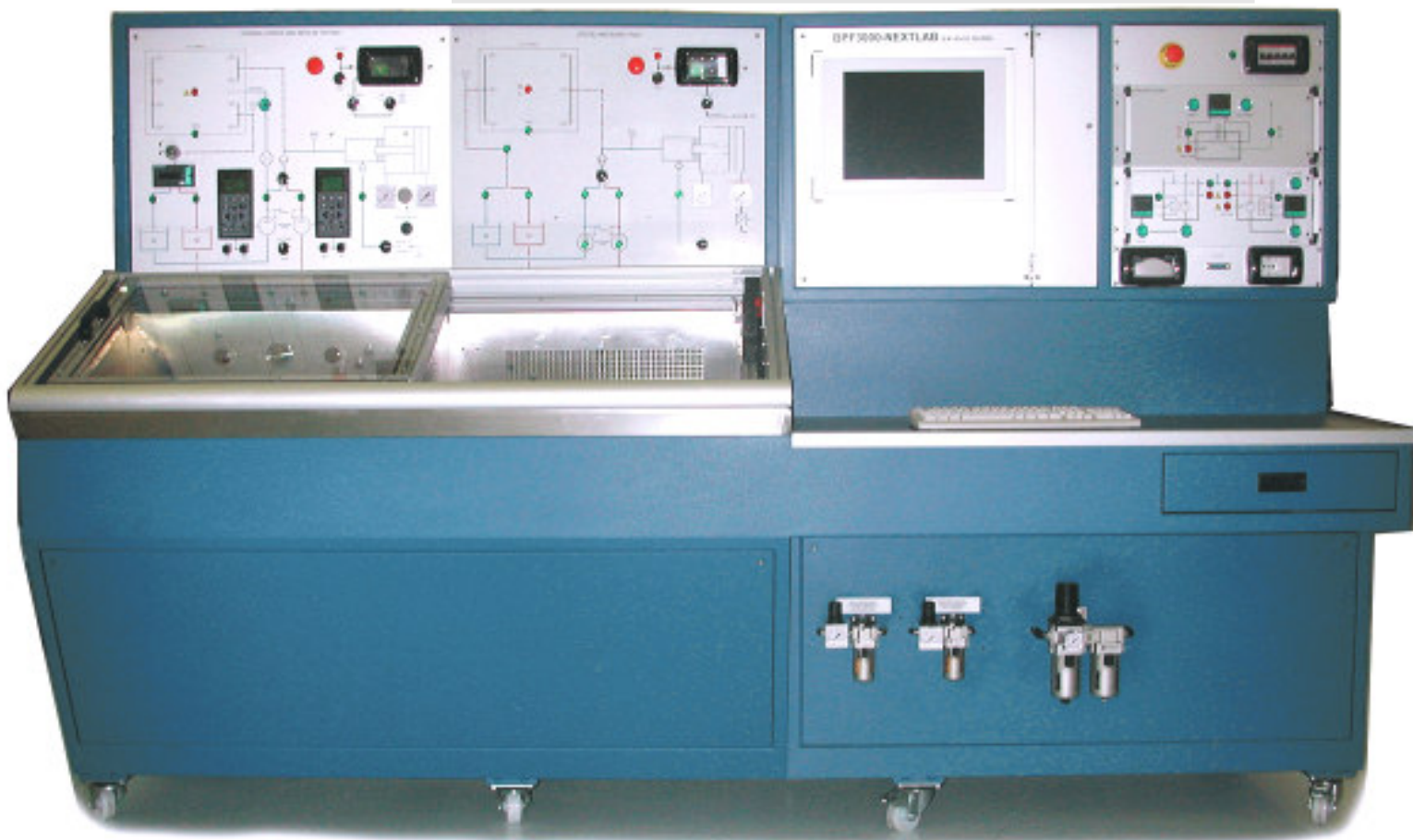


BPF-3000

TESTING UNIT FOR FLEXIBLE TUBES

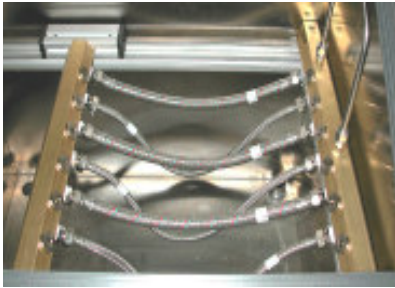


Application:

Test on flexible and rigid tubes, pipe fittings and hydraulic components. Leak, bomb and thermal stress tests in compliance with the most important international standards: NF, KIWA, EN, UNI, DVGW, PRN, ASSE, CEI.

