

# Knižnice programu FluidSIM (obsah aj podrobne) - PNEUMATIKA :)

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## Pneumatic

[Supply Elements](#)

Compressor

Variable compressor

Air service unit

Compressed air supply

Air service unit, simplified representation

Air pressure reservoir

Air pressure reservoir

Air filter

Manual drain filter

Automatic drain filter

Manual drain

Automatic drain

Lubricator

Cooler

Air Dryer

[Actuators](#)

Distance rule

Single acting cylinder

Cylinder, Single-acting, Return Spring in Piston Chamber

Double acting cylinder

Cylinder without piston rod

Cylinder with two piston rods

Multiple Position Cylinder, Double-acting

Air motor

Semi-rotary actuator

Vacuum suction nozzle

Sucker

#### [Frequently used cylinders](#)

Linear Drive, Pneumatic, with Shape-fitting Adaptor

Linear Drive, Pneumatic, with Shape-fitting Adaptor

Linear Drive with solenoid coupling

Cylinder, Double-acting, with Two Piston Rods and Single Trestle

Cylinder, Double-acting, with Two In and Out Piston Rods and Double Trestle

Double acting cylinder

Single acting cylinder

Cylinder, Double-acting, with in and out Piston Rod

Cylinder, Single-acting, Return Spring in Piston Chamber

Valves

#### [Configurable directional valves](#)

2/h Way Valve

3/h Way Valve

4/h Way Valve

5/h Way Valve

6/h-way directional valve

8/h-way directional valve

Frequently Used Way Valves

#### [Mechanically Operated](#)

3/2-way valve with pushbutton

3/2-way valve with pushbutton

3/2-way valve, manually operated

5/2 valve with selection switch

3/2-way roller lever valve

3/2-way idle return roller lever valve

Pneumatic proximity switch, solenoid operated

Pressurizing valve

3/2-way roller lever valve

#### [Pneumatically Operated](#)

3/2-way valve, pneumatically operated

3/2-way valve, pneumatically operated

5/2-way valve, pneumatically operated

5/3-way valve, pneumatically operated

Low pressure amplifier unit 2 compartments

5/2-way impulse valve, pneumatically operated

#### [Solenoid Operated](#)

Valve Solenoid

3/2-way solenoid valve

3/2-way solenoid valve

5/2-way solenoid valve

5/2-way solenoid impulse valve

5/3-way solenoid valve

5/2-way solenoid valve

5/2-way solenoid valve

#### [Shutoff Valves and Flow Control Valves](#)

Pneumatic timer, normally closed

Pneumatic timer, normally open

Nozzle

Throttle valve

Orifice

Variable orifice

- One-way flow control valve
- Shuttle valve
- Two pressure valve
- Quick exhaust valve
- Check valve
- Spring loaded check valve
- Check valve with pilot control
- Spring loaded pilot-operated check valve
- Pilot to close check valve
- Pilot to close spring loaded spring loaded valve
- Pneumatic counter

#### [Pressure Control Valves](#)

- Pressure reducing valve
- Variable pressure reducing valve
- Pressure reducing valve
- Variable pressure reducing valve
- Pressure control valve with manometer
- Closing pressure compensator
- Variable closing pressure compensator
- Opening pressure compensator
- Variable opening pressure compensator

#### [Proportion valves](#)

- Proportional 5/3-way directional valve
- Proportional valve solenoid, position controlled

#### [Valve Groups](#)

- Stepper Module, type TAA
- Stepper Module, type TAB
- Two-hand control block
- Quickstepper
- Pressure sequence valve
- Time delay valve, normally closed
- Time delay valve, normally open
- Adjustable vacuum actuator valve

#### [Measuring Instruments and Sensors](#)

- Manometer
- Differential pressure gauge
- Pressure indicator
- Flow meter
- Flow meter
- Analog flow meter
- Pressure sensor
- Differential pressure switch
- Ring sensor
- Analog pressure sensor

#### Electrical Controls

##### [Actuators](#)

- Solenoid
- DC Motor

##### [Power Supply](#)

- Electrical connection 0V
- Electrical connection 24V
- Function generator
- Setpoint value card

#### [Measuring Instruments and Sensors](#)

- Pressure sensor
- Analog pressure sensor
- Analog flow meter

- Pneumatic to electric converter
- Displacement encoder
- Voltmeter
- Ampere meter
- Indicator light
- Buzzer

#### [Relays](#)

- Relay
- Relay with switch-on delay
- Relay with switch-off delay
- Relay counter
- Valve solenoid
- Proportional valve solenoid, position controlled
- Starting current limiter

#### Switches

##### [Manually Operated](#)

- Pushbutton (make)
- Detent Switch (make)
- Detent Switch (break)
- Pushbutton (changeover)
- Pushbutton (break)
- Detent Switch (changeover)

##### [General Switches](#)

- Break switch
- Make switch
- Changeover switch

##### [Proximity switches](#)

- Capacitive proximity switch
- Magnetic proximity switch
- Inductive proximity switch
- Optical proximity switch

#### [Controller](#)

- Comparator
- PID Controller
- Status controller

#### [Ladder Symbols](#)

- Electrical connection 0V
- Electrical connection 24V
- Pushbutton (make, Ladder)
- Pushbutton (break, Ladder)
- Pushbutton (changeover, Ladder)
- Make switch (Ladder)
- Break switch (Ladder)
- Valve solenoid
- Relay (Ladder)
- Relay with switch-off delay (Ladder)
- Relay with switch-on delay (Ladder)
- Indicator light

#### [Digital Technique](#)

- Logic module
- Logic module
- Lo level
- Hi level
- Input
- Output
- Buffer
- AND

OR  
NOT  
AND with edge triggering  
NAND  
NAND with edge triggering  
NOR  
XOR  
Latching relay  
Symetric clock generator  
Asynchronous pulse generator  
Pulse relay  
On delay  
Retentive on delay  
Off delay  
On/off delay  
Wiping Relay – Pulse Output  
Edge-triggered wiping relay  
Up and down counter  
Frequency trigger  
Timer switch

#### [EasyPort/CPD/DDE](#)

Multi-pin plug distributor  
Universal-I/O  
FluidSIM Input Port  
FluidSIM Output Port

#### [GRAF CET](#)

Step  
Transition  
Action  
Synchronization  
Partial GRAFCET  
GRAF CET I/O

#### [Miscellaneous](#)

State Diagram  
Functional diagram  
Terminal assignment diagram  
Parts List  
Text  
Bitmat  
Square  
Circle  
Elipse  
Rectangle

[Knižnice programu FluidSIM \(obsah aj podrobne\) - HYDRAULIKA](#)