

MODUFLEX VALVE SYSTEM



ENGINEERING YOUR SUCCESS.

Full Range Overview



Multi-wiring

Industrial Communication

V Series



T Series



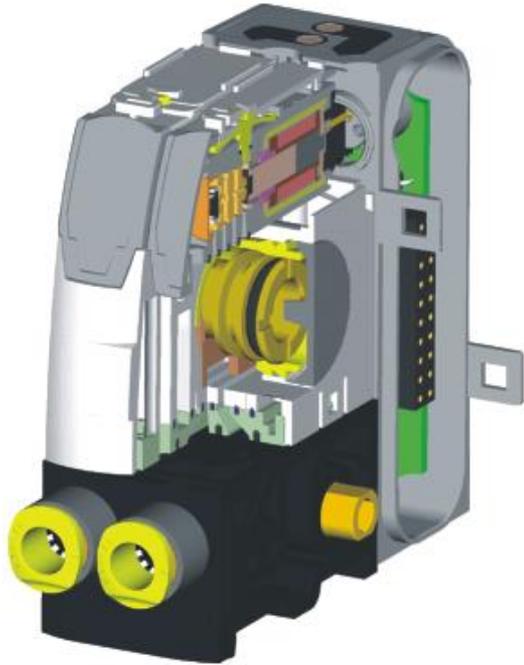
S Series



P Series

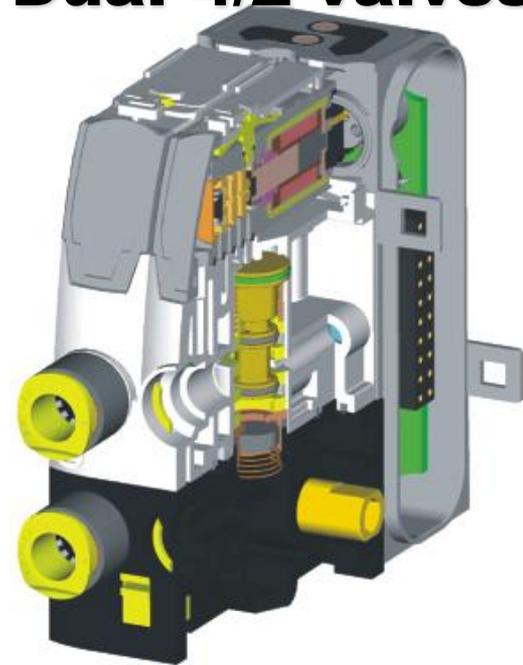
2 Technology Platforms

4/2 valve



The standard 4/2 valves adopt the long life super durable ceramic switching technology

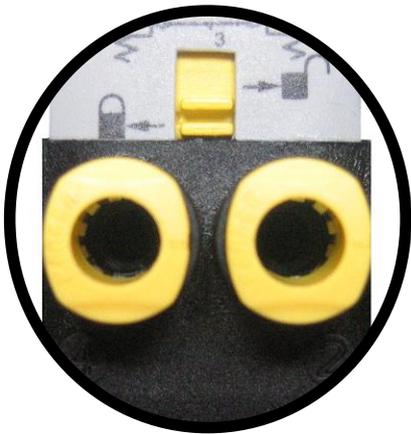
Dual 3/2 & Dual 4/2 valves



The compact dual 4/2 and 3/2 valves using well proven WCS Parker seal technology

Fitting Clip System

- Short mounting time
- Clear marking
- For the valves, supply module and intermediate module



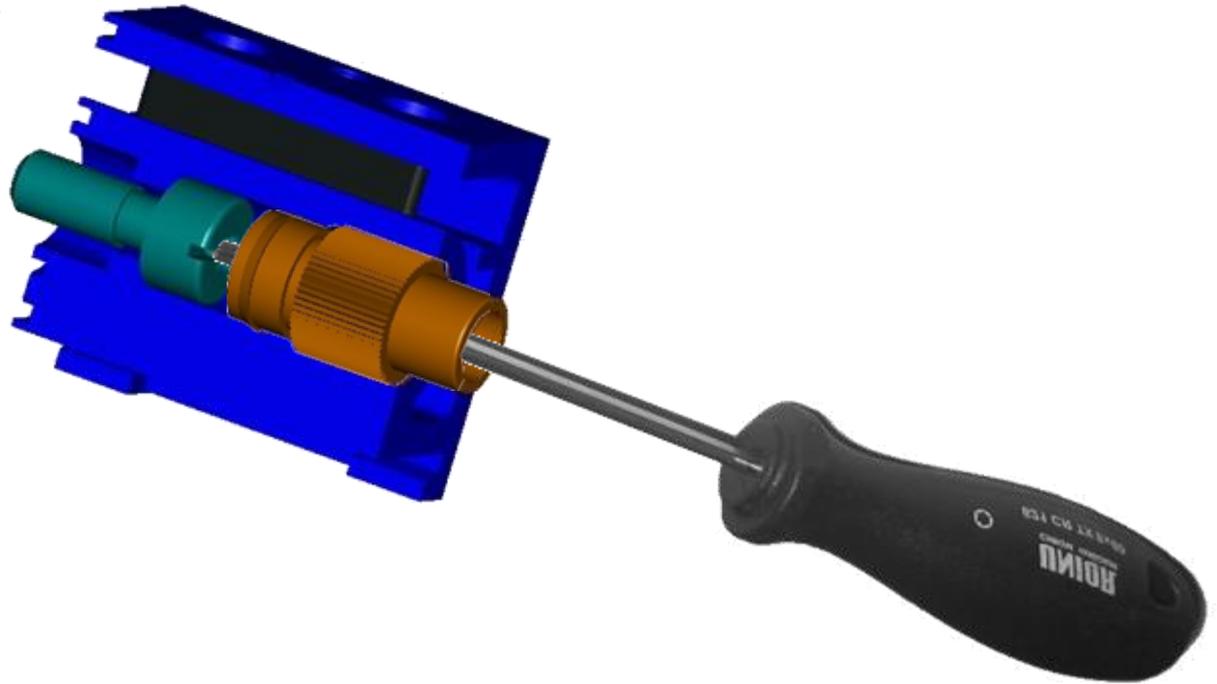
For Size 1 & Size 2



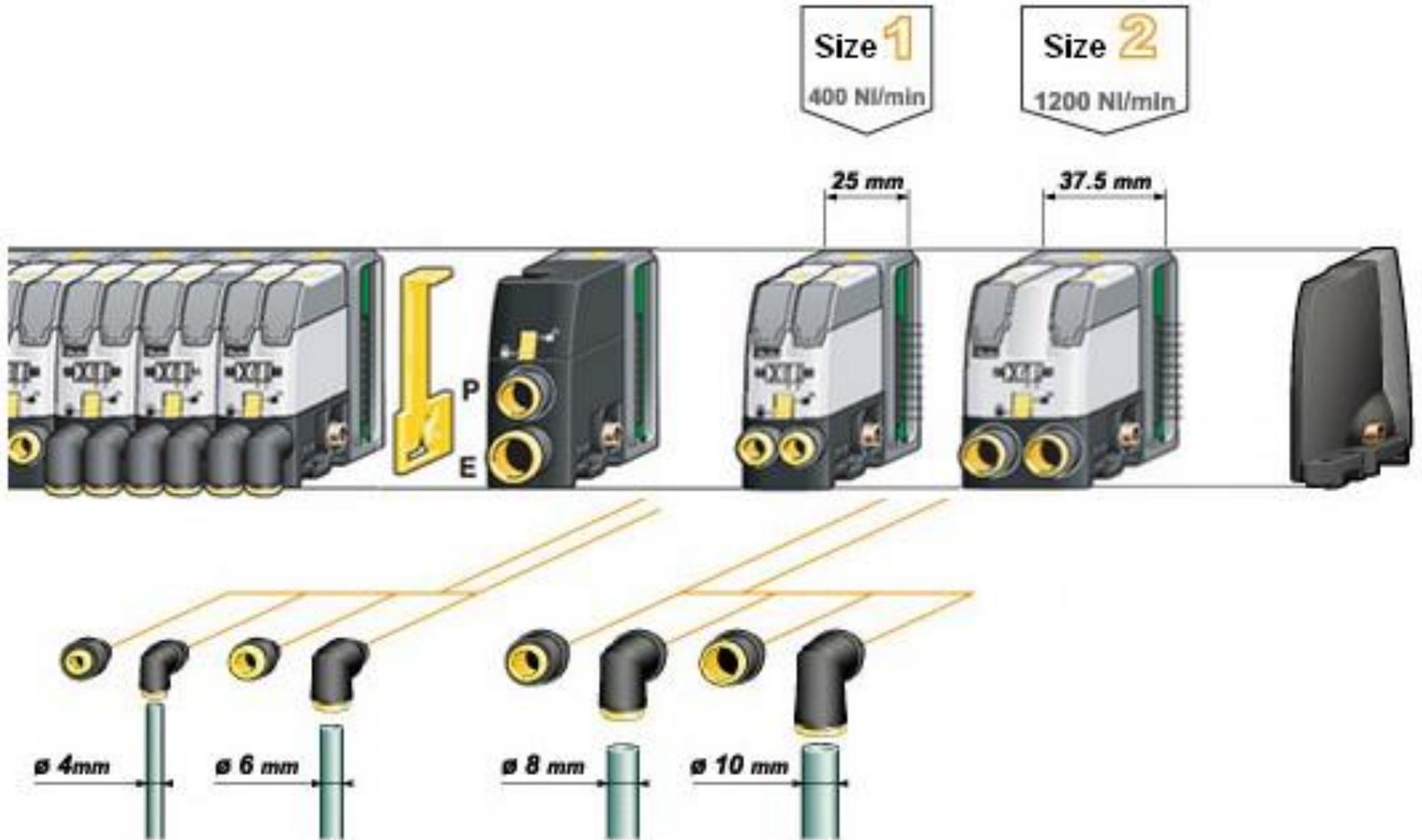
For Micro-Moduflex

Tie-Rod and Sub-base