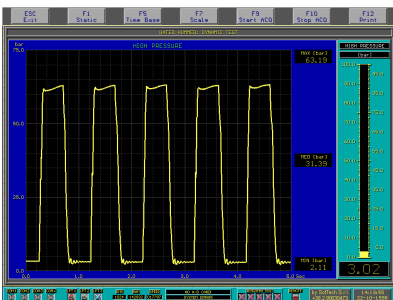
BPF-3000

TESTING UNIT FOR FLEXIBLE TUBES



NEXTLAB SYSTEM

- . Integrated workstation with video LCD TFT 15" and Pentium processor
- . NextLab software package (pre-installed) with acquisition engine and applications; customisable printing with master data
- . B & W Laser Printer



The bench allows the user to test both flexible and rigid tubes, pipe fittings and hydraulic components by carrying out leak, bomb and thermal stress tests in compliance with the most important international standards: NF, KIWA, EN, UNI, DVGW, PRN, ASSE, CEI.

All tests can be carried out either manually or automatically using a PC and displaying in real time all the involved dimensions.

APPLICATION

- A) Hydraulic tests (static sealing, pulsating pressure, water hammer and bomb test with flexible tube filled with water at a temperature adjustable between ambient temperature and 95 °C)
Air temperature in the test room: adjustable up to 100 °C
Max. operating pressure: 200 bar.
- B) Thermal stress tests carried out using cold and hot water alternatively (temperature: 20 ± 5 °C or 90 ± 5 °C)
Circulating water pressure is adjustable (1-14 bar). It can be varied according to a sine curve.
- C) Combined water hammer and thermal stress tests carried out with circulating water at a constant pressure with pressure pulse adding to network pressure.

ACQUISITION SYSTEM

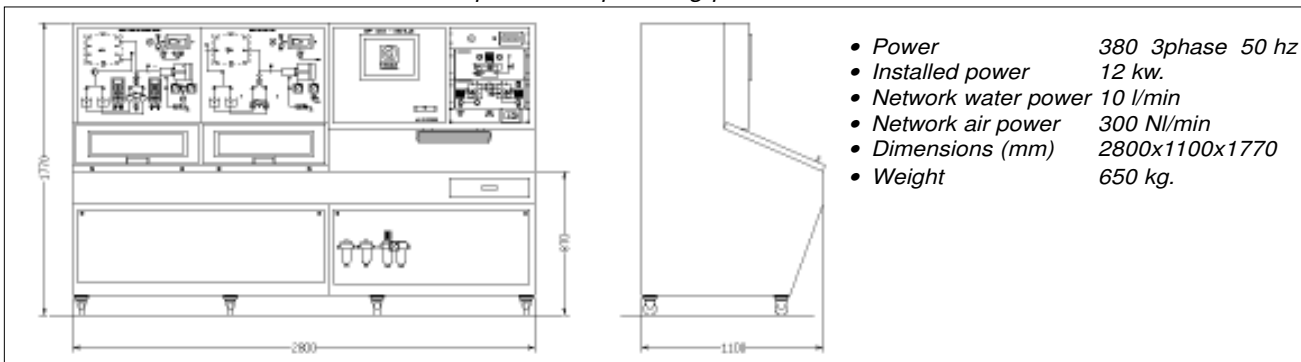
High precision and high dynamic response measurement transducers, coupled to an acquisition card and a processor able to manage -in real time and on 8 independent channels- up to 100,000 measurements per second

INSTALLED DEVICES

- thermostatic tanks with cold and hot water and temperature check devices
- pressurisation and water-mixing pumps with inverter command device
- pneumo-hydraulic pressure intensifiers
- test rooms with multiple collector and air temperature check
- high precision and high dynamic response transducers

TECHNICAL DATA

- | | |
|---|---------------------------------|
| • Mixing water temperature | amb. ÷ 90 ± 5 °C prec. ± 0,5 °C |
| • Test room water temperature | amb. ÷ 100 ± 5 °C " ± 2 °C |
| • Test pulsating pressure (flowing water) | 1 ÷ 14 bar ± 0,5 bar |
| • Multi-stage pump flow rate | 10 ÷ 40 litres |
| • Closed circuit static pressure | 1 ÷ 200 bar ± 0,2 % |
| • Closed circuit pulsating pressure | 1 ÷ 100 bar ± 0,2 % |
| • Open circuit pulsating pressure | 1 ÷ 50 bar |



- Power 380 3phase 50 hz
- Installed power 12 kw.
- Network water power 10 l/min
- Network air power 300 Nl/min
- Dimensions (mm) 2800x1100x1770
- Weight 650 kg.

Specifications may change without notice



ISO 9001
CERT. N° 9115 GIU1



GIUSSANI S.r.l.

Via dei Crederi, 411
24045 Fara Gera d'Adda (BG) - Italy
Tel. 0363/399019 - Fax 0363/398725
www.giussanionline.it
e-mail info@giussanionline.it



CERTIFICATION

All instruments have got a testing, stability and precision certification with reference to primary SIT samples

A QUESTION OF CALIBRATION