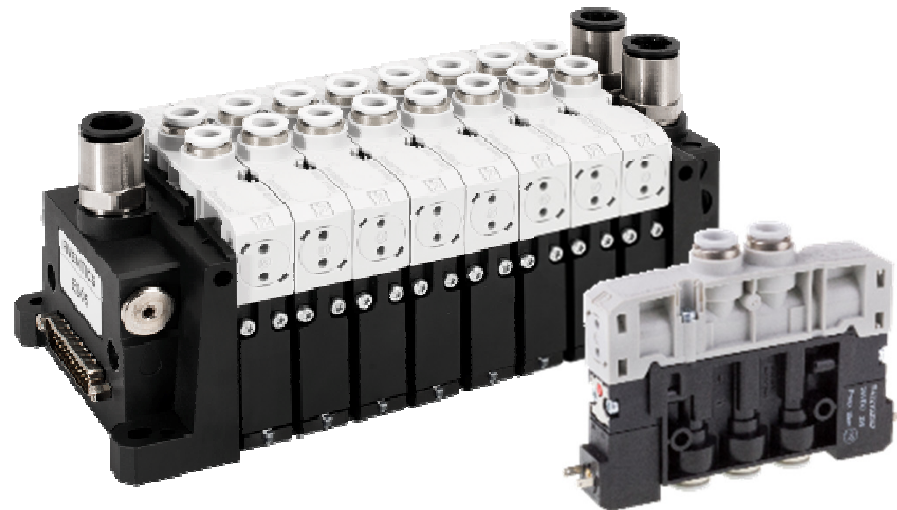
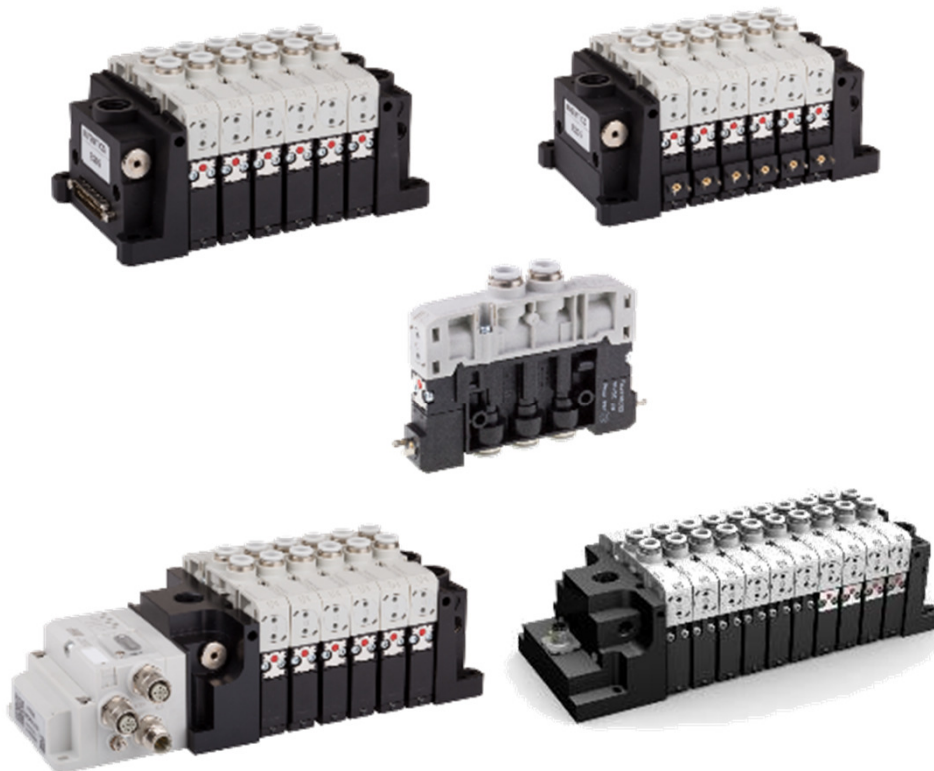


