

Pressure-Reducing Station with Manometer



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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.

For the supply of the coaxial airflow for the Var J1 or the airjet accelerator of the single nozzle electromagnetic units (Var A, B, D), we need a very precise pressure on a lower level. Thus, we recommend the use of the following pressure-reducing station or an equivalent device.

The device consists of

- Precision Low Pressure Regulator
- Precision Pressure Gauge

Precision Low Pressure Regulator

Nisco Article No. PE-00756

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
Output pressure 2 min.	0.05 bar
Output pressure 2 max.	4 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	
Connections	1
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



Precision Pressure Gauge (PI 800)

Nisco Article No. PE-00757

Cyclic load factor	0.66
Continuous load factor	0.75
Indicating range up to	6 bar
Indicating range from	psi
Indicating range up to	87 psi
Scale indication	1 psi
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 Medium	EN 837-1 Gaseous media & neutral liquids
Protection class	IP43