

DATA SHEET

Air/Water Pressure System and Control Panels



28-WF4320

General description

Bladder air/water pressure cylinders

The Bladder air/water cylinders are used to deliver pressurized water up to 1000 kPa to triaxial cells by the pressure distribution panels. The main advantages from using this apparatus are:

- High degree of accuracy
- Extremely simple to operate
- Future expansion of system very easy and relatively low cost
- Bladder enables the use of de-aired water
- Large reservoir to cope with long term tests and large samples

The cell, made from transparent acrylic tube, flanged between two light alloy discs, incorporate a rubber membrane and can operate continuously at a pressures up to 1000 kPa. The unit acts as a reservoir/interface between compressed air, used as a pressure source and water used as the pressurizing medium in the triaxial cell. The Bladder air/water cylinders have to be completed with the 28-WF4330 or 28-WF4331 two or three lines distribution panel depending on the application.

- Dimensions: 178 mm dia. x 410 mm high
- Weight approx.: 5.8 kg

Pressure distribution panels

Two models available: 28-WF4330 for two pressure lines and 28-WF4331 for three pressure lines. They include precision air regulators, pressure outlets and quick release fittings.

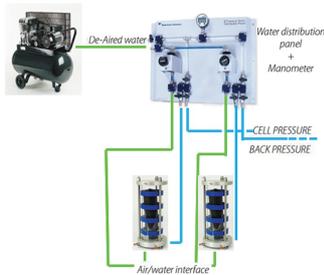
They have to be completed with a digital gauge (see accessories, model 28-WF4330/2).

- Dimensions/weight approx.:
510x454x184 mm (28-WF4330)/10 kg
690x454x184 mm (28-WF4331)/15 kg

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28-WF4331 with digital pressure gauge 28-WF4330/2



Typical layout with air water interface system

Products

28-WF4320

Bladder air/water interface with 1000kPa banded chamber.

28-WF4330

Triaxial panel two way, air regulators, pressure gauge outlets for two pressures

28-WF4331

Triaxial panel 3 way, air regulators, pressure gauge outlets for 3 pressures

Accessories and consumables

28-WF0490

Nylon tubing 4 x 6 mm dia 20 m coil

28-WF4320/1

Spare membrane for 28-WF4320 bladder

28-WF4330/2

Digital pressure gauge, range 0-2000kPa x 1kPa division

28-WF4330/3

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Pressure regulator 180 psi 1250 kPa with fittings for 8mm outside diameter tube

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Laboratory air compressor. 8 BAR max constant pressure. 230V/50Hz/1Ph