

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. 1...6 bar.

Controlling the rapid approach stroke

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

Controlling the power stroke

- Only pneumatically** via differential pressure valve
- Electrically** via electromagnetic valve

Inductive switches for TDC / BDC feedback

External control

Two-channel control

(With manual loading of the machine)

Control unit SCHMIDT® PressControl 70 / 600 ¹⁾

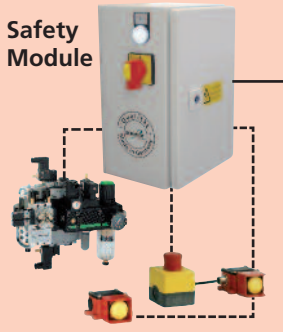
Additional valves: Option 1
1/8" – 5/2 additional valves mounted to the pneumatic control block

- 2-hand-release
- Light curtain

Additional valves: Option 2
CAN bus valve terminal

EC-type approved

Safety Module



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



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

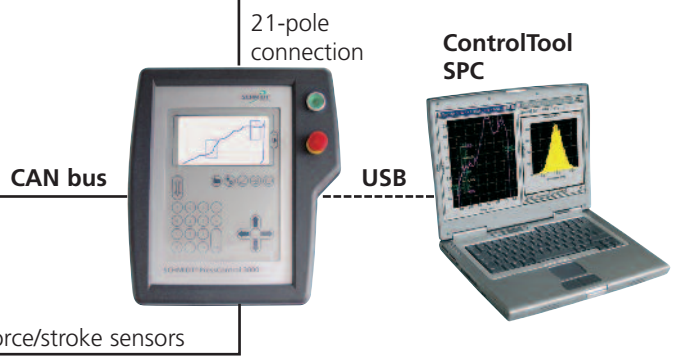
8 inputs / 4 outputs:
Terminal box for wiring the valve and the press sensors

External control

Interface to external control

a) CAN bus coupler with input/output boards

b) CAN profibus gateway



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

EC-type approved

Safety Module

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.

Electrical power stroke connection
incl. force output preselector

External control

CAN bus coupler
With input and output termination strip if more than 8 I/4 O are required

CAN profibus gateway
As interface to the external control

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

