STAINELESS STEEL
END OF LINE PRESSURE SWITCH

END OF LINE PRESSURE SWITCH WITH STAINLESS STEEL BOX

CHARACTERISTICS

- **ELECTRICAL CONNECTIONS:** TERMINAL BOARD
- **PRESSURE ADJUSTMENT:** 30-330 bar (435 - 4786 PSI)
- **MICRO-SWITCH FEATURES:** 250V ac. 15A life expectancy 10^6 cycles

  TEMPERATURE RANGE: -10°C a +85°C (14 °F - 185 °F)
- **OPERATING DIFFERENTIAL PRESSURE*:** 16-20 bar (232 - 290 PSI)

* Operating differential pressure = difference of pressure necessary to obtain the change of micro-switch contacts

APPLICATIONS

- **CONTROL FOR EXTENSIVE LINE LUBRICATION**
- **CORROSIVE ENVIRONMENTS**

This end of line pressure switch guarantees the correct operating pressure and the line inversion in dual line installations.
When lubricant pressure in the line reaches the pre-set value, the pressure switch controls, through the electric or electronic equipment, the lighting of a lamp and, if the installation is equipped with an electric controlled line pressure inverter, it drives the line inversion.

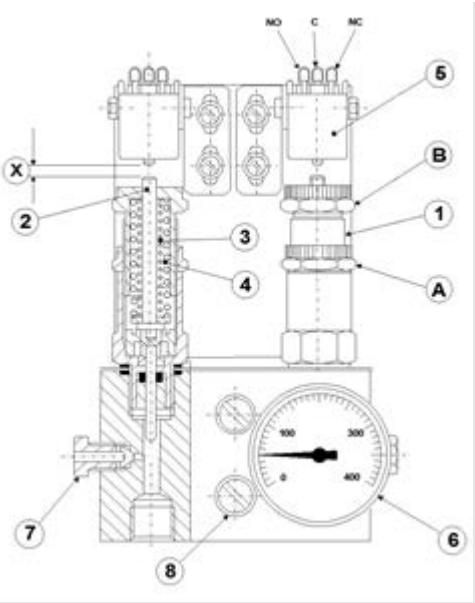
The end of line pressure switch comprises of:

- **1 STURDY BLOCK WITH 2 1/4 BSP INLET PORTS**
- **2 MICRO-SWITCHES**
- **2 PRESSURE ADJUSTMENT VALVES**
- **2 PRESSURE GAUGES**
- **2 AIR BLEED VALVES**

Part Number
1124459

INSTALLATION/OPERATION:

When lubricant pressure in the line connected to the pump, reaches the pre-set value on the pressure adjusting valve **1**, piston **2**, moves up to close the contact of micro-switch **5** which signals, through the lamp of the electric panel, the inversion of the line under pressure.
For dual line installations with an electrically controlled inverter, micro-switch **5** also commands the inversion of pressurization of the lines



Note: A red alarm lamp signals any malfunction of the end of line pressure switch.

The next lubrication cycle inversion will occur in the same way as described above. The lubricant pressure in the line now connected to the pump reaches the pre-set value on the other pressure adjusting valve. The pressure in the previously pressurized line is released.
This release pressure must be equal to the operating differential pressure in order to guarantee the correct delivery of lubricant from the metering valves.

The operating differential pressure is the difference in pressure necessary to open the contact of micro-switch **5**, and depends on distance **X** between piston **2** and micro-switch **5**, which must be 3,3 mm.

ADJUSTMENT VALVE SETTING

Loosen nut **A**.

1. Turn adjusting nut **B** until the desired setting value is obtained (check that the pump is operating at the correct pressure by means of the pressure gauge and verify with an Ohmmeter the change of contacts in the micro-switch).
2. Tighten nut **A**.
3. Repeat the same operation on the valve that controls the other lubrication line.

Note: by dismounting spring 4, maximum adjusting pressure will be 100 bar. In this case we advise the use of pressure gauge **Part No. 20606** (scale from 0 to 250 bar).

