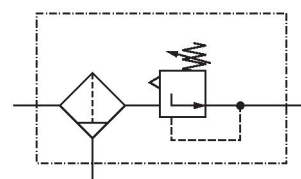


Filter pressure regulator, Series MU1-FRE

9155522410

General series information
AVENTICS Series MU1 Air Preparation Units

- The AVENTICS Series MU1 components are ideal for applications in harsh environments. They offer large thread connections to guarantee a high compressed air flow rate and provide reliable filtration, regulation and lubrication.



Technical data

Industry	Industrial
Parts	Filter pressure regulator
Reservoir	Metal reservoir without window
Port	G 1
Nominal flow Qn	7000 l/min
Filter porosity	40 µm
Condensate drain	Manual
Pressure gauge	without pressure gauge
Working pressure min.	0.5 bar
Working pressure max	16 bar
Min. ambient temperature	-10 °C
Max. ambient temperature	60 °C
Regulation range min.	0.5 bar
Regulation range max.	10 bar
Type	1-part

Pressure supply	single
Mounting orientation	vertical
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Filter element	exchangeable
Filter reservoir volume	300 cm ³
Medium	Compressed air Neutral gases
Weight	2.4 kg

Material

Housing material	Die-cast aluminum
Seal material	Acrylonitrile butadiene rubber
Material reservoir	Die-cast aluminum
Material filter insert	Polyethylene
Part No.	9155522410

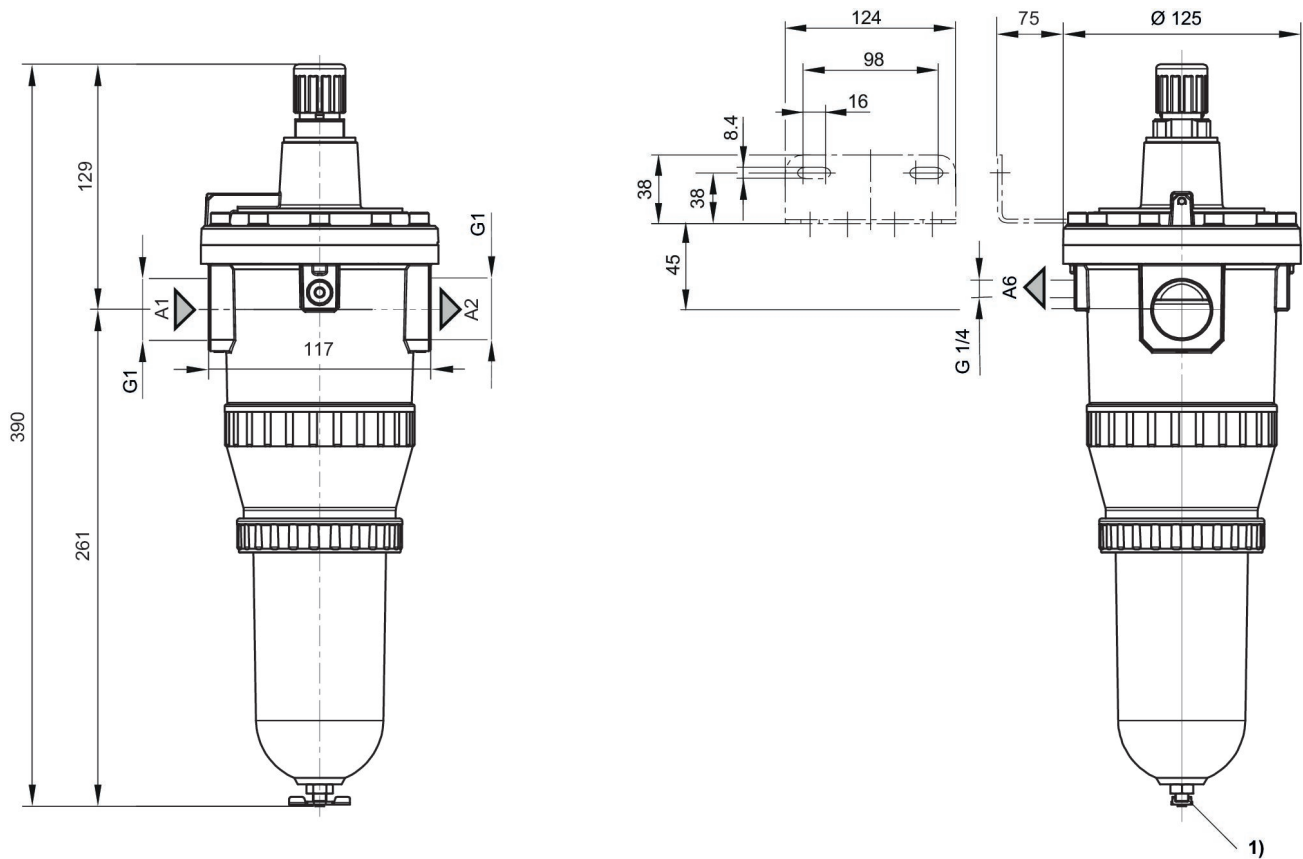
Technical information

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

Mounting: panel installation or mounting bracket R412004873

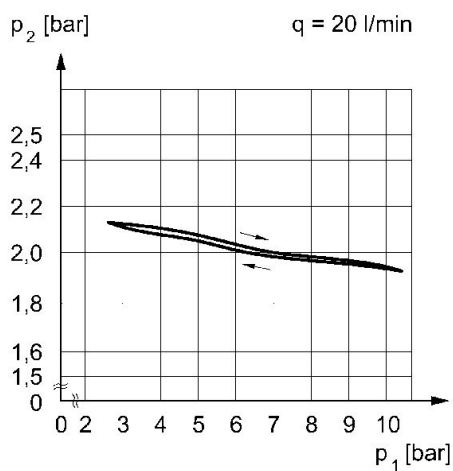
Nominal flow Qn with secondary pressure p2 = 6 bar at $\Delta p = 1$ bar

Dimensions



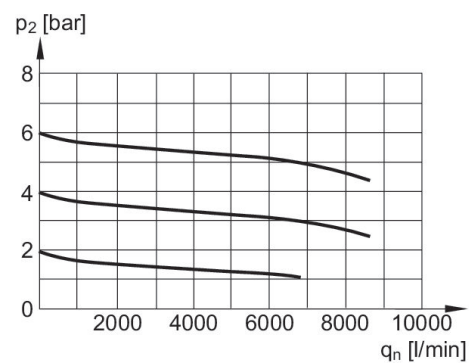
1) Semi-automatic condensate drain

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
 q = flow rate

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



p_1 = Working pressure p_2 = Secondary pressure q_n = Nominal flow