



## COMPRESSOR

AF27A

Air Compressor and Receiver for use with the AF27 Laval Nozzle flow Apparatus.



### COMPRESSOR KEY FEATURES

- 5 m hose with 3/4 BSP female connections to connect to Air receiver.
- Filtered air supply
- 8 bar free air delivery of 150 m<sup>3</sup>.hr<sup>-1</sup>

### AIR RECEIVER KEY FEATURES

- Volume 325 - 375 litres
- 5 m long flexible hose for connection to AF27



# COMPRESSOR

**VDAS**® AF27A

## DESCRIPTION

The AF27a Compressor is made of two parts:

- The Compressor
- The Receiver

The Compressor is an electric air pump that sucks air in through a filter and compresses it. It forces the compressed air into a receiver that stores the compressed air and dampens any 'pulses' in the air flow from the compressor. The receiver includes a pressure gauge, a relief valve and two air filters - a 'pre' filter and an 'after' filter. The pressure gauge may have a 'U' shape trap if it has a bottom connection.

## STANDARD FEATURES

- Supplied with comprehensive user guide
- Five-year warranty
- Made in accordance with the latest European Union directives
- An ISO 9001 certified company

## ANCILLARY FOR

- Laval Nozzle pressure Apparatus (AF27)

## ESSENTIAL SERVICES

### ELECTRICAL SUPPLY:

3 Phase, 415 VAC, 50 Hz, 29A

### FLOOR SPACE NEEDED:

Nominally 1 m x 0.8 m for the Compressor

Nominally 0.8 m x 0.8 m for the Receiver

### ADDITIONAL SPACE NEEDED IF USING WITH (AF27)

3.9 m x 2 m for the Nozzle Flow Apparatus (AF27)  
(including 1 m of free space in front of outlet)

## OPERATING CONDITIONS

### OPERATING ENVIRONMENT:

Laboratory

### STORAGE TEMPERATURE RANGE:

-25°C to +55°C (when packed for transport)

### OPERATING TEMPERATURE RANGE:

+5°C to +40°C

### OPERATING RELATIVE HUMIDITY RANGE:

30% to 95% (non-condensing)

## SPECIFICATIONS

TecEquipment is committed to a programme of continuous improvement; hence we reserve the right to alter the design and product specification without prior notice.

### DIMENSIONS AND WEIGHT:

#### COMPRESSOR:

657 mm (length), 574.5 mm (width), 1255 mm

(height) 287 kg (weight)

#### RECEIVER

502 mm (diameter), 2060 mm (height), 180 kg (weight)