



Pneumatic components



AUTOMOTIVE 1-2017



The deeply rooted know-how that Stampotecnica has achieved in injection moulding and our in-depth experience in the fluid power field are the pillars of AIRCOMP, that is our brand specialized in planning and manufacturing industrial pneumatic components.

AIRCOMP products range is distinguished by a unique combination of reliability, innovation and design, which makes our products strongly recognizable on international markets.

In over 45 years of activity, a strong corporate identity has been consolidated and has enabled our reaching ambitious goals, thanks to a dynamic and motivated organization.

AIRCOMP believes in the people that daily works with passion and enthusiasm, contributing through their ideas to develop competitive and cutting-edge products.

Attention to customers' needs, competence and professionalism are the keywords of our corporate philosophy, which is always keen on issues related to safety, environmental pollution and energy saving.



ENVIRONMENTAL SUSTAINABILITY

Is a product made from plastic more or less polluting than a product made from another material?

Recent studies, carried out on the whole life cycle of product, have shown that the energy consumption and the greenhouse gas emissions which are necessary for the realization of technopolymer products, have resulted lower with respect to alternative products realized from other materials.

This European survey has concerned high-consumption products of various type (please note it was not about pneumatic items), taking into account also:

- Energy that is necessary for producing raw material
- Energy for transforming raw material
- Reuse, recovery and recycling of worn products.

In many sectors (ex. Automotive) the reduction of weight, delivered by technopolymers, allows an outstanding improvement in terms of energy consumption.

(Denkstatt GmbH Survey Wien (A) year 2010)

AIRCOMP by STAMPOTECNICA is steadily engaged in improving his production processes in order to reduce energy consumption and any waste coming from the different production phases.



HIGH SPECIALIZATION

AIRCOMP by STAMPOTECNICA has gained over time an in-depth specialization in realizing components that are aimed to that branch of the Automotive field named «Garage Equipment». The choice of the most suitable materials, combined with a careful planning focused on the requirements of this sector, have enabled the realization of a strongly specialized program, consisting of:

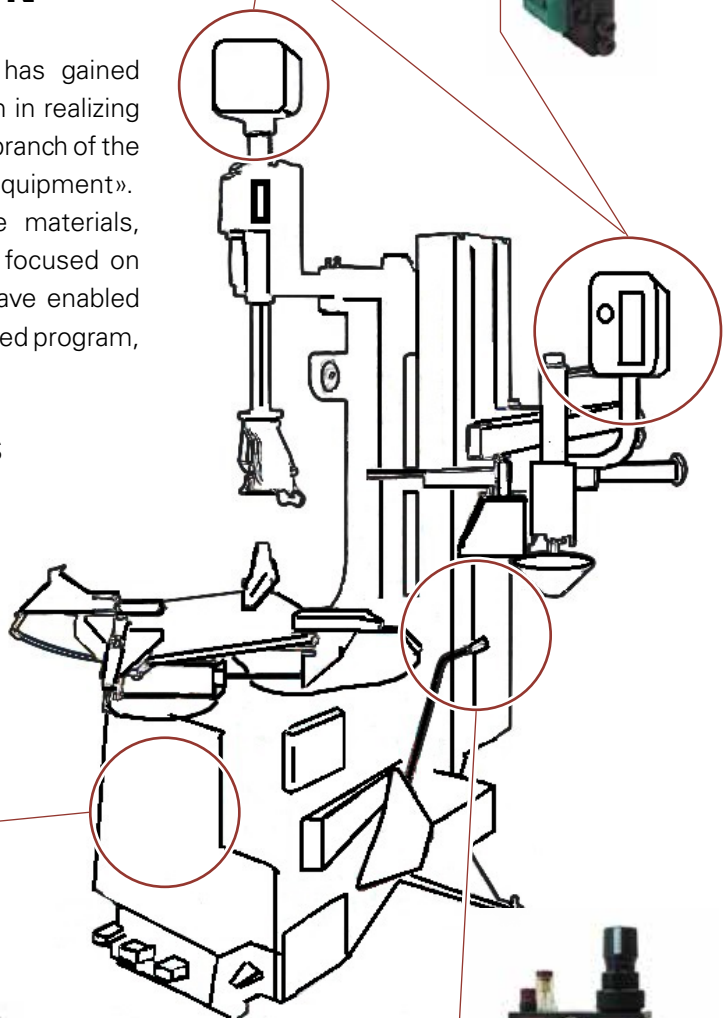
- VALVES and SOLENOID VALVES
- AIR PREPARATION
- FITTINGS
- CYLINDERS

The safety of the equipment along with the reliability of the products represent the starting point of each project.

3 positions valve for cylinders actuation



Push-button with pneumatic and/or electrical actuation



Quick filling valves with fixed presetting for tyre inflating



Regulation, filtration and lubrication FRL units.





Technopolymer body, operator and end-cap

Anti-deformation metal bushing

CONTROL

AIRCOMP valves have been planned combining the resistance of technopolymers of latest generation with reliability and functionality as requested by this sector.

Special attention is paid to the strength of the product, thanks to the use of inserts and metal bushings, where necessary.

5/3 valves, that are available in manual, electrical and pneumatic version, ensure the correct movement of the cylinder by means of a tested internal tightness system.

The wide range of products developed for this sector has been remarkably widened with several customized versions.

Lever with reduced dimensions



Round knob for a firmer handling



Axial lever valves having vertical shape



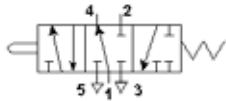
CONTROL

The excellent results, obtained through the close co-operation with the customer, have proved how important information and opinions exchange are.

For the most cutting-edge machines, true integrated systems with multipolar electrical connection have been realized.