## ES05 – The Essential System

The valve family without bells and whistles

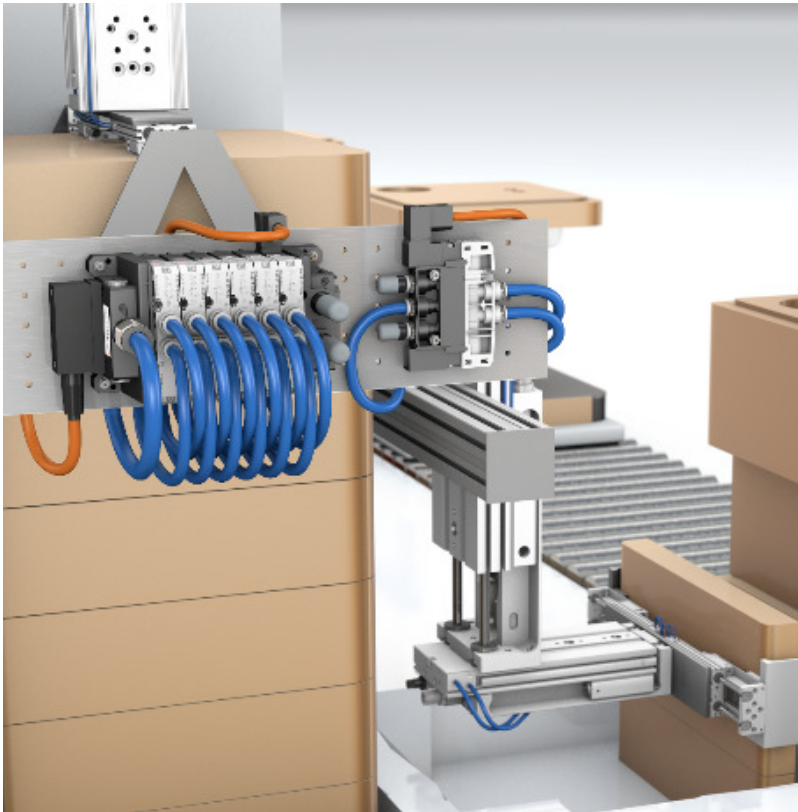


## At a Glance



- **Easy:**
  - Modular building system
  - One tool concept
- **Fast:**
  - Component availability
  - Documentation support
- **Profitable:**
  - Reduced stock value
  - Cost focused
- **Flexible:**
  - Extendable
  - Exchangeable

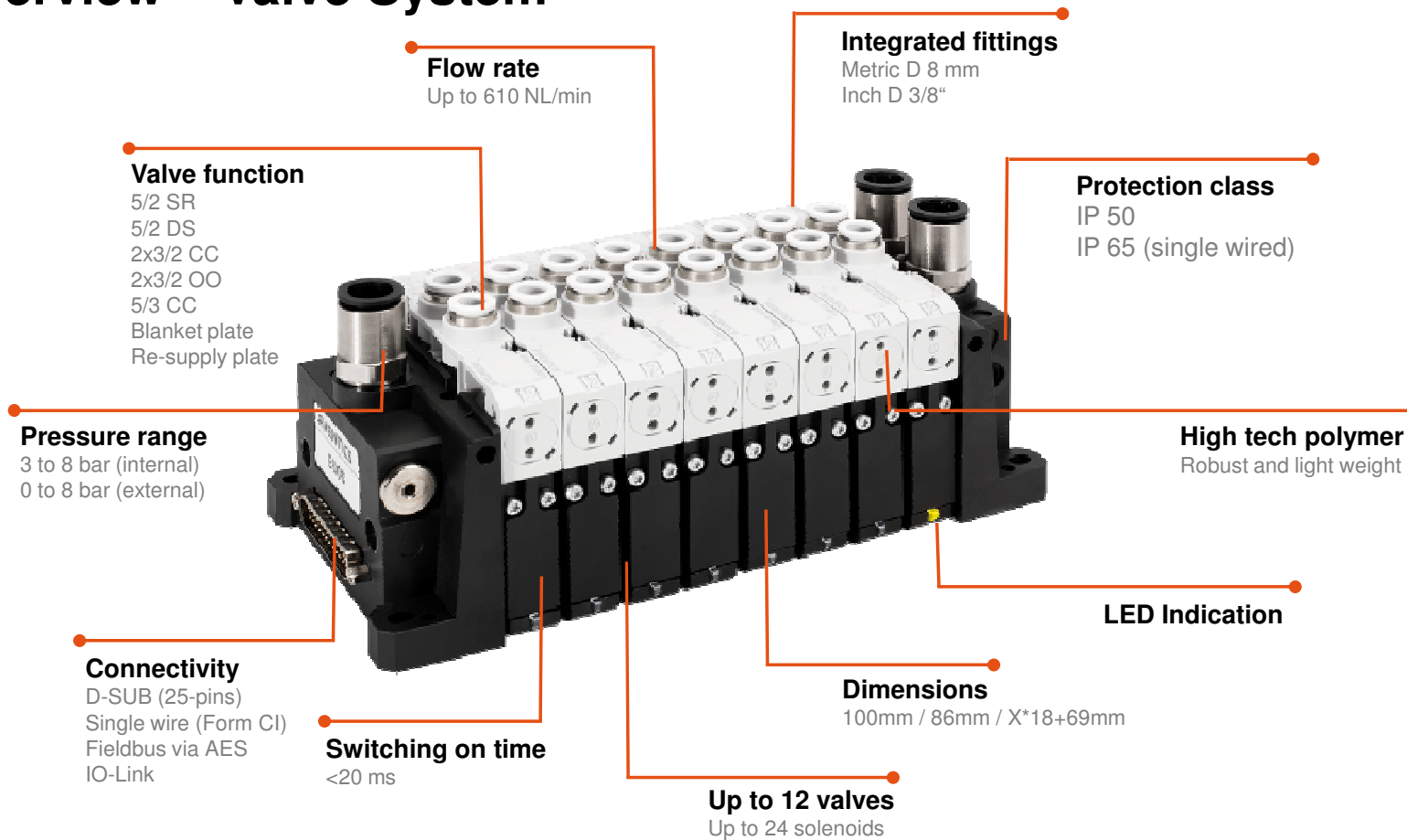
## Essential Markets



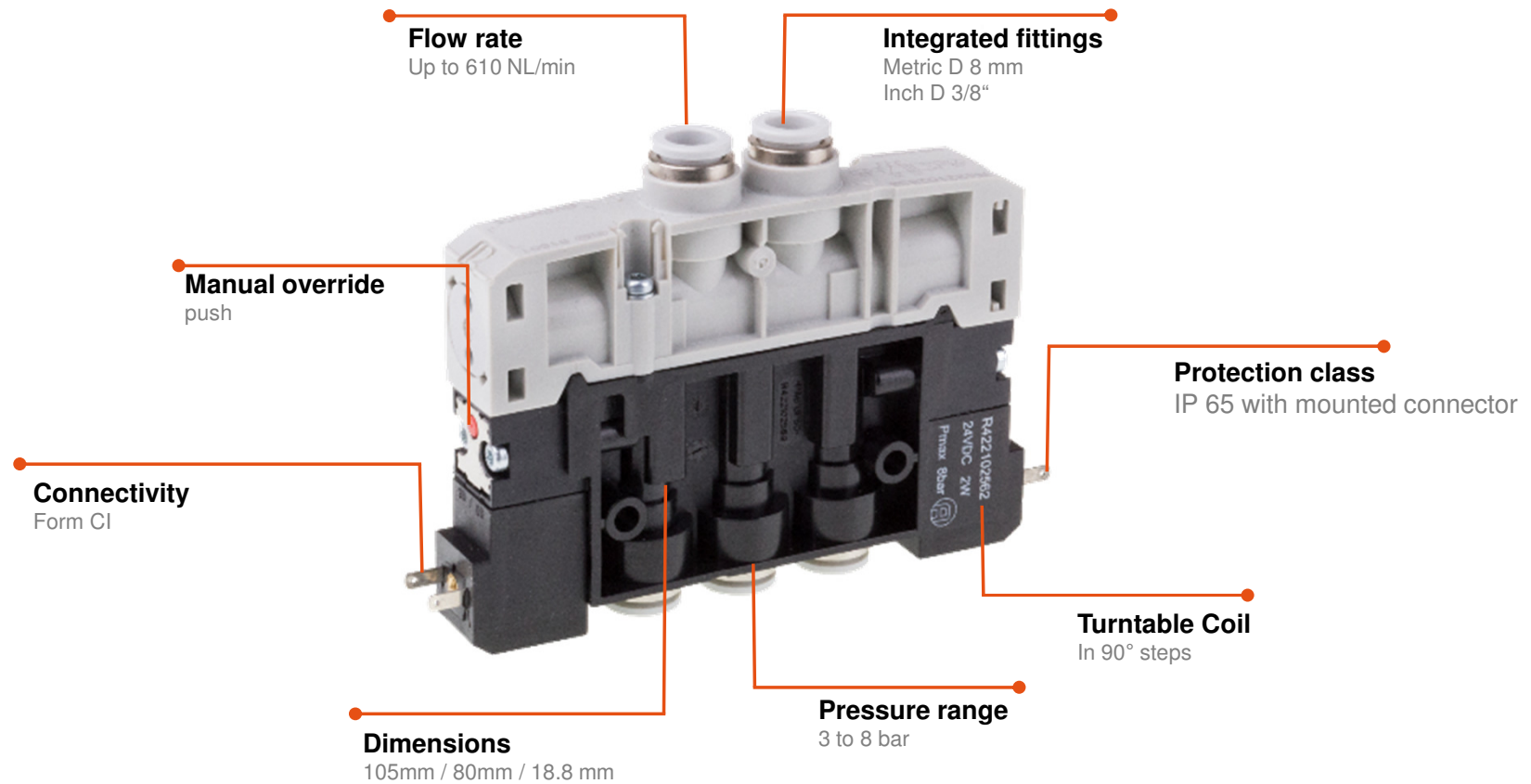
- Elementary pneumatic applications
- Industry automation
- Distribution
- Tailor made machines
- In-house manufacturing

