

**Cylinder drying device BTG**  
(EN ISO 12100-1, EN ISO 12100-2, EN 60204)

Art.-No. 186532



Side channel compressor: 230 V, 50 Hz, 0.75 kW, 2840 rpm. Air heater, adjustable: 230 V, 50 Hz, 2.2 kW 5 m cable feed line H07RN-F 3 G 1.5 mm<sup>2</sup>, oil and acid resistant. **Dimensions:** Height [mm]: 860, Width [mm]: 1340, Depth [mm]: 370. **Weight [kg]:** 55. Aluminium profile frame Collecting tank with draw-off tap: hot-dip galvanized.



## Water jacket testing system Professional 2

### Volumetric hydrotesting up to 500 bar

#### STRENGTHS AT A GLANCE

- WITH OWN TEST PRESSURE GENERATOR, OR FOR CONNECTION TO THE 500 BAR PRESSURE GENERATOR OF AN HTG 500
- HIGH-GRADE STEEL CABINET WITH 2 TEST TANKS (Ø 150 AND 240 MM)

• Art.-No. 186615 The water jacket testing system Professional 2 is used to test the expansion of composite compressed gas cylinders under pressure.

#### Water jacket testing system Professional 2

The **water jacket testing system Professional 2** can subject composite compressed gas cylinders up to 10 L with the prescribed volumetric hydrotest. The water jacket testing method is a volumetric hydro-test of the expansion of a compressed gas cylinder under pressure, where the expansion is measured by way of the water surrounding the cylinder („water jacket“). After the cylinder data are recorded by the computer, the compressed gas cylinder is completely filled with water and connected to the test hose where it is easily lowered by counterweight into the

#### Pressure generator (optional)

• The optional pressure generator with compressed air operated testing pump enables the continuous adjustment of the required water test pressure up to 450 bar, which can be read at the manometer.



test tank corresponding to the cylinder diameter. The test tank is filled with water to the neck of the cylinder to be tested. The computer shows the deviation from the correct fill level. Now the measurement procedure can be started through drift calculation and zero setting. The operating pressure of the cylinder (e.g. 300 bar) is first adjusted at the pressure generator. The expansion of the cylinder for this pressure is displayed and saved by mouse click. Next, the pressure at the pressure generator is increased to the required test pressure (e.g. 450 bar), the expansion of the cylinder

#### Accessories (surcharge)

Art.-No. 186533

Drying appliance for a big cylinder



• Art. No. 186532

The **cylinder drying device BTG** is a quiet drying system for compressed gas cylinders. The high thermostat-controlled hot air capacity guarantees fast drying.

• Art. No. 186180

The **tumbling device** enables cleaning the inside of up to 3 compressed gas cylinders at the same time. It has been encapsulated in a high-grade steel housing for noise absorption.

under this test pressure is displayed and saved by mouse click. After complete decompression of the pressure generator (test pressure 0 bar), the remaining expansion of the cylinder is displayed after a brief wait time, and saved by mouse click. The remaining expansion may not exceed a specific percentage of the expansion under test pressure (e.g. 5 %). After removing the test object from the test tank and uncoupling it from the test hose, the next compressed gas cylinder can be tested.

#### Cylinder drying device BTG

The **cylinder drying device BTG** is used to dry steel or aluminium compressed gas cylinders with hot air, e.g. after hydrotesting. Up to 5 containers can be dried simultaneously. The wet containers are placed „upside down“ over the individually closable air pipes. The residual water is collected in the collecting tank. A side channel compressor with heating and thermal monitor blows hot air into the containers. The drying time depends on the temperature set by the control electronics and the size of the containers.

#### Water jacket testing system Professional 2

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with pressure generator

Art.-No. 186610

**Dimensions of test console:** Height [mm]: 2000. Table height [mm]: 996, Width [mm]: 1000, Depth [mm]: 700. Test tank Ø [mm]: (2x) 230. **Weight [kg]:** 70. High-grade steel housing.

#### Tumbling device

(EN ISO 12100-1, EN ISO 12100-2, EN 60204)

Art.-No. 186180



2 electric motors: 230 V, 50/60 Hz, 0.3 kW and 0.4 kW. **Dimensions:** Height [mm]: 855, Width [mm]: 1000, Depth [mm]: 700. **Weight [kg]:** 106. High-grade steel housing.

Subject to technical modifications / 03-2020

