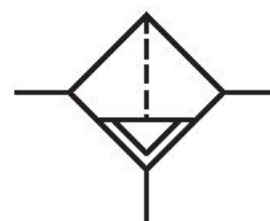


# Filter, Series 651

## G651ABBK1JA000A

### General series information Series 651

- The AVENTICS Series 651 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 1/8-inch, and 1/4-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.



### Technical data

Industry

Parts

Reservoir

Port

Filter porosity

Nominal flow Qn

Condensate drain

Working pressure min.

Working pressure max

Min. ambient temperature

Max. ambient temperature

Medium

Industrial

Filter

reservoir, metal, standard, without inspection  
glass

G 1/8

5 µm

885 l/min

fully automatic, open without pressure

0 bar

16 bar

-20 °C

50 °C

Compressed air

Neutral gases

|                         |                                                                     |
|-------------------------|---------------------------------------------------------------------|
| Medium temperature note | Extended temperature range min./max. (optional)<br>-40 °C ... 80 °C |
| Certificates            | ATEX optional                                                       |
| Weight                  | 0.38 kg                                                             |
| Type                    | Can be assembled into blocks                                        |

## Material

|                           |                          |
|---------------------------|--------------------------|
| Housing material          | Aluminum                 |
| Seal material             | Nitrile butadiene rubber |
| Material filter insert    | Sintered polyethylene    |
| Material condensate drain | Brass                    |
| Part No.                  | G651ABBK1JA000A          |

## Technical information

Max. achievable compressed air class acc. to ISO 8573-1:2010 5 : 8 : 4 (5 µm filter porosity) und 6 : 8 : 4 (25µm filter porosity)

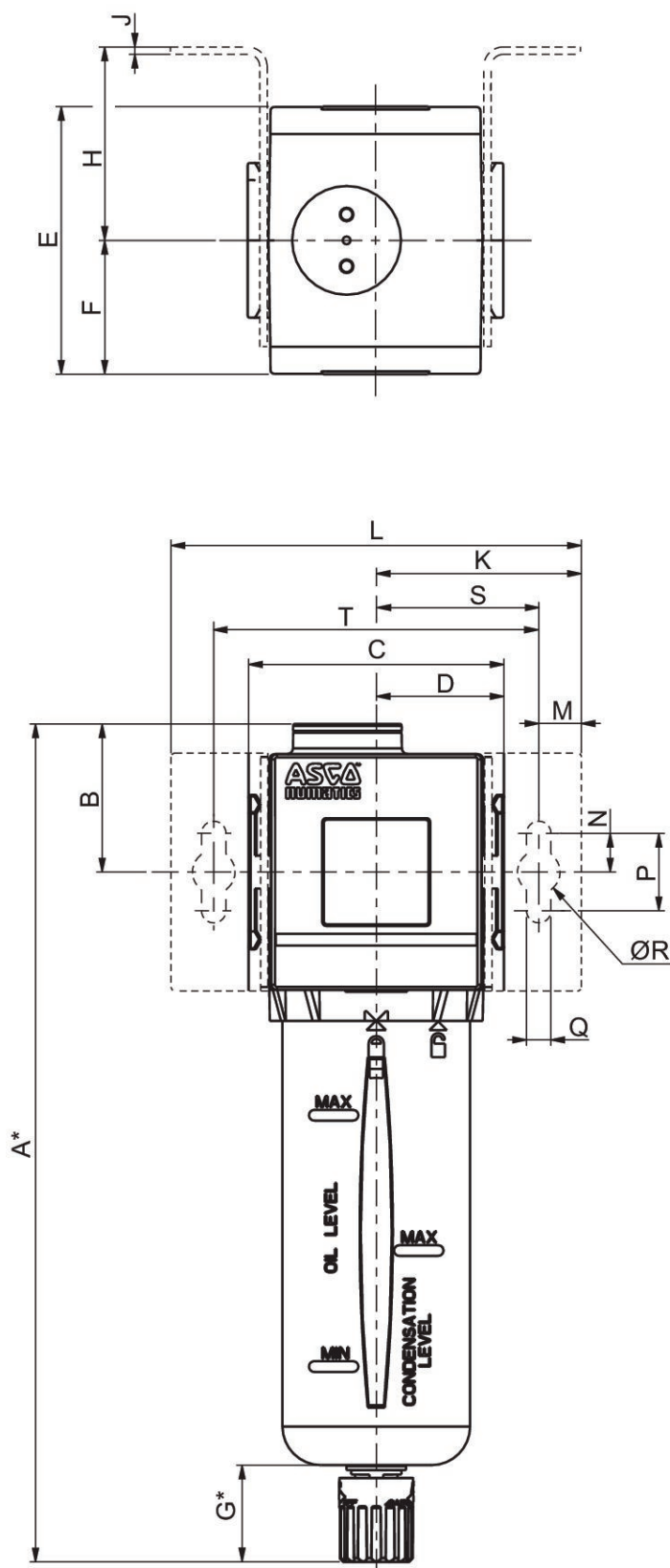
Other filter porosities on request.

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>).

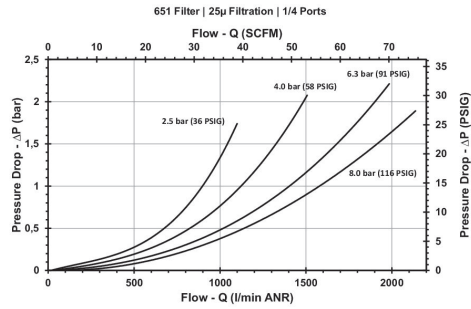
## Dimensions



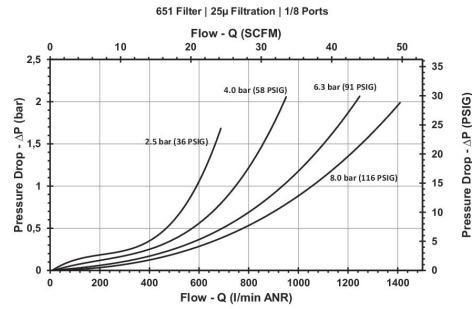
\*Variable dimension based on the type of drain specified, if an automatic drain is specified, add another [[5] mm] to the "G" dimension, which also adds 5 mm to the "A" dimension.

| Series | 651  |
|--------|------|
| A      | 197  |
| B      | 33,8 |
| C      | 50   |
| D      | 25   |
| E      | 58   |
| F      | 29   |
| G      | 25   |
| H      | 44,5 |
| J      | 1,27 |
| K      | 46   |
| L      | 92   |
| M      | 11   |
| N      | 10   |
| P      | 20   |
| Q      | 6,3  |
| R      | 11   |
| S      | 35   |
| T      | 70   |

Flow diagram  
G 1/4



Flow diagram  
G 1/8



## Accessories overview