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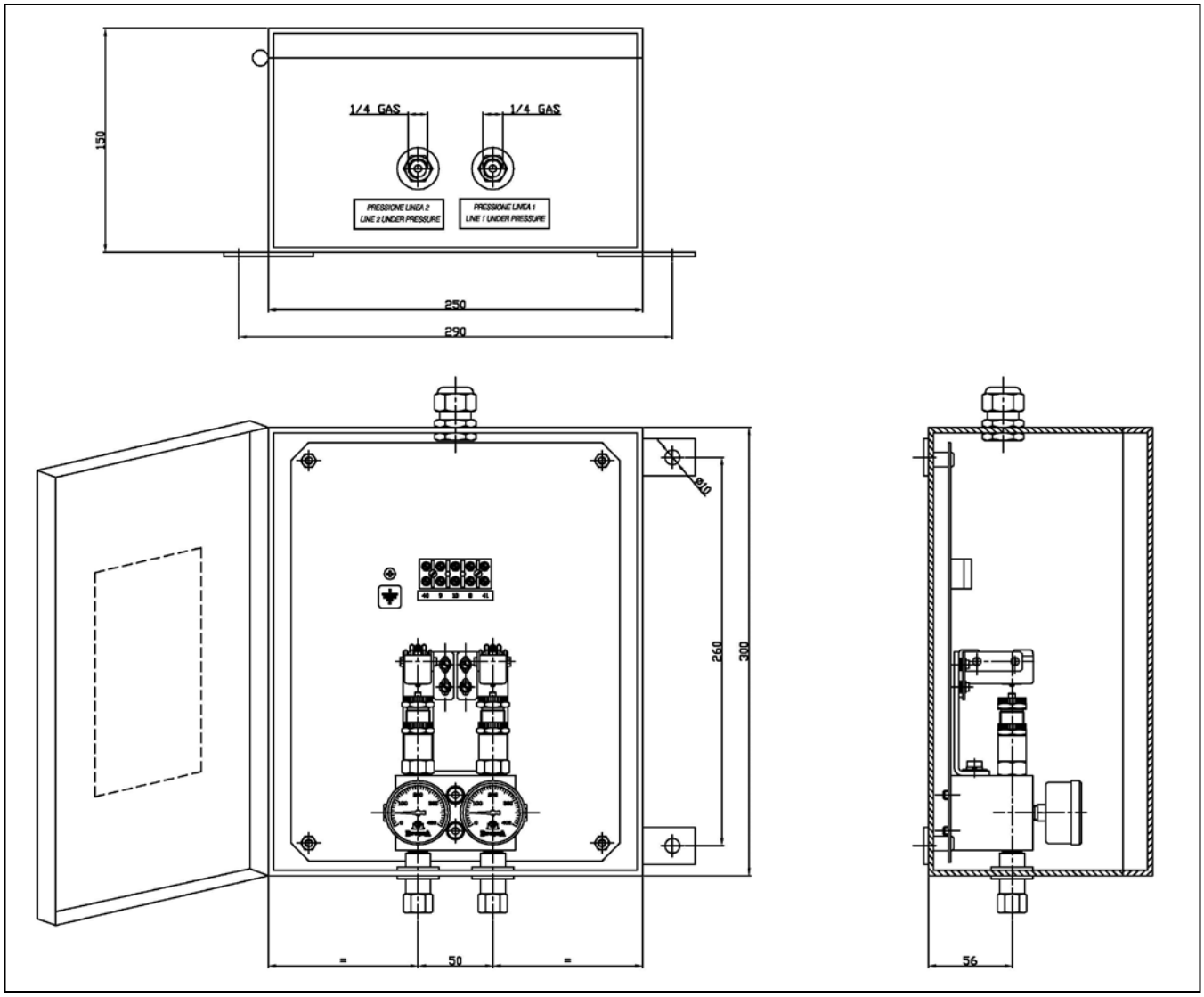
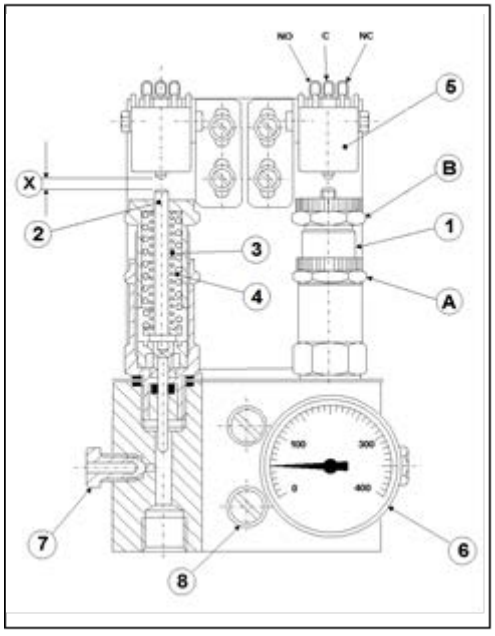
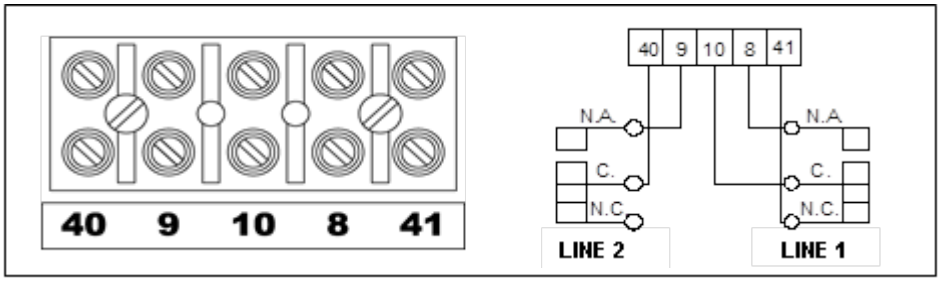
DIMENSIONS (NOT TO SCALE)





PRESSURE SWITCH ELECTRICAL CONNECTIONS



SPARE PARTS

Description	Part No.	Description	Part No.
Adjusting valve assembly	**1124430**	Micro-switch	**0038041**
Piston	**1124423**	Pressure gauge (0 to 400 bar)	**0020604**
Spring	**3191222**	Air bleed screw	**3230103**
Spring	**3191223**	Screws	**0012707**

Distributor info: