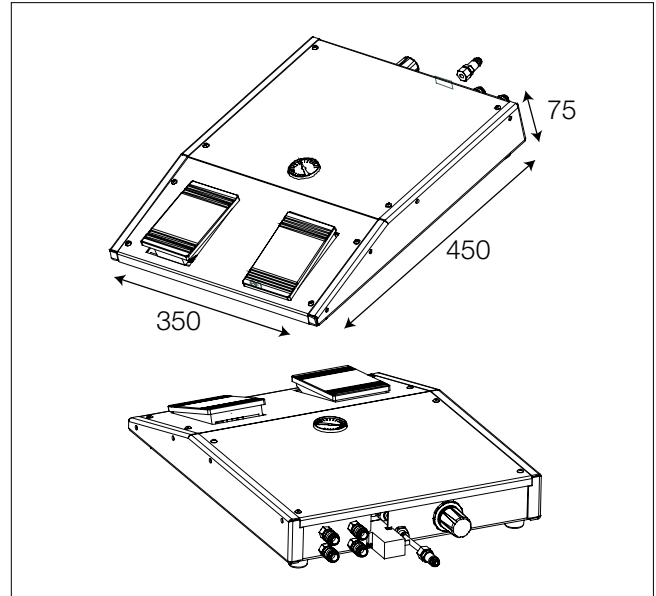


Product Information

Pneumatic control unit



Range of Application

- The new Machinery Guidelines (2006/42/EC) are extremely demanding with regard to the safety of pneumatic control units.
- 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.
- The new Zwick control unit is in full compliance with the standard's requirements.
- This pneumatic control unit can be used in conjunction with all pneumatic grips from the Zwick range.
- It is connected to the specimen grips and the safety circuit of the *testControl* / *testControl II* electronics.

Highly functional - ergonomic design

- In the event of pressure fluctuations or mains supply failures the pressure in the grips remains constant. Test results are not affected.
- The ergonomic design of the rocker pedals ensures a high level of operator convenience.
- The rocker pedals are hard anodized for high wear resistance.
- Sustain action device enables correction of specimen alignment during the clamping procedure.

- The closing pressure is indicated via a manometer, with stepless adjustment from 3 bar to 10 bar.
- Easy-maintenance, service-friendly design (e.g. manual bleeding facility).

Maximum safety

- Optimum pinch protection via sustained action device and low operating pressure during closing. If the pedal is released during closing the jaws are opened immediately.
- Electrical interconnection with the machine causes the jaws to stop moving immediately or return to the safe starting position via inching mode if the Emergency STOP switch is operated.
- If the air or electricity supply is interrupted the jaws make no uncontrolled movement/return to the safe starting position in inching mode. A single planned opening is possible, however.
- When the machine is switched off the pneumatic control function is in 'safety mode'.
- The maximum closing speed of 10 mm/sec. required by the standard is constant and is not affected by pressure.

Product Information

Pneumatic control unit

Item number	057427
Dimensions (W x H x D)	350 x 75 x 450
Pneumatic input pressure	6 to 10 bar
Pneumatic input connection	Nipple NW7
Pneumatic output pressure	3 to 10 bar
Pressure display gauge	yes
Actuation pressure	3 bar
Specimen grips closing speed	10 mm/s (600 mm/min)
Pneumatic output connection	Coupling DN5
Connection specimen grip	Coupling NW5
Emergency STOP chain	yes
Temperature range	+10°C to +35°C
Weight	14 kg
CE conformity	yes, yes, according to machine guidelines 2006/42/EG
Compressed air connection / Viscosity	3 to 10 bar (with recommended oil to ISO 3448) 32 mm ² /s (filtered, dehumidified and oiled)