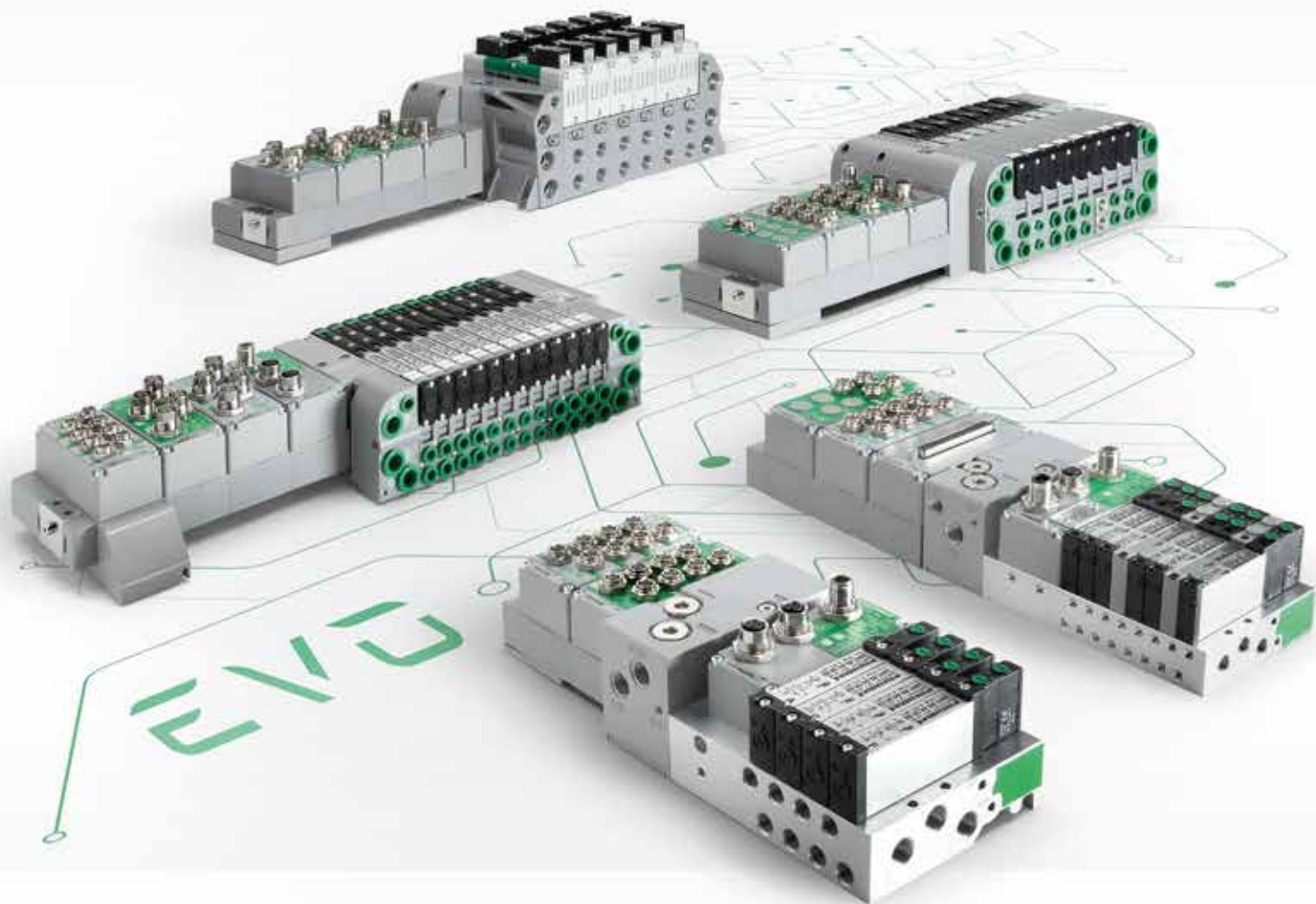




PNEUMAX



SOLUTIONS FOR AUTOMATION CONTROL

EVO SOLENOID VALVES



Pneumax Group

Smart Technologies and Human Competence

Founded in 1976, **Pneumax S.p.A.** is today one of the leading international manufacturers of components and systems for industrial automation. It is at the forefront of a Group comprised of **27 companies**, with **over 800 employees worldwide**.

Ongoing investment in research and development has allowed **Pneumax** to continually expand its range of standard products and customized solutions. The use of the most advanced production technologies guarantees maximum flexibility and certified quality according to international standards in different sectors.

The desire to provide the service and application skills has in turn led to the creation of 3 specific business units, dedicated to Industrial automation, process automation and the automotive sector.

International network

Through a network of subsidiaries and exclusive distributors, Pneumax is present in more than **50 countries** around the world, supporting customers in all phases of the supply process, from pre-sales application analysis to after-sales service.



3 TECHNOLOGIES



Pneumatic technology



Electric actuation



Fluid control



WE SPEAK EVO

A unique control system,
a wide range of solutions

All the Pneumax solenoid valves manifold are now available in the EVO version, integrating the **new electronic multi-serial module PX Series**, designed to manage and command pneumatic and electropneumatic components and to offer extreme flexibility by interfacing with the most common communication protocols.

Optyma EVO Series

2700 EVO Series

3000 EVO Series

PX Series

The PX Series synthesizes the 'control' concept Pneumax is offering: a unique solution that can be used as stand alone or integrated onto valves manifold

- **Modular system**
- **Easy to configure**
- **Multi-protocol**

Wide range of fieldbus protocols



PX SERIES

Multi-serial control module



Easy configuration to fit your application

The PX Series electronic control module has been created to offer compact and flexible control of pneumatic and electro-pneumatic components by interfacing with the most common communication protocols.

Both the digital and analogue I/O modules can be integrated and the stand alone assembly can be connected directly to the valve manifolds via the Sub-D connector.

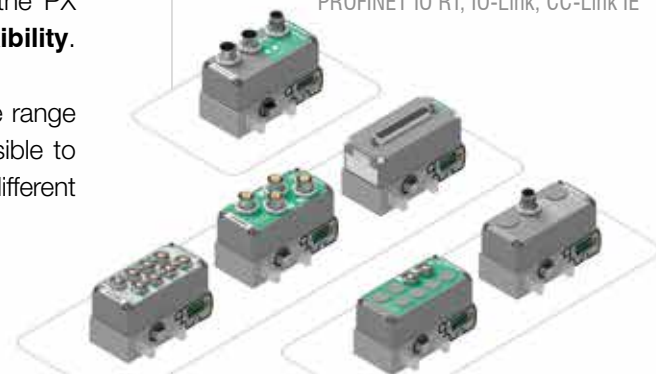
The module bodies and sub-bases are manufactured in technopolymer and the compact design ensures the PX Series are **light weight with a high degree of flexibility**.

The quick and easy configuration and the extensive range of modules and accessories available make it possible to meet the specific application requirements of the different industry sectors.

- **Maximum flexibility**
- **Digital and Analogue I/O modules**
- **Stand alone solution connected via SUB-D cable**
- **Manufactured in technopolymer**
- **Wide range of communication protocols**

Fieldbus

CANopen®, PROFIBUS, EtherNet/IP, EtherCAT®, PROFINET IO RT, IO-Link, CC-Link IE



Digital and Analogue I/O modules

Temperature probe modules and accessories

3000 EVO SERIES

EVO

High flexibility and compact design

The 3000 EVO Series of solenoid valves is a very flexible solution that can be easily configured to optimize the efficiency of the whole system through a constant interface and communication with the machine. The valves have aluminum bodies with integrated electrical connections, manual override and a LED that indicates when the valve is actuated.

Valves are available in two versions: 3100 with a width of 10.5 mm and 3400 with a width of 15.5 mm.

A wide range of functions is available, capable of working with positive pressures up to 10 bar or vacuum.

3000 EVO series is the ideal solution for applications in very demanding industrial sectors such as assembly and robotics or packaging.

- **Version 3100 EVO - size 10,5 mm with flow rate up to 200 NI/min**
- **Version 3400 EVO - size 15,5 mm with flow rate up to 600 NI/min**
- **Stand alone or manifold mounted versions**
- **Valve replacement without disconnecting the tubes**
- **IP65 protection degree**
- **Available sub-base mounted or with M5 threaded ports (3100) and G1/8" (3400)**
- **Possibility to operate with vacuum**

3000 EVO Series
10,5 mm



3000 EVO Series
15,5 mm



OPTYMA EVO SERIES



3 versions for a wide range of applications

The possible combinations of OPTYMA EVO Series are endless thanks to the three versions **S-F-T** that have been designed to cover a wide range of applications with flow range up to 1000 NI/min. **The compact design and the use of technopolymer for the valves body make the Optyma Series extremely light.**

Easy and fast assembly on the sub base is guaranteed thanks to the “one screw” mounting solution and the possibility to replace a valve without the need of disconnecting the pneumatic pipes.

- **Optyma-S EVO: Flow rate: up to 550 NI/min**
- **Optyma-T EVO: Flow rate: up to 800 NI/min**
- **Optyma-F EVO: Flow rate: up to 1000 NI/min**
- **Easy and fast assembly on the sub base thanks to the “one screw” mounting solution**
- **Possibility to operate with vacuum**
- **Management of 48 electrical signals**
- **IP65 protection degree**
- **Wide range of port connections**

Optyma-T EVO Series



Optyma-S EVO Series



Optyma-F EVO Series



2700 EVO SERIES

EVO

Suitable for automotive applications

The 2700 EVO Series of solenoid valves have been **designed in accordance with ISO 15407**, both the manifold and the valves size is 27 mm with a flow rate up to 1000 NI/Min.

In the Automotive version the manifold and the integrated PX series are made with aluminum (cover cup and module sub-base). The solenoid valves are mounted upon a modular sub-base with G1/4" pneumatic connections and built in electrical connection.

In addition to the serial bus modules, the valves manifolds can also be used with either a 25 or 37 pin D-SUB connectors offering control of up to a maximum of 32 electrical signals.

- 27 mm size - flow rate up to 1000 NI/min
- Easy and fast manifold assembling
- Possibility to operate with vacuum
- G1/4" quick coupling connections
- IP65 protection degree
- Available with integrated electronic module in technopolymer or aluminum

2700 EVO Series





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