#### **AVENTICS Series NL4 Air Preparation** Units

The AVENTICS Series NL maintenance units are suitable for all areas: as individual components or as assembled maintenance units, for centralized or decentralized compressed air preparation, in compact or powerful versions, for use in high or low temperatures. This line offers a complete, customizable compressed air preparation technology. It includes an option to combine every component in the Series to achieve the desired function, making it possible to adjust the components precisely to the application requirements.



#### **Technical data** Industry Function Parts

Pressure gauge Mounting orientation Regulator type Port Nominal flow Qn Min. regulation range Max. regulation range Min. working pressure Max. working pressure Min. ambient temperature Max. ambient temperature Activation **Regulator function** Regulator type Pressure supply Lock type

### Industrial Precision pressure regulator Precision pressure regulator with continuous pressure supply without pressure gauge Any Diaphragm-type pressure regulator G 1/2 5600 l/min 0.1 bar 3 bar 0.5 bar 16 bar -10 °C 60 °C Mechanical with relieving air exhaust Can be assembled into blocks double not lockable



with continuous pressure supply
2.6 l/min
40 mm
Compressed air Neutral gases
5 µm
0.867 kg
Die cast zinc
Acrylonitrile butadiene styrene
Acrylonitrile butadiene rubber
0821302524

#### **Technical information**

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

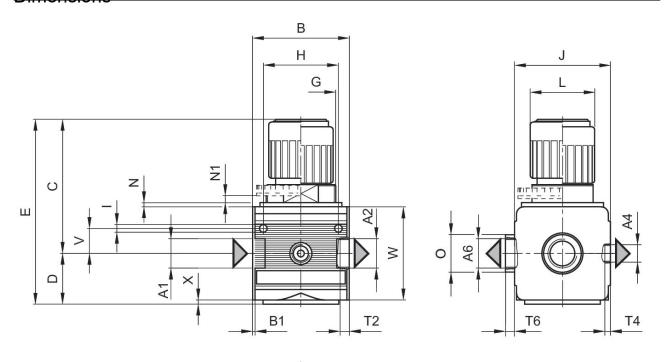
Nominal flow Qn with secondary pressure p2 = 6 bar at  $\Delta p = 1$  bar

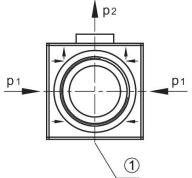
The rear pressure gauge connection on the pressure regulator is closed with a blanking plug, the front connection is open. Depending on the customer application, a second blanking plug may be necessary. Please order separately (see accessories).

Order pressure gauge separately



0821302524 Dimensions





A1 = input A2 = output

A4 = output

A6 = output 1) Pressure gauge connection p1 = Working pressure p2 = Secondary pressure

### Dimensions in mm

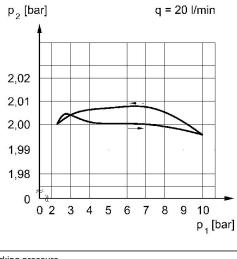
Part No.	A1	A2	A4	A6	В	B1	С	D	E
0821302524	G 1/2	G 1/2	G 1/4	G 1/2	69.6	1.8	97	35.5	132.5
0821302525	G 1/2	G 1/2	G 1/4	G 1/2	69.6	1.8	97	35.5	132.5
0821302526	G 1/2	G 1/2	G 1/4	G 1/2	69.6	1.8	97	35.5	132.5
Part No.	G	н				Ν	N1	0	T2
0821302524	M50x1,5	54	5.5	69	46	3	5.5	27	13
0821302525	M50x1,5	54	5.5	69	46	3	5.5	27	13





08213025	24								
Part No.	G	н	l I	J	L	N	N1	0	T2
0821302526	M50x1,5	54	5.5	69	46	3	5.5	27	13
Part No.	T4	T6		W	Х				
0821302524	7	6	18	67	2				
0821302525	7	6	18	67	2				
0821302526	7	6	18	67	2				

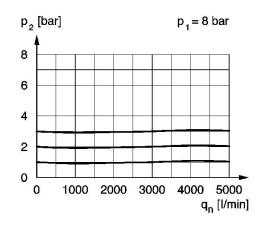
### Pressure characteristics curve



p1 = Working pressure p2 = Secondary pressure

q = flow rate

Flow rate characteristic, p2 = 0.05 - 7bar

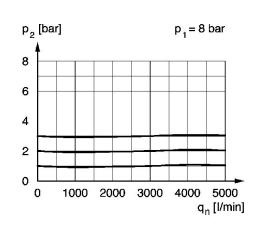


p2 = 0,2 - 6 bar

p2 = Secondary pressure

qn = Nominal flow

Flow rate characteristic, p2 = 0.05 - 7bar

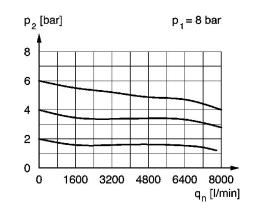


p2 = 0,1 - 3 bar

p1 = Working pressure

p2 = Secondary pressure qn = Nominal flow





p2 = 0,5 - 10 bar

p1 = Working pressure

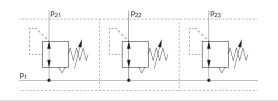
p2 = Secondary pressure

qn = Nominal flow



p1 = Working pressure

0821302524 Application example



p1 = Working pressure

