

Pressure-Reducing Station with Manometer



In most laboratories, the gas supply is conducted through a central distribution system (line, taps) or through gas steel cylinders on a pressure level of 10 barg or higher. We recommend using one of the following pressure reducing stations for Nisco's units depending on the application or an equivalent device.

Output press. range	Art. number	Used
0.1-10 barg	A-00757	Pressure reduction
0.05-4 barg	A-00758	J1/Air jet accelerator, Stainless steel addition tanks (*)
0.05-2.5 barg	A-00759	Stainless steel addition tanks (*)
0.05-0.7 barg	A-00760	Stainless steel addition tanks / glass flask addition systems (*)

* for pressurised feeding systems

The device consists of:

- Precision low pressure regulator
- Precision pressure gauge
- 12 mm bar for fixation

Precision Low Pressure Regulator

Design regulating valve	precision diaphragm
Type of regulation	indirect
Regular function	output pressure constant
Behaviour during flow reversal	secondary exhaust
Modular design	yes
Input pressure 1 min.	1 bar
Input pressure 1 max.	12 bar
Air connection type 1	female thread
Thread for port 1	G 1/4
Air connection type 2	female thread
Thread for port 2	G 1/4
Installation position	any
Type of mounting	front/line/bracket
Min. ambient temperature	-10 °C
Max. ambient temperature	60 °C
Min. medium temperature	-10 °C
Max. medium temperature	60 °C
Pressure hysteresis	0.02 bar
Actuator locking	pull-up-&-turn adjustment
Pressure gauge yes/no	no
No. of pressure gauge	1
Connections	
Connector thread for pressure gauges	G 1/8
Material of housing	aluminium
Material of seals	NBR
Product weight	0.38 kg
Standard nominal flow rate Medium	2000 l/min compressed air, filtered 40 µm, unlubricated

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Precision Pressure Gauge

Cyclic load factor	0.66
Continuous load factor	0.75
Indicating range up to	6 bar
Measurement precision Class	1.6 ---
Type of mounting	directly to port
Min. ambient temperature	-20 °C
Max. ambient temperature	60 °C
Min. medium temperature	-20 °C
Max. medium temperature	60 °C
Air connection type	male thread
Connector thread	R 1/8
Nominal size, pressure gauge	40
Width across flats	14 mm
Material of housing	ABS
Inspection window material	PS
Connector pin material	brass
Product weight	0.06 kg
Standard/technical rule	EN 837-1