For more information, please contact our offices (commerciale@aircomp.it)

www.aircomp.it/valves



*Pushrod valve 5-ways
3 positions having a
special circuit*

*Valve island MP160
with multipolar
connection*



*Push-button assembled
on pilot assisted valve*



*Pneumatic foot valve
3-ways, available also
in electrical version*



AIR PREPARATION

The choice of transparent technopolymers having high resistance against mineral oils and against pulsating pressure, enables using AIRCOMP air preparation units under different working conditions.

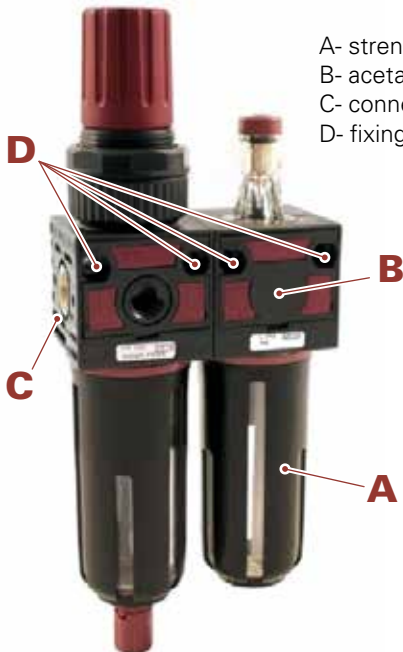
The FR+L unit (filter regulator+lubricator) allows simultaneously filtration of inlet air, pressure regulation and proper lubrication.

The control of the inlet pressure is essential both for the life of the machine and for the safety of operators.

AIRCOMP «TAMPER-PROOF» regulators have been designed to fulfill these requirements. Preset pressure at the required value and tamper-proof knob in order to avoid any modification to the parameters set by the manufacturer.

www.aircomp.it/air_preparation

*Filter Regulator +
Lubricator fixed preset
at 10 bar with additional
2-ways air take-off*



- A- strengthened nylon bowl
- B- acetalic resin body
- C- connections with brass inserts
- D- fixing holes on the body

INFLATING

Safety and speed are the features required during bead seating and inflating operations carried out by the tyre-changer machine.

AIRCOMP **regulator having fixed presetting** allows the safe inflating, avoiding to exceed the set pressure.

The tamper-proof knob avoids any possible modification of the pressure.

The quick filling valve (DG) delivers greater speed to the inflating operation while ensuring a set pressure value.

The quick filling valve is fully pneumatic. It exploits the concept of outlet pressure self-reading alternating it to an air supply at the maximum flow rate.

Upon reaching the set pressure, the air supply closes.

Tamper-proof knob

Exhaust valve for overpressure



Regulator preset at 3,5 bar

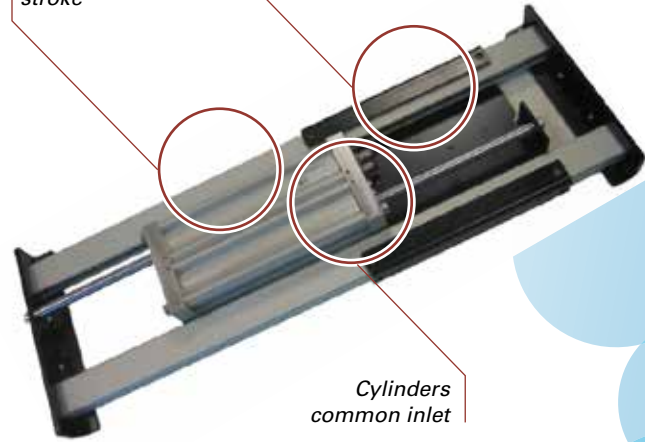


DG preset at 4,2 bar



*Cylinder with
double opposed
stroke*

Mobile slide



*Cylinders
common inlet*

MOVEMENT

Always searching for solutions suitable for meeting customers' needs, AIRCOMP has developed a slide model having reduced dimensions.

Our goal of combining the strength of the pneumatic cylinder with the compact dimensions as required by the balancing machine, has been achieved developing a slide having opposed piston rods.

The slide moves on two opposed piston rods in order to half reduce the dimensions with open cylinder.

This product, developed for a specific machine model, can be realized in different configurations according to the requested features.



<http://www.aircomp.it/cylinders>

FITTINGS

A proper connection is guaranteed by the good quality of fittings as well as by the good quality of tube.

Quality is essential for push-in fittings.

AIRCOMP offer for techopolymer Fittings comes with 3 models:

- Parallel fittings with O-Ring
- Tapered Fittings with teflon coating
- Intermediate Fittings

besides to:

- Speed controllers
- Ball valves
- Auxiliary valves

Main features:

Wide range of versions

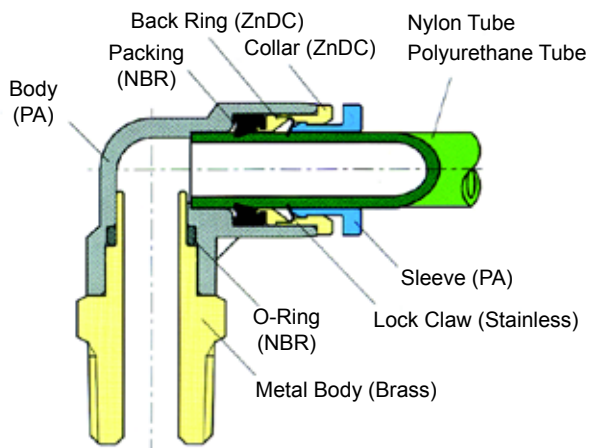
Compact dimensions

Pressure range : vacuum – 16 bar

For more information, please contact our offices
(commerciale@aircomp.it)



<http://www.aircomp.it/fittings>





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