

SCHMIDT® HydroPneumaticPress

Control versions



Single-channel control
(Integration of the press in an automatic installation)

Press-specific accessories

Optional

- Ram drift lock to secure ram in home position when air supply has been removed.
- Force output preselector approx. 3...6 bar.

Two-channel control
(With manual loading of the machine)

Controlling the rapid approach stroke

Single-channel pneumatic control block
Incl. throttle for adjusting the speed in working stroke

Controlling the power stroke

- a) **Only pneumatically** via differential pressure valve
- b) **Electrically** via electromagnetic valve

Inductive switches for TDC / BDC

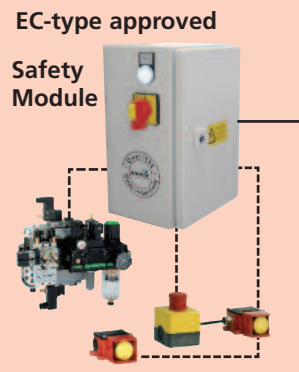
External control

Control unit SCHMIDT® PressControl 70 / 600 ¹⁾

Additional valves: Option 1
1/8" – 5/2 additional valves mounted to the pneumatic control block

- 2-hand-release
- Light curtain

Additional valves: Option 2
CAN bus valve terminal



CAN bus

Control unit SCHMIDT® PressControl 70 / 600 ¹⁾



USB

ControlTool

¹⁾ in development

SCHMIDT® SafetyModule
Safety circuit with terminals to connect the 2-channel pneumatic block and the release elements. The release of the press, 2-hand-release or automatic mode (light curtain or pneumatic guard door), must be configured and parameterized accordingly. The communication with the control is via CAN-Bus.

2-channel pneumatic block
inclusive 2 flow controls for the speed adjustment in the working and return stroke.

SCHMIDT® HydroPneumaticPress

Control unit versions with force/stroke monitoring

Press-specific installation material

Optional

- Ram drift lock to secure ram in home position when air supply has been removed.
- Force output preselector



approx. 3...6 bar

Single-channel control

(Integration of the press in an automatic installation)

- Electrical power stroke connection incl. force output preselector**
- Single-channel pneumatic control block**
Incl. throttle for adjusting the speed in working stroke
- 8 inputs / 4 outputs:**
Terminal box for wiring the valve and the press sensors

External control

Interface to external control
a) CAN bus coupler with input/output boards
b) CAN profibus gateway

CAN bus

21-pole connection

ControlTool SPC

USB

Signals of the force/stroke sensors

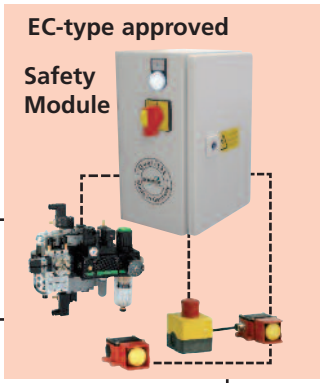
Two-channel control

(With manual loading of the machine)

Additional valves: Option 1
1/8" – 5/2 additional valves mounted to the pneumatic control block

Additional valves: Option 2
CAN bus valve terminal

- 2-hand-release
- Light curtain



SCHMIDT® SafetyModule
Safety circuit with terminals to connect the 2-channel pneumatic block and the release elements. The release of the press, 2-hand-release or automatic mode (light curtain or pneumatic guard door), must be configured and parameterized accordingly. The communication with the control is via CAN-Bus.

External control

CAN bus coupler
With input and output termination strip if more than 8 I/O are required
CAN profibus gateway
As interface to the external control

CAN bus

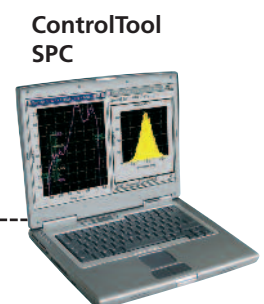
2-channel pneumatic block
inclusive 2 flow controls for the speed adjustment in the working and return stroke.

Electrical power stroke connection incl. force output preselector

8 inputs / 4 outputs
Wiring options:
- Terminal box 505982
- 8-fold sensor box 504061

21-pole connection

Signals of the force/stroke sensors



USB