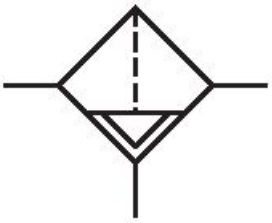
Filter, Series 653

G653ABJL6JA000N

General series information
Series 653

- The AVENTICS Series 653 is an easy-to-install line of pneumatic filters, regulators and lubricators (FRLs) that offer the industry´s highest flow rates and widest temperature ratings. Available in 1/2-inch, 3/4-inch, and 1-inch port sizes, these FRLs are ideal for automotive and tire, packaging, food and beverage, and process applications requiring highly reliable operation and robust, modern-looking equipment. Available with integrated redundant safe exhaust valve and IIoT enabled air flow sensor.



Technical data

Industry	Industrial
Parts	Filter
Reservoir	reservoir, metal, with inspection glass
Port	G 1
Filter porosity	25 µm
Nominal flow Qn	5000 l/min
Condensate drain	semi-automatic, open without pressure
Working pressure min.	0 bar
Working pressure max	20 bar
Min. ambient temperature	-20 °C
Max. ambient temperature	50 °C
Medium	Compressed air Neutral gases

Medium temperature note	Extended temperature range min./max. (optional) -40 °C ... 80 °C
Certificates	ATEX optional
Max. achievable compressed air class acc. to ISO 8573-1:2010	1 : - : 2
Weight	1.14 kg
Type	Can be assembled into blocks

Material

Housing material	Aluminum
Seal material	Nitrile butadiene rubber
Material filter insert	Sintered polyethylene
Material condensate drain	Plastic
Part No.	G653ABJL6JA000N

Technical information

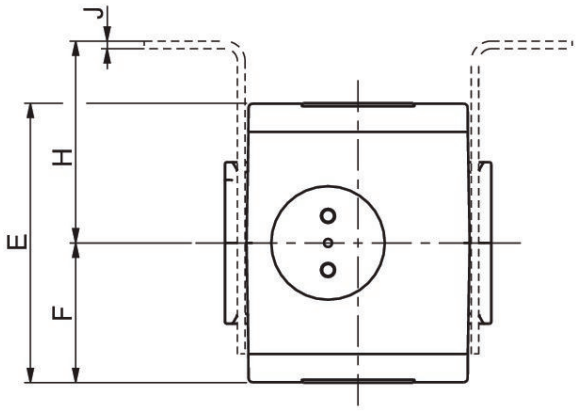
Other filter porosities on request.

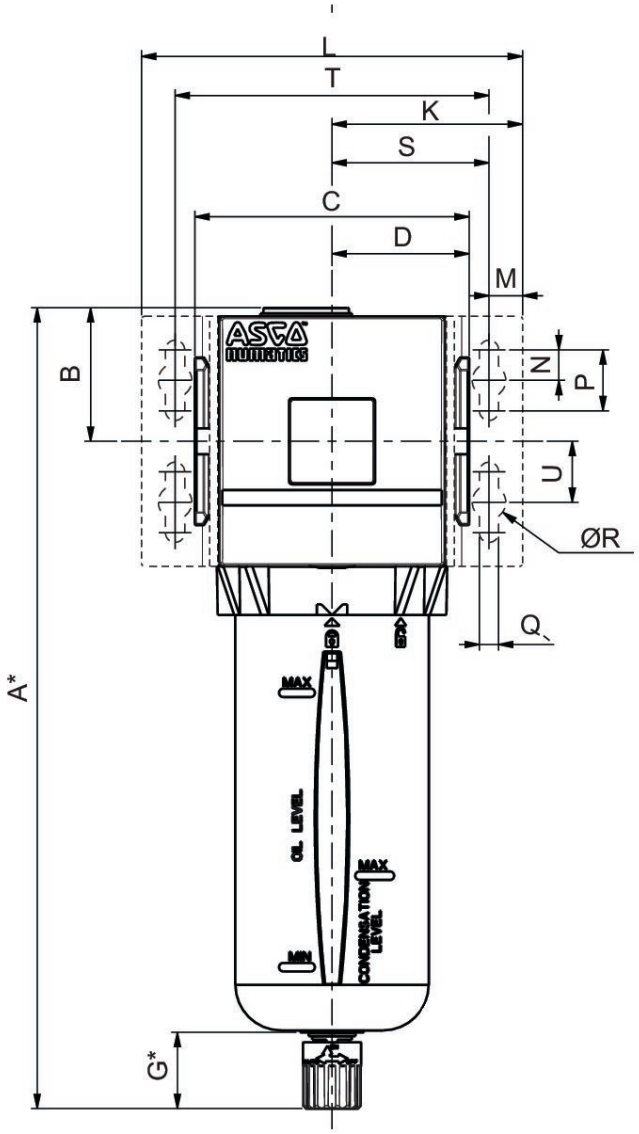
The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in https://www.emerson.com/en-us/support).

Dimensions

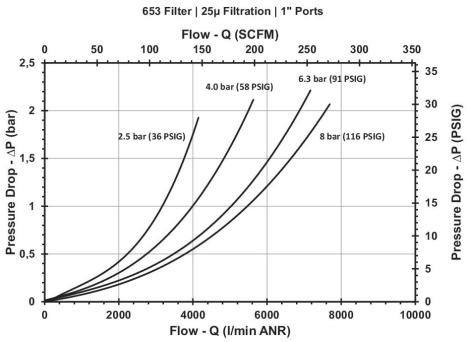




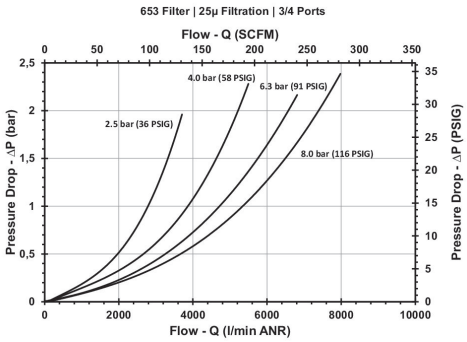
*Variable dimension based on the type of drain specified, if an automatic drain is specified, add another [[5] mm] to the “G” dimension, which also adds 5 mm to the “A” dimension.

Series	653
A	260,7
B	43,8
C	90
D	45
E	93,2
F	46,6
G	25
H	62
J	3
K	62,5
L	125
M	11
N	10
P	20
Q	6,3
R	11
S	51,5
T	103
U	20

Flow diagram
G 1



Flow diagram
G 3/4



Accessories overview