Ambient temperature min./max.	-20 ... 50 °C
Medium temperature min./max.	-20 ... 50 °C Extended temperature range min./max. (optional) -40 °C ... 80 °C
Medium	Compressed air Neutral gases
Regulator type	Can be assembled into blocks
Adjustment range min./max.	0,5 ... 10 bar
Hysteresis	0.2 bar
Weight	0,43 kg

The delivered product varies from that in the illustration. See the drawing for an exact description.

Technical data

Part No.	Port	Flow
		Qn
G652AR002GA00H0	G 1/4	4120 l/min
G652AR002PA00H0	G 1/4	4120 l/min
G652AR002QA00H0	G 1/4	4120 l/min
G652AR003GA00H0	G 3/8	6530 l/min
G652AR003PA00H0	G 3/8	6530 l/min
G652AR003QA00H0	G 3/8	6530 l/min
G652AR004GA00H0	G 1/2	7000 l/min
G652AR004PA00H0	G 1/2	7000 l/min
G652AR004QA00H0	G 1/2	7000 l/min

Part No.	Pressure gauge
G652AR002GA00H0	With integrated pressure gauge
G652AR002PA00H0	Transition plate for assembling a pressure gauge with connection thread G 1/8
G652AR002QA00H0	with pressure gauge
G652AR003GA00H0	With integrated pressure gauge
G652AR003PA00H0	Transition plate for assembling a pressure gauge with connection thread G 1/8
G652AR003QA00H0	with pressure gauge
G652AR004GA00H0	With integrated pressure gauge
G652AR004PA00H0	Transition plate for assembling a pressure gauge with connection thread G 1/8
G652AR004QA00H0	with pressure gauge

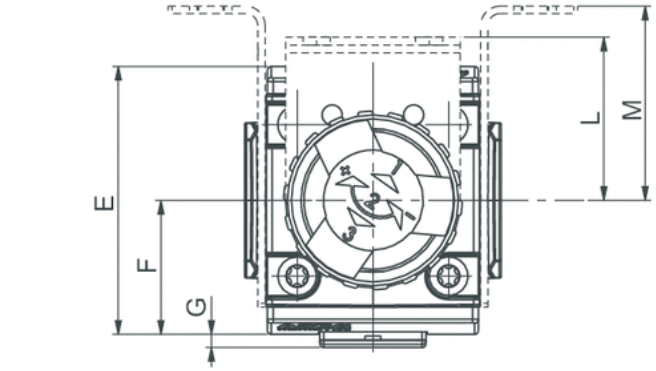
Nominal flow Qn at p1= 10 bar , p2= 6.3 bar and Δp = 1 bar

