

DIFFERENTIAL PRESSURE GAUGES FOR CLEAN ROOMS

GENERAL SPECIFICATIONS

The high- and low-pressure chambers are separated by a sensing assembly consisting of a magnet, diaphragm and spring, the difference in pressures causing the sensing assembly to move proportionally through spring resistance.

A rotating magnet located in an isolated body of the pressure chamber rotates because of the linear movement of the magnet of the sensor assembly, an indicator needle coupled to the rotating magnet indicates the pressure differential in the sphere.

Switch operation: one read sensor

It is placed adjacent to the pressure chamber, and it is activated by the sensor assembly magnet.

The instruments are calibrated with a maximum error of +/- 3% of the full scale in ascending readings.

Caution: Do not exceed the maximum pressure indicated on the instrument label, the differential is for use only with air or compatible gases, they should not be mounted in places where the instruments may have vibration.

The best installation is to place the differential horizontally keeping the sphere vertical

They should never exceed 35 psi or 2.4 bar in operating pressure, nor should they exceed 60°C, otherwise the seals and diaphragms may be damaged.



TECHNICAL CHARACTERISTICS

Working ranges:

From 0...25 mmH₂O to 0...1250 mm H₂O

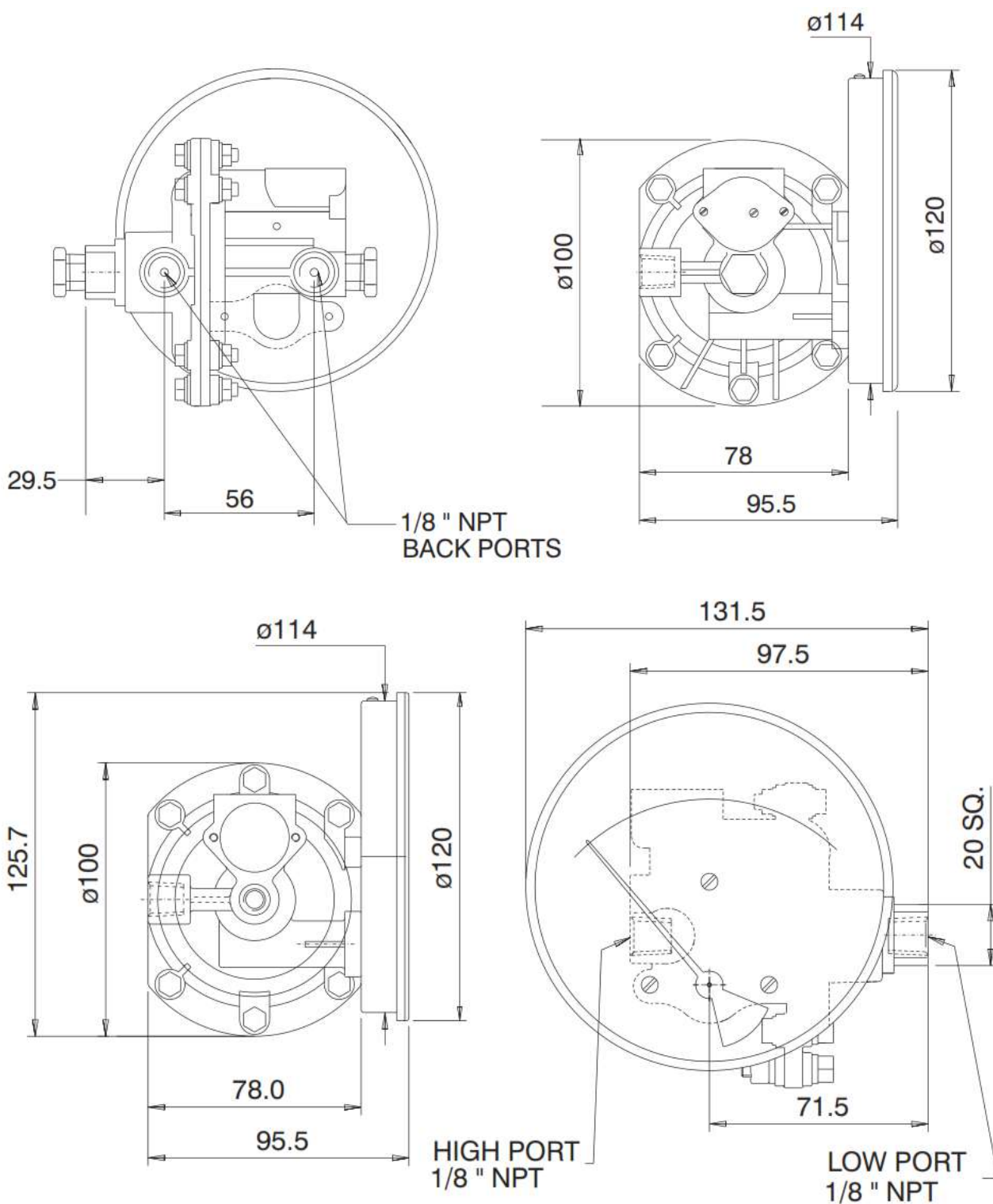
Accuracy	+/- 3% of full scale (going up)
Wet parts	Diaphragm, body, 302 stainless steel spring, and ceramic magnet
Case material	Stainless steel 304
Maximum working pressure	2,4 bar / 35 psi
Maximum process temperature	From 0 to 60°C (from 32 to 140°F)
Body material	Technical polymer
Diaphragm	Buna-N, Viton, EPDM
Window	Glass, on request tempered glass and acrylic
Connexions	1/8" NPT female
Protection degree	IP 65 / NEMA - 4

This publication is not intended to lay the foundations of a contract and the company reserves the right to alter without notice the design and specifications of instruments, in accordance with its policy of continuous development

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