

## **Air/Water pressure system and controls panels**

### 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

## **ORDERING INFO**

#### **28-WF4320**

Bladder air/water pressure cylinder

#### **28-WF4330**

Two lines pressure distribution panel, complete with air regulators and pressure outlets.

#### **28-WF4331**

Three lines pressure distribution panel, complete with air regulators and pressure outlets.

## DATA SHEET

### ACCESSORIES

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#### Bladder air/water pressure cylinders

**28-WF4191**

Nylon tubing 8x6 mm dia. 10 m coil

**28-WF0490**

Nylon tubing 6x4 mm dia. 20 m coil

**86-D2015**

Laboratory air compressor, 10 bar max. pressure, 50 l cap. 230 V, 50 Hz, 1 ph

**28-WF2016/2**

Air filter/water trap for air compressors

**28-WF4320/1**

Spare rubber membrane for 28-WF4320 Bladder

#### Pressure distribution panels

**28-WF4330/2**

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

**28-WF4330/3**

Spare air pressure regulator, 150 p.s.i., 1000 kPa, with fittings for 8 mm dia. OD tube.

Note: Digital gauge can be supplied, on request, with traceable calibration certificate. The models are identified adding the suffix Cat the end of the code number. Ex. 28-WF4330/2C



28-WF4320

## DATA SHEET



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