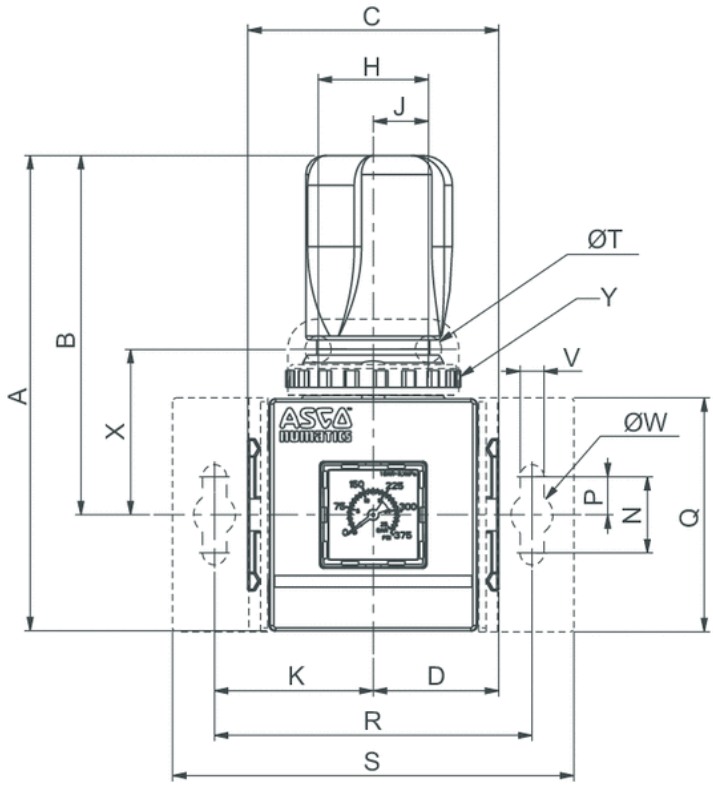
Technical information

Material	
Housing	Aluminum
Front plate	Polyamide
Seals	Nitrile butadiene rubber

Dimensions

Dimensions



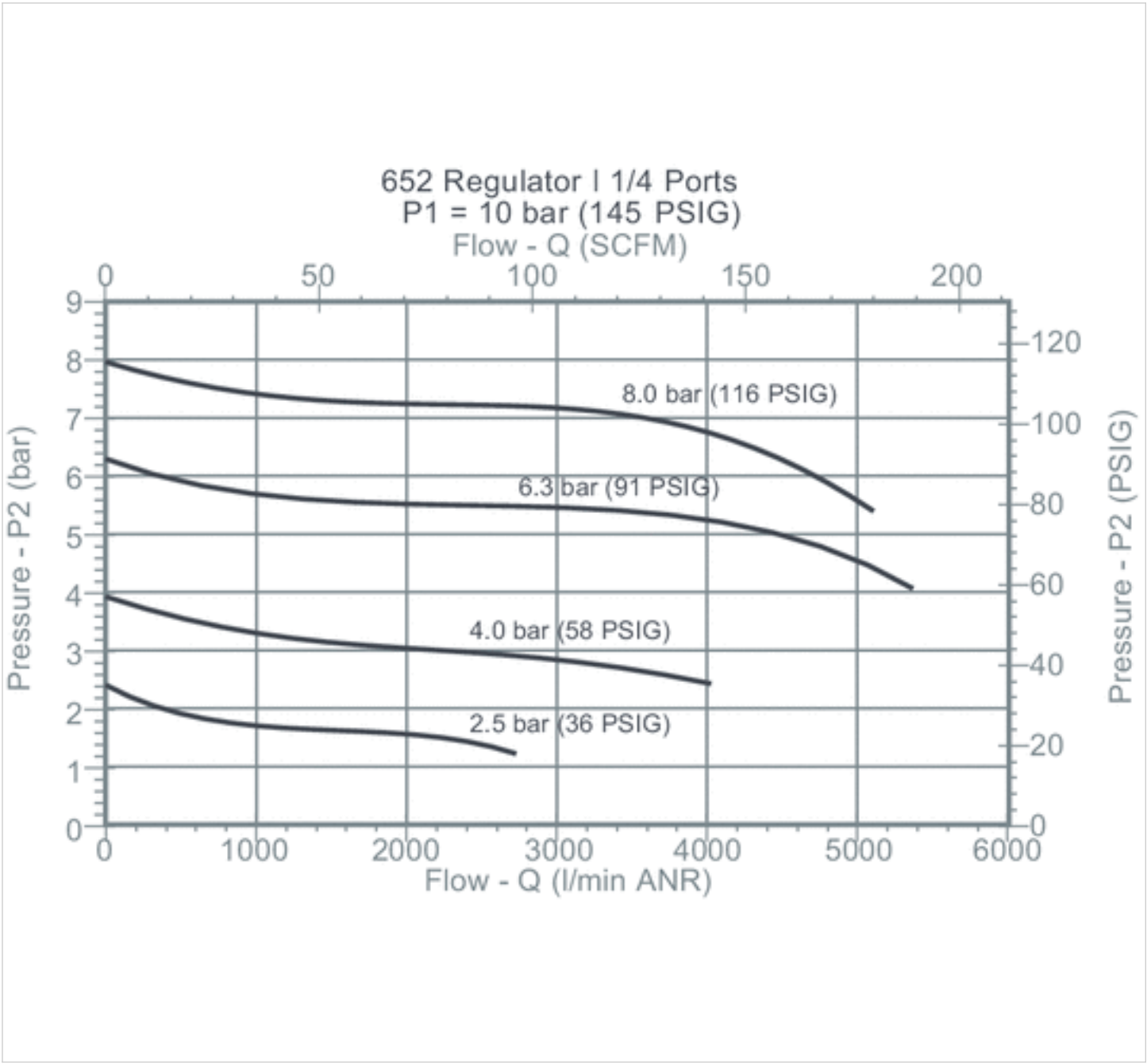


