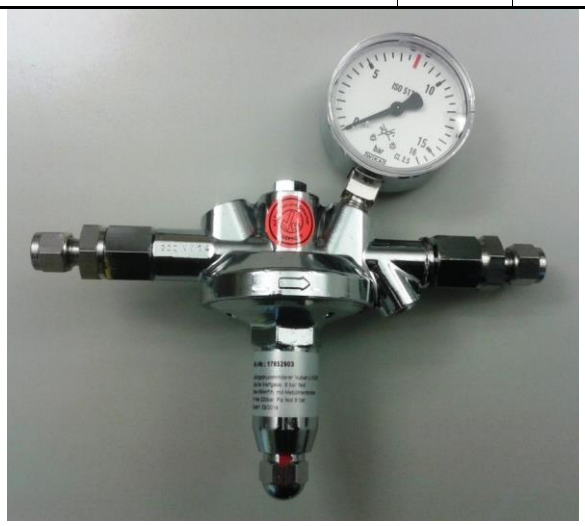
PED-category: SEP	**Pressure reducer (L10/200 LabLine)** **8 bar output** **PRED-200 8**		**Index**	**Description**	**Date**
Fluid group: 2					01.06.13
Product line Sinorix ™			a	CO2 gaseous	18.05.18
SAP A5Q00060861			b	EN562-> ISO 5171	18.11.19
	2014/68/EU				



Technical data

OEM type	17652904
agent (gaseous form)	N2, Ar, CO2, compressed air
outlet pressure range	8 bar, factory adjusted
operation inlet pressure	max 250bar
safety valve release pressure	12-13 bar
flow	45 Nm^3/h bei 10bar
inlet G1	L8 mm two ferrule compression type fitting (Swagelok), stainless steel
outlet G2	L8 mm two ferrule compression type fitting (Swagelok), stainless steel
pressure gauge inlet	none
pressure gauge outlet	0-16 / 8 bar (ISO 5171), class 2.5
weight	1.5 kg
dimensions	200 x 190 x 75 mm
marking	N200MJJ (MJJ = manufacturing date)
operating temperature	-20°C to +50°C, non-condensing
storage and transportation temperature	-40°C to +65°C, non-condensing
material	
membrane	metallmembrane SS321 (1.4541), chrome-plated
valve body	brass chrome-plated

This pressure reducer is based on model A5Q00036889 (13-01-950).

Usage

This pressure reducer may be used for selector valves with (blue) drive gear type Airtorque AT only.
It reduces the control cylinder pressure to 8bar.

Installation

Warning!
Do not use oil or grease with this product.

Ensure the pilot cylinder valve is isolated (e.g. remove the solenoid from the cylinder valve) before installing and adjusting the pressure regulator.

CO2 pilot cylinder always without diptube. Inlet from CO2 distribution pipe network to extinguishing nozzles forbidden.

Fit the pressure regulator to a solid vibrations free surface close to the pilot cylinder ensuring that the inlet port is orientated towards the pilot cylinder. Use pipe clamps (STAUFF) to fix the tube just before the inlet connection and just after the outlet connection.

Warning!
All flexible hoses and any fittings which may have been exposed to contamination by particulate matter must be blown through with dry gas before assembly.

1. Remove protective plugs from the pressure ports.
2. Fit the adapter and hose to the inlet port of the pressure reduction station.
3. Connect the hose to the pilot cylinder.

Setting the outlet pressure

It is not necessary to adjust the output pressure because it is already factory set to 8 bar.
But it can be checked as follows:

Ensure that the test cylinder has a hand valve and the cylinder pressure is equal to the pilot cylinder.

1. Connect a pilot tubing to the outlet port of the pressure reduction regulator and close it.
2. Secure the test cylinder and briefly open the hand valve without connecting it to the pressure regulator. (to be sure there will be no dirt into the pressure regulator)
3. Connect the test cylinder to the pressure regulator high pressure inlet.
4. Slowly open the test cylinder valve.
5. Close the test cylinder valve.
6. Vent the connecting hose and any other devices fitted between the pressure regulator and the test cylinder.
7. Disconnect the test equipment from the pressure regulator.
8. Refit the hose from the pilot cylinder.

Maintenance

Setting the outlet pressure

It is recommended that the output pressure is tested with the use of a test cylinder, as follows:

Ensure that the test cylinder has a hand valve and the cylinder pressure is equal to the pilot cylinder.

Spare parts:

The regulators are maintenance free.
In case of leakage tighten the connections or change the complete regulator.
After an extinguishing release check the internal filter.

The frequency of the product inspection is subject to applicable local regulations. For more information, refer to the maintenance documentation.

Every 10 years

- Replace the pressure reducer.

Replace more frequently if so required according to local regulations or environmental conditions.