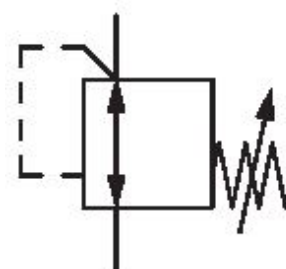


Pressure regulator, Series MU1-RGS

R412007781

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

Note

Medium: oxygen
Compressed air
Neutral gases

Function

Standard pressure regulator

Parts

Pressure regulator

Pressure gauge

without pressure gauge

Mounting orientation

Any

Regulator type

Diaphragm-type pressure regulator

Port

G 1/4

Nominal flow Qn

450 l/min

Regulation range min.

0.4 bar

Regulation range max.

10 bar

Working pressure min.	0.5 bar
Working pressure max	14 bar
Min. ambient temperature	-10 °C
Max. ambient temperature	50 °C
Activation	Mechanical
Regulator function	Without relieving exhaust
Pressure supply	single
Medium	Compressed air Neutral gases Oxygen
Weight	0.35 kg

Material

Housing material	Brass
Seal material	Acrylonitrile butadiene rubber
Part No.	R412007781

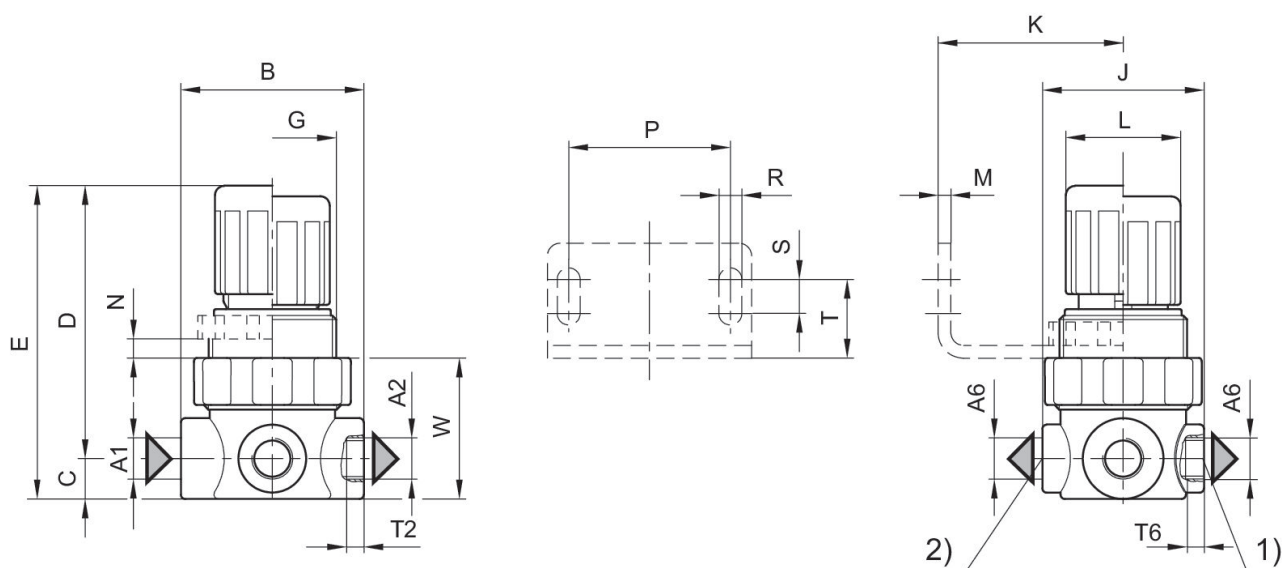
Technical information

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 with mounting bracket 1821331013

Dimensions



1) Pressure gauge connection

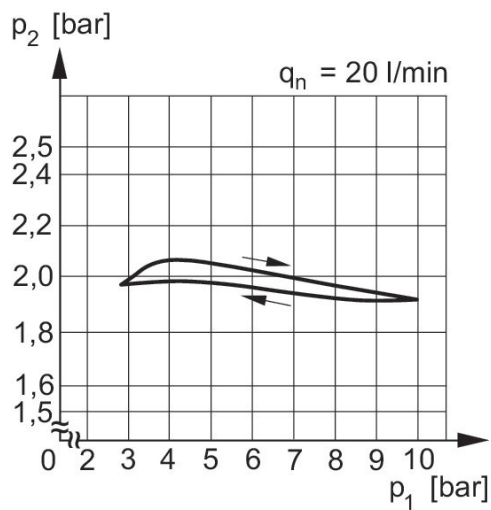
2) Pressure gauge connection closed

	A1	A2	A6	B	C	D	E	G	J
R412007781	G 1/4	G 1/4	G 1/8	43	9.5	61	70.5	M30x1,5	38

	K	L	M	N	P	R	S	T	T2
R412007781	40	27	3	5	38	5.4	8	18.5	8

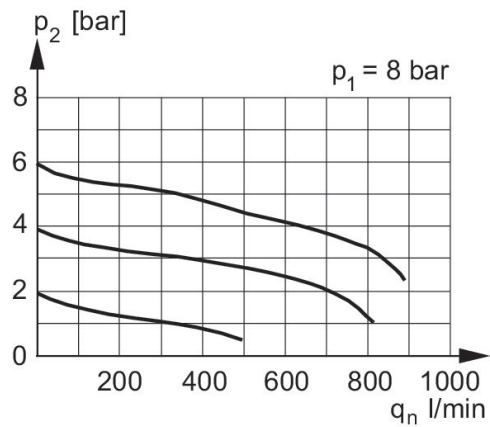
	T6	W
R412007781	8	33

Pressure characteristics curve



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

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



p_2 = Secondary pressure
 p_2 = Secondary pressure
 q_n = Nominal flow