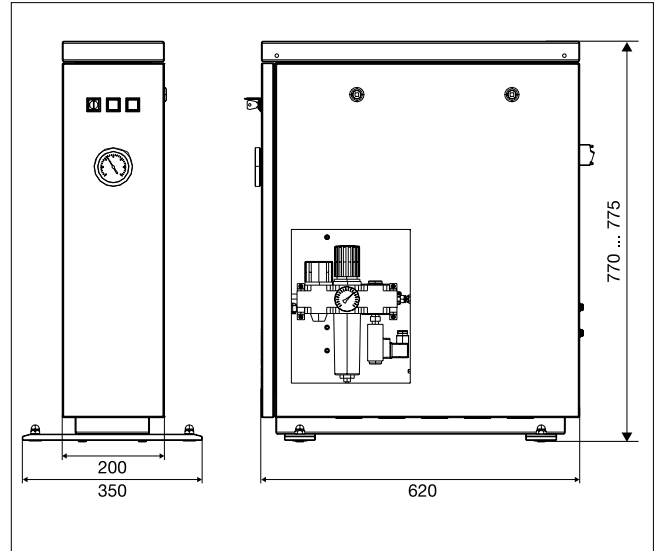


Product Information

Pneumatic control unit



Range of application

The pneumatic control unit further optimises specimen gripping. The connection is at the grips and the load frame via the measurement and control electronics *testControl*.

The new Zwick pneumatic foot-operated control unit features:

- electrical interconnection with the machine Emergency STOP and
- sustained action device for pinch protection, satisfying the latest requirements of the Machinery Directive.

Advantages/Characteristics

- The pneumatic control unit can be used in combination with all pneumatic grips with nominal forces from 200 N up to 100 kN of the Zwick Roell assortment. Consequently it is a low-budget alternative for the hydraulic grips.
- The force constant hold reliably prevents unrequired tensile or compression forces, caused by material being displaced or by specimen holder deformation, being applied to the specimen during the close and gripping sequences.
- The gripping can be adapted to the specimen's properties and to the test conditions via two selectable types of operation.
- The simple operation and documentation of the test parameter via the test software *testXpert*® II ensures reproducible, operator dependent test conditions.
- A maintenance free construction and a comfortable operation via remote control are additional highlights.
- Stepless pressure adjustment of 1 to 10 bar via *testXpert*® II allows optimum, traceable matching of the gripping pressure to the application.
- The specimen grips are controlled directly via the ergonomically designed remote control or via *testXpert*® II.

Product Information

Pneumatic control unit

Item number	067682
Operation and documentation of the test parameter via the test software <i>testXpert® II</i> or <i>testXpert®</i>	
Dimensions (W x H x D)	200 (350) x 770 to 775 ⁽¹⁾ x 620
Pneumatic input pressure	6 to 11 bar
Pneumatic input connection	Hose with nipple DN 7
Pneumatic output pressure	1 to 10 bar
Pneumatic output connection	Coupling DN 5
Power consumption	0.4 kW
Voltage	1 ~ 230 V
Frequency	50 to 60 Hz
Weight	35 kg
Safety	CE conformity
Force-zero control	- Prevents impermissible loading of the specimen during the close and gripping procedure
Types of operation	- Continuous gripping at the preselected gripping pressure - Gripping at a gripping pressure that's proportional to the current test load (proportionality factor freely selectable)
Here is required	- CAN-BUS measurement module ⁽²⁾ - Expanded remote control unit

⁽¹⁾ Vertically adjustable feet⁽²⁾ It is not necessary to order another one if this module exists already because of an automatic extensometer.