Dimensions

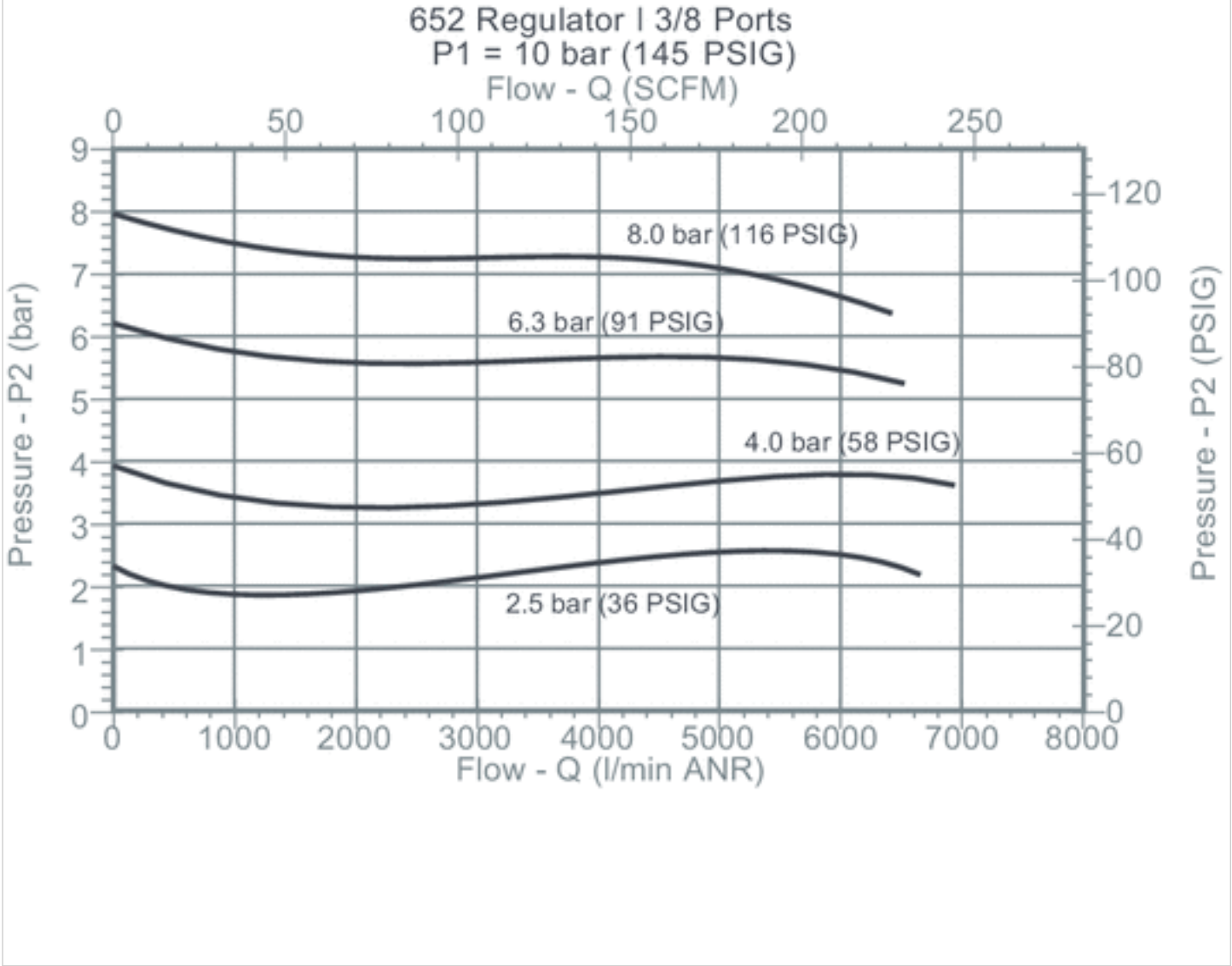
Series	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	V	W	X	Y
652	125	94,5	66	33	69	34,5	2,5	29	14,5	41,75	42	50	20	10	61,5	83,5	105,5	7	6,3	11	43,5	M37x2