# ES05 - The Essential System

## Overview – Valve System



## Overview – Inline Valve



## Connectivity – Parallel- / Individual - wiring



- D-Sub - connection:
  - D-Sub, 25-pin
  - Type A (Valve 1: 1+2, GND: 25)
  - Type B (Valve 1: 1+14, GND: 13)
  - Single wiring for individual pilots possible
    - Form CI (9.4 mm)
- Single wiring:
  - Form CI (9.4 mm)

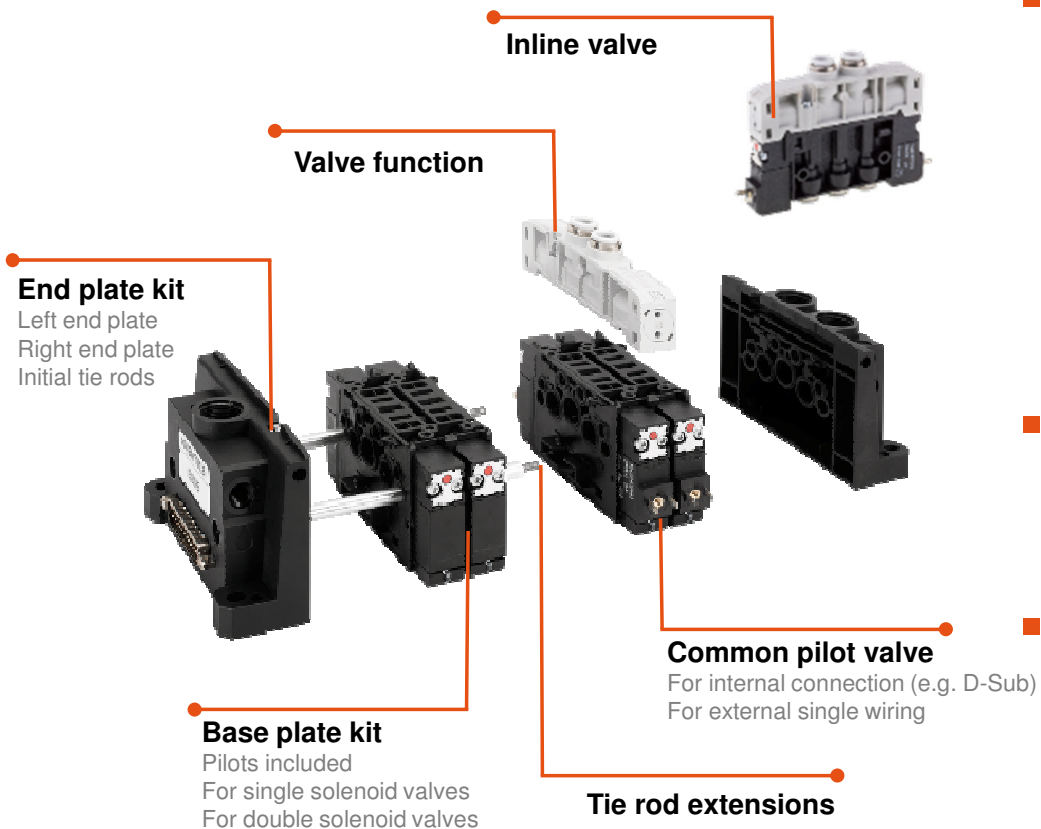
## Connectivity - Fieldbus



- Fieldbus via AES:
  - Profibus DP
  - CAN Open
  - DeviceNet
  - Profinet IO
  - Ethernet IP
  - Ethercat
  - Powerlink
- I/O-Functionality via AES:
  - Digital I/O
  - Analog I/O
  - Special modules
- IO-Link:
  - M12 connection
  - IO-Link device type B



## Modular Building System & Assembly Concept



### ■ Component Overview

- Approx. 25 order numbers (metric or inch)
- Endplate kits
- Base plates
- Valve functions
- Pilot valves
- Tie rods
- Individual Inline valve

### ■ One-Tool-Concept

- Same screw head – Torx TX10
- Same torque – 1.0 Nm

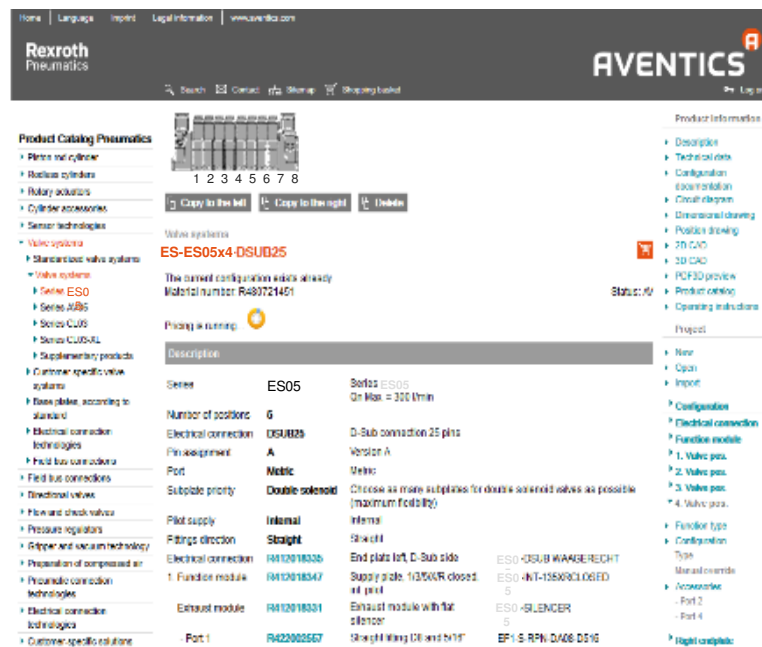
### ■ Essential Test Box

- End-of-line test equipment for own assembly
- Electric & pneumatic test of valve functionality
- Leakage test
- Low invest
- High quality reliability





## Online Configuration and Documentation



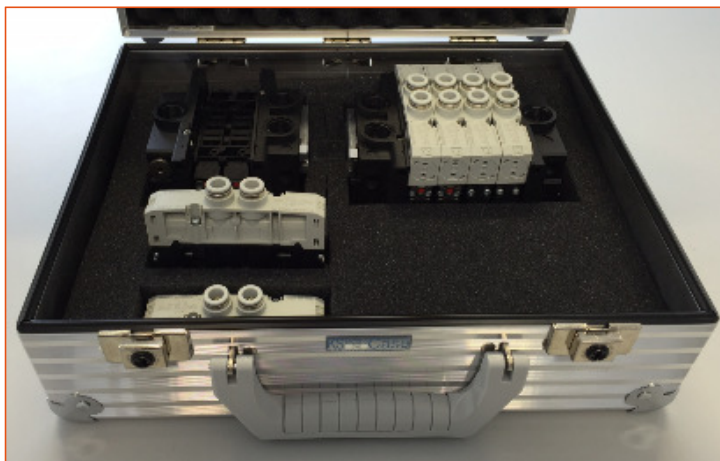
- Configurator
  - Free-of-charge
  - Easy step-by-step configuration
  - Save own configuration
  - Download of project documentation

- Documentation content
  - 2D, 3D data
  - Pneumatic circuit diagram
  - Assembly instruction and drawing
  - Bill of material / Spare part list
  - Manual
  - Free-of-charge-download

- Factory-delivered Systems
  - Individual order number
  - QR-code
    - Link to configurator data



## Distributor Concept



### ■ Starter Packages

- Components for initial stock
  - Different sizes (5 & 20 systems)
  - Metric & Inch version
- Essential Test Box
- Sample case
- Advertisement tools
- Overview of content of starter package and brochures

### ■ Trainings

- Sales training
- Hands-on training
- Assembly training
- Qualification training including certificate

## Strength and Advantages for your Benefit

- Modular building system
- Low numbers of parts



- Easy assembly
- Stock optimization

- Electrical Connectivity
- Single wire, D-SUB, Fieldbus



- High flexibility

- Simple assembly concept
- One tool concept



- High quality
- In-house production

- AVENTICS configurator
- Product documentation



- Almost all necessary documentation available

## ES05 - The Essential System

AVENTICS<sup>®</sup>



**ES05 – It's that easy**

