

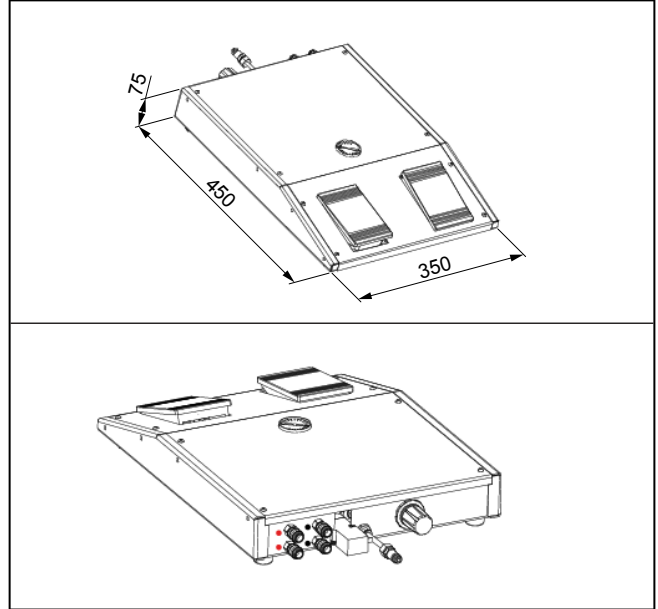
Product Information

Pneumatic control units

CTA: 43208 34349 34358



Control via foot switch (Item No. 057427)



Control via foot switch (Item No. 057427): general view and rear view

Applications

- This pneumatic control unit can be used in conjunction with all pneumatic grips from the ZwickRoell range.
- Ideal for dimensionally unstable, clamping-sensitive specimens prone to slight slippage, even with specimen thickness reduction.
- The perfect aid for high specimen throughput and frequently changing specimen material.

Optimum gripping and convenience

- Specimens are always gripped and held perfectly, regardless of the properties of the specimen material, ensuring reliable test results and short cycle-times.
- Constant, reproducible gripping force, even with specimen thickness reduction or pressure fluctuations in the compressed-air system.
 - High gripping forces enable easy clamping of specimens prone to slight slippage.
 - Foot control leaves your hands free, for example for dimensionally unstable specimens.
 - Hard-anodized rocker pedals ensure convenient operation.
 - Closing pressure is indicated via a manometer on the control unit, with stepless adjustment from 3 bar to 10 bar.

Maximum safety

The ZwickRoell pneumatic control unit satisfies all legal requirements*. The following functions guarantee maximum safety for the operator:

- Inching mode, closing movement of the jaws only as long as the pedal is being operated. In the event of a hazardous situation, removing your foot from the pedal will cause the grips to switch to a safe condition immediately.
- The maximum closing speed of 10 mm/s gives time to react and is independent of the supply pressure.
- Reduced pressure during the closing process provides additional safety.
- Electrical interlocking with the machine Emergency STOP ensures system-wide safety.
- If the air or electricity supply is interrupted the grips will not make any uncontrolled movement but will remain in safe condition.

*e.g. Machinery Directive 2006/42/EC, BIA Fact Sheet/Worksheet 330 216

Product Information

Pneumatic control units

Technical data

| Type Item no. | Pneumatic control unit 057427 | |
|--|--|-----|
| Dimensions | | |
| Height | 75 | mm |
| Width | 350 | mm |
| Depth | 450 | mm |
| Pressure display gauge | yes | |
| Specimen grips closing speed | 10 mm/s (600 mm/min) | |
| Inlet pressure | 3 to 10 | bar |
| Permissible, adjustable operating pressure | 3 to 8 | bar |
| Connector, supply | NW7 nipple | |
| Specimen grips connection | NW5 coupling | |
| Ambient temperature | +10 to +35 | °C |
| Weight, approx. | 14 | kg |
| CE conformity | yes, yes, according to machine guidelines 2006/42/EG | |