Diagrams

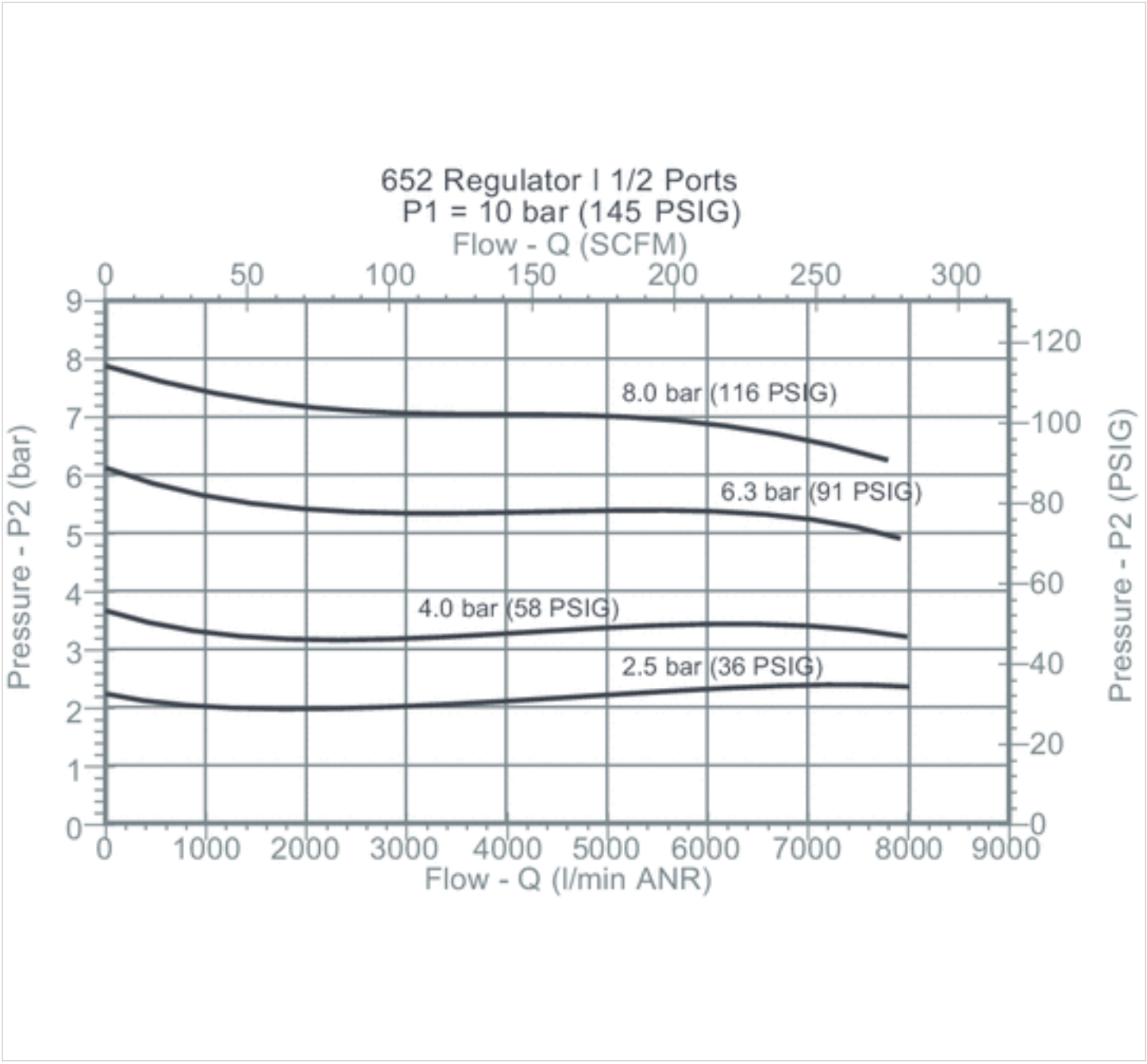
Flow diagram, G 1/4



Flow diagram, G 3/8

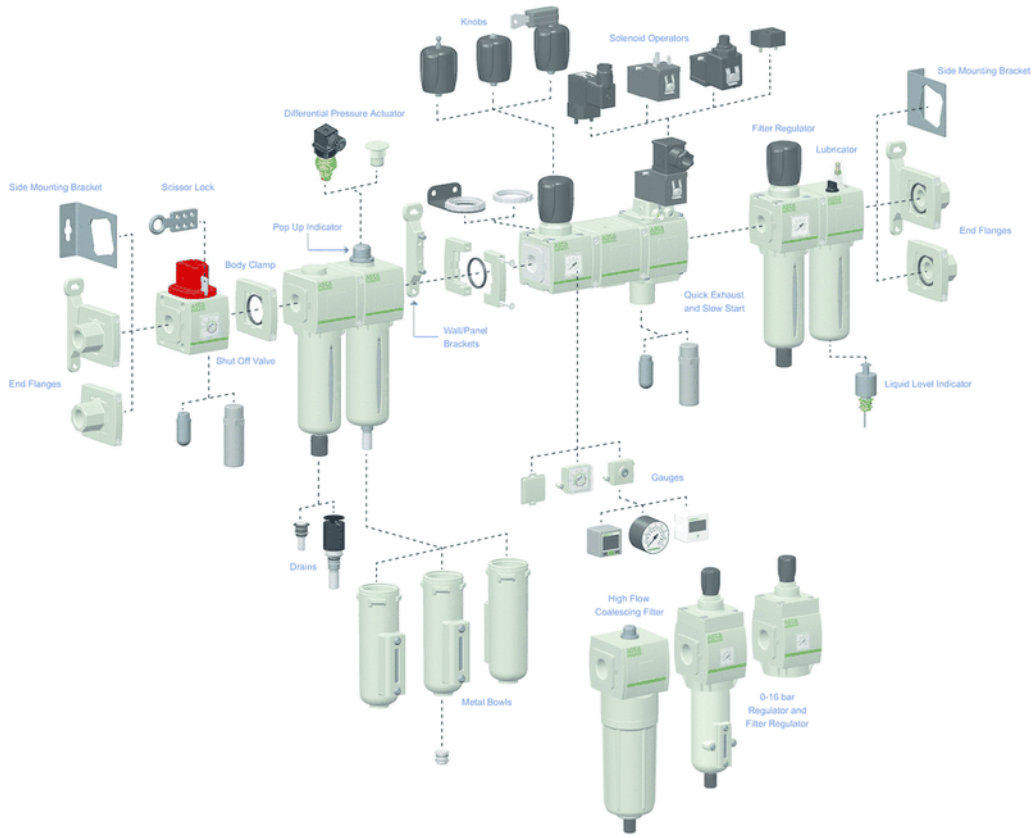


Flow diagram, G 1/2



Accessories overview

Accessories overview



Ordering information

G 651 A R 0 0 2 G A00 H 0

Thread connection
G = ISO 228/1-G (1)
8 = NPTF

Product series
651
652
653

Revision letter
A

Product type
K = Regulator "Quick Relief Option" (652 only)
R = Regulator (2)
W = Pilot Operated Regulator (652 only)

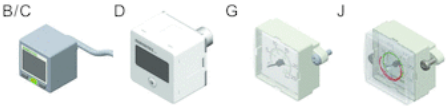
K/R W



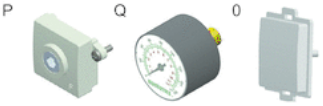
Port size
1 = 1/8 (651 Series)
2 = 1/4 (651 or 652 Series)
3 = 3/8 (652 Series)
4 = 1/2 (652 Series)
5 = 3/4 (653 Series)
6 = 1 (653 Series)

Gauge type
B = Digital pressure switch - PNP
C = Digital pressure switch - NPN
D = Digital gauge
G = Low profile integrated gauge bar/PSI
J = Low profile integrated gauge bar/PSI with pressure range indicators
Q = Round gauge bar/PSI
0 = No gauge port
P = Port Plate Rc 1/8

B/C D G J



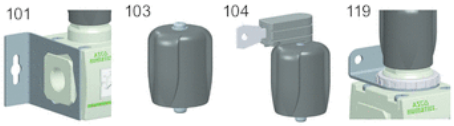
P Q 0



Pressure range
D = 0,2..3 bar
H = 0,5..10 bar
N = 0,5..16 bar (653 only)

Options (3)
A00 = Without option
101 = Side Mounting Brackets
102 = Panel Nut (651 or 652)
103 = Tamper resistant
104 = Key lockable
105 = High temperature (+80°C)
106 = Low temperature (-40°C) (4)
109 = FPM seals
113 = Stainless steel fasteners
114 = Provision for key lock
117 = ATEX zones 1-21
119 = Panel Bracket with Panel Nut (651 or 652)
121 = Non-relieving
122 = Bottom oriented pressure adjustment
123 = Gauge type mounted for right-to-left flow
124 = CUTR Certification (EAC)
125 = CUTR Ex
202 = 105 + 109
2A9 = 105 + 106

101 103 104 119



122 123



(1) Conforms to ISO standards 1179-1.
(2) Relieving standard; use option 121 for non-relieving
(3) If multiple options are required, please use the on-line CAD configurator on the website to generate the part number (www.asco.com).
(4) Compressed air must be dry enough so no ice formation is present on the product.

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



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