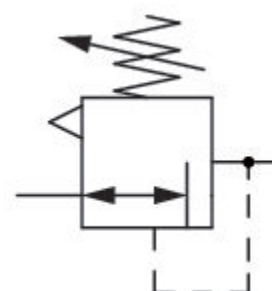


# Pressure regulator, Series MU1-RGS

R412006575

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
Function	Standard pressure regulator
Parts	Pressure regulator
Pressure gauge	without pressure gauge
Mounting orientation	Any
Regulator type	Diaphragm-type pressure regulator
Port	G 1 1/4
Nominal flow Qn	16500 l/min
Regulation range min.	0.5 bar
Regulation range max.	10 bar
Working pressure min.	0.5 bar
Working pressure max.	25 bar

Min. ambient temperature	-10 °C
Max. ambient temperature	60 °C
Activation	Mechanical
Regulator function	with relieving air exhaust
Pressure supply	single
Medium	Compressed air Neutral gases
Weight	2.5 kg

## Material

Housing material	Die-cast aluminum
Seal material	Acrylonitrile butadiene rubber
Part No.	R412006575

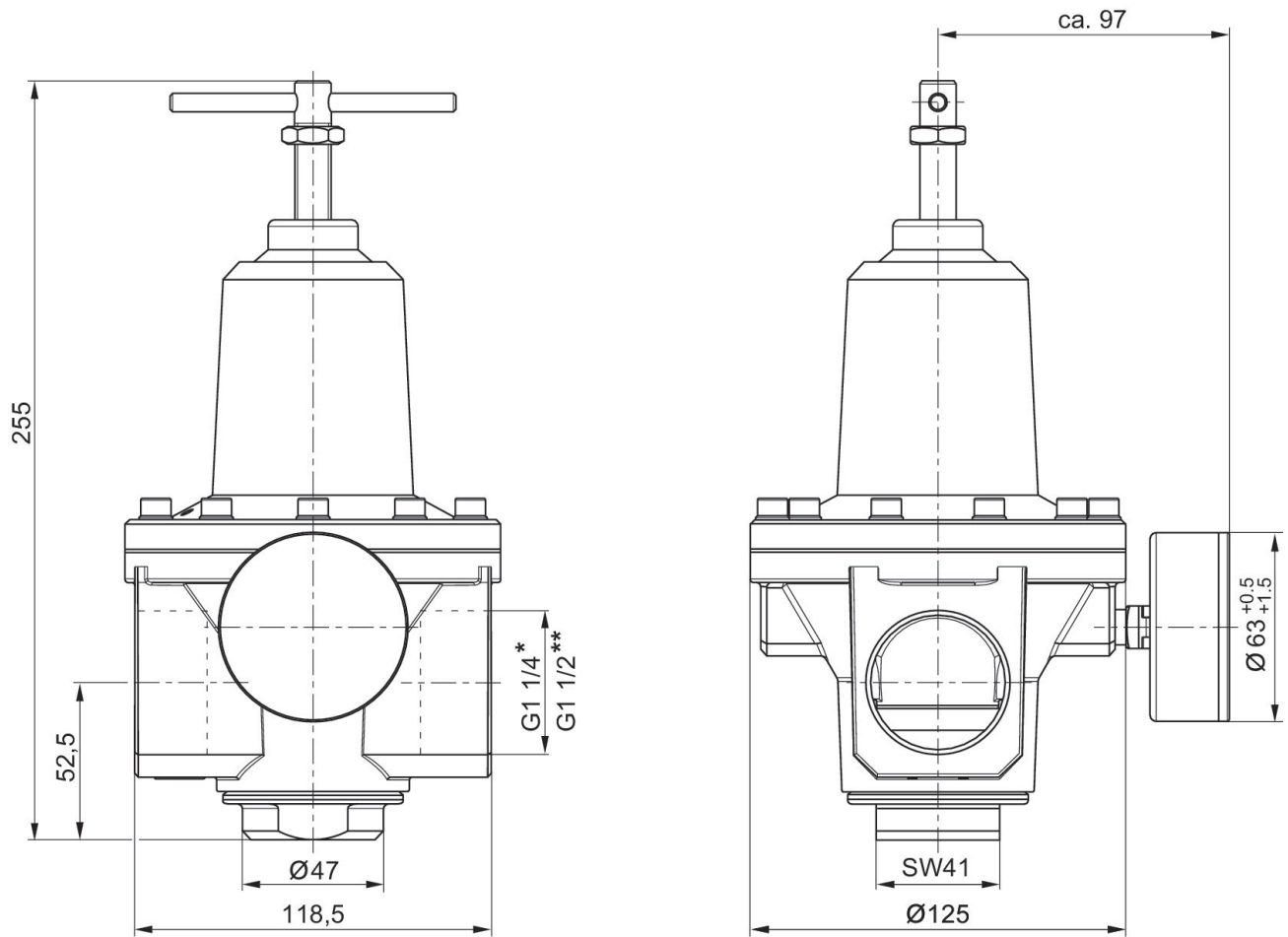
## Technical information

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

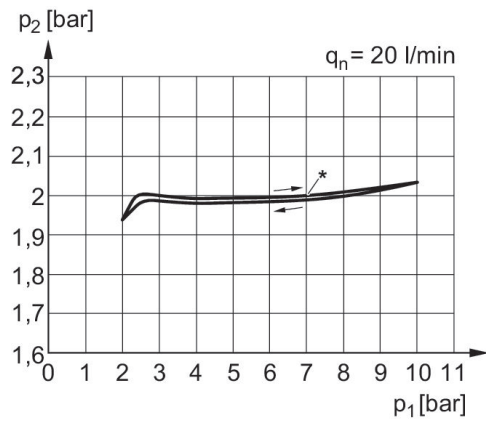
Nominal flow  $Q_n$  with secondary pressure  $p_2 = 6$  bar at  $\Delta p = 1$  bar

mounting: mounting bracket R412004873 or installation in piping

## Dimensions

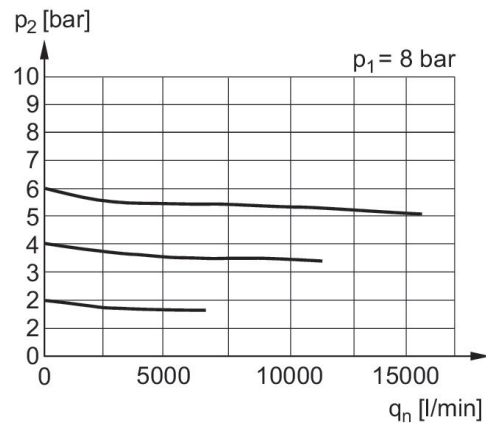


### Pressure characteristics curve



$p_1$  = Working pressure  
 $p_2$  = Secondary pressure  
 $q$  = flow rate  
\* starting point

### Flow rate characteristic (secondary range $p_2$ : 0.5 - 10 bar)



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