

## Cylinders

according to standards ISO 15552,  
DIN ISO 6431, VDMA 24562,  
CNOMO 06.07.02, DIN ISO 6432 and others

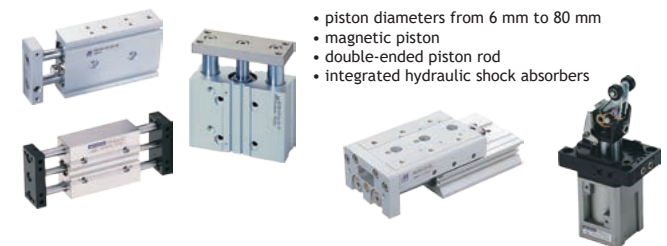


- piston diameters from 8 mm to 500 mm
- adjustable cushioning at end positions
- magnetic piston, double-ended piston rod
- single and double acting
- with lock device or end position locking
- guide unit type U or H, double piston rod
- compact, short stroke, rotary actuators
- rodless, classically and magnetically coupled
- resistant to temperatures up to +180°C
- various material designs - light metals, steel, cast iron, stainless steel, plastic
- cylinders for potentially explosive atmospheres according to Directive 2014/34/EU:

- I M2 Ex h I Mb,
- II -/2 G Ex h IIC T6 -/Gb,
- II -/2 D Ex h IIC T85°C -/Db

## Cylinders

with integrated guide



- piston diameters from 6 mm to 80 mm
- magnetic piston
- double-ended piston rod
- integrated hydraulic shock absorbers

## Cylinder accessories



- mounting accessories
- position sensors
- piston rod protection covers
- hydraulic shock absorbers
- hydraulic speed control units

## Shake devices



- ball vibrators
- knockers
- air cannons

## Cylinders

hydro-pneumatic and booster



- various designs
- wide range of amplification ratios

## Cylinders

for special purposes



- piston diameters from 8 mm to 600 mm
- standard or according to customer requirements

## Clamp cylinders and grippers



- piston diameters from 12 mm to 125 mm
- swing and straight clamps
- angular, parallel and three jaws grippers

## Valves

solenoid actuated



- wide range of valves
- individual and manifold assembly
- various types of electronic control, including BUS systems
- with spool and sleeve assembly

## Valves

mechanically and pneumatically actuated



- hand, foot, mechanical and pneumatic control
- interchangeable actuators
- panel mountable

## Air preparation units



- modular system
- many types of elements with specific functions
- standard design and heavy duty design
- stainless steel elements

## Compressed air distribution



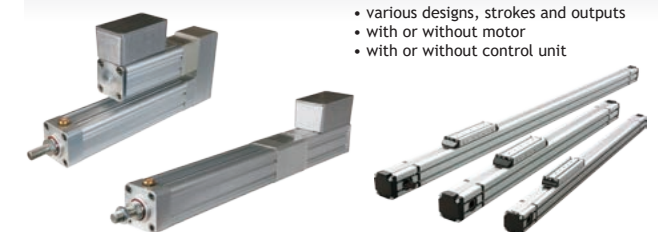
- modular system
- aluminum or plastic couplings
- aluminum pipes with diameters from 16 to 110 mm

## Accessories



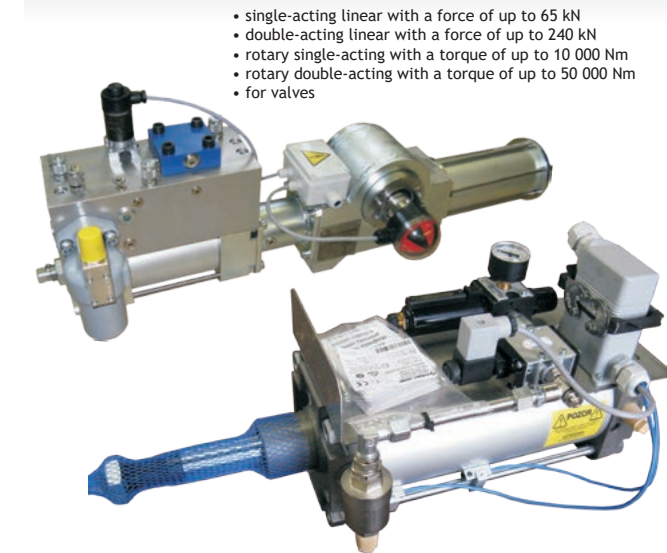
- push-in and push-on fittings
- fitting accessories (reducers, sockets, nipples, etc.)
- tubes of various materials
- functional and logic valves
- silencers
- other elements for pneumatic circuits

## Electrical drives and grippers



- various designs, strokes and outputs
- with or without motor
- with or without control unit

## Atypical drive units



- single-acting linear with a force of up to 65 kN
- double-acting linear with a force of up to 240 kN
- rotary single-acting with a torque of up to 10 000 Nm
- rotary double-acting with a torque of up to 50 000 Nm
- for valves





Dear customer,  
you have in your hands a brief overview of our offer in the field of pneumatic components. We believe that together with other information products, especially the constantly updated electronic catalog, available on our website, or the 3D model generation system for CAD systems, it will serve to facilitate your work.

Our company has been producing pneumatic elements since 1991. Our own development and production using the most modern technologies allow us not only to constantly improve standard elements, but also elements that we produce according to your requirements.

The primary goal of our company is to supply products with high quality, long service life and favorable price. Service and availability of spare parts for any of our products is a matter of course. This applies not only in the Czech Republic and Slovakia, but also in other countries, where we are gradually building a sales and service base.

Get to know other activities of Stránský a Petržík, Pneumatické válce spol. s r. o., such as development and production of single-purpose machines and equipment, or sale and service of machine tools.

Thank you for your interest, we believe that you will be interested in our offer and we look forward to working with you.



# STRÁNSKÝ A PETRŽÍK

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06/2025

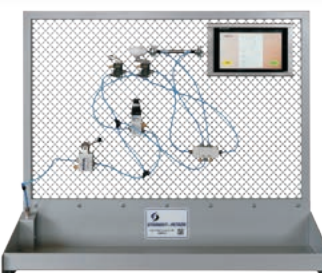
## FROM OUR OFFER, WE ALSO RECOMMEND:

### Single-purpose machines



Our company has been engaged in the development and production of single-purpose machines since 1997. Thanks to our experienced design team and high quality of manufacturing premises, we are able to respond to any specific requirements. On the basis of customer's requirements, we have produced dozens of single-purpose machines and devices, whether they were simple components or more complicated structural units connected to automatic lines. We are able to use pneumatic, hydraulic or electric drives. The control can be pneumatic/electric, electrical or combined.

### Educational panel for schools



The educational panel is particularly suitable for secondary, high schools and universities, when teaching automation with pneumatic components. The delivery includes all the necessary elements for solving 8 basic tasks. Their assignment and connection is delivered in the form of a PowerPoint® presentation, which can be run on a tablet, laptop or computer, which makes the work more attractive for the solvers. Due to its modularity, the panel is ready for future expansion.

### Service post for campsites



This environmentally friendly and nature-conscious post centrally addresses the needs of campsites, recreational areas, petrol stations, fishing resorts, and similar locations. It's equipped with 230V safety sockets featuring digital consumption measurement, water and waste connections, and a disposal point for chemical toilets.



### Food-processing devices

#### Steam cooking chamber series UNIPAR



Steam cooking chamber UNIPAR U3-E is a non-pressure cooking device with electric heating, adjustable time and temperature inside the chamber and automatic water filling system. It is designed for the heat treatments of food products, especially proof dough dumplings, potato dumplings, boiling potatoes and rice, cooking meat and meat products, sterilization and defrosting meals. It is suitable for catering companies, canteens or restaurants.

#### Yoghurt maker machine J3

J3 is a device with electric heating, cooling unit and adjustable time and temperature inside the working chamber. It is designed for the fermentation of lactic cultures in jars which are later put on a charging trolley. J3 consists of 2 main parts: fermentation/cooling chamber and a trolley with folding plates. This device is suitable for making farmer's yoghurts. Its working cycle starts by heating-up of yoghurt to the desired temperature and its preservation for the set time. Cooling of the chamber starts when the time is up.



### Sweeping attachments for forklifts

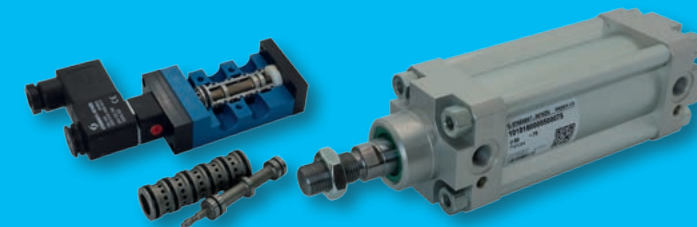


The sweeping attachment for forklifts is designed for cleaning tasks in both outdoor environments and production halls. It can sweep materials such as dust, sand, gravel, sawdust, snow, and the like, and the sweeping brushes are easily and quickly replaceable."



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## OVERVIEW OF PNEUMATIC COMPONENTS



[www.sappv.cz](http://www.sappv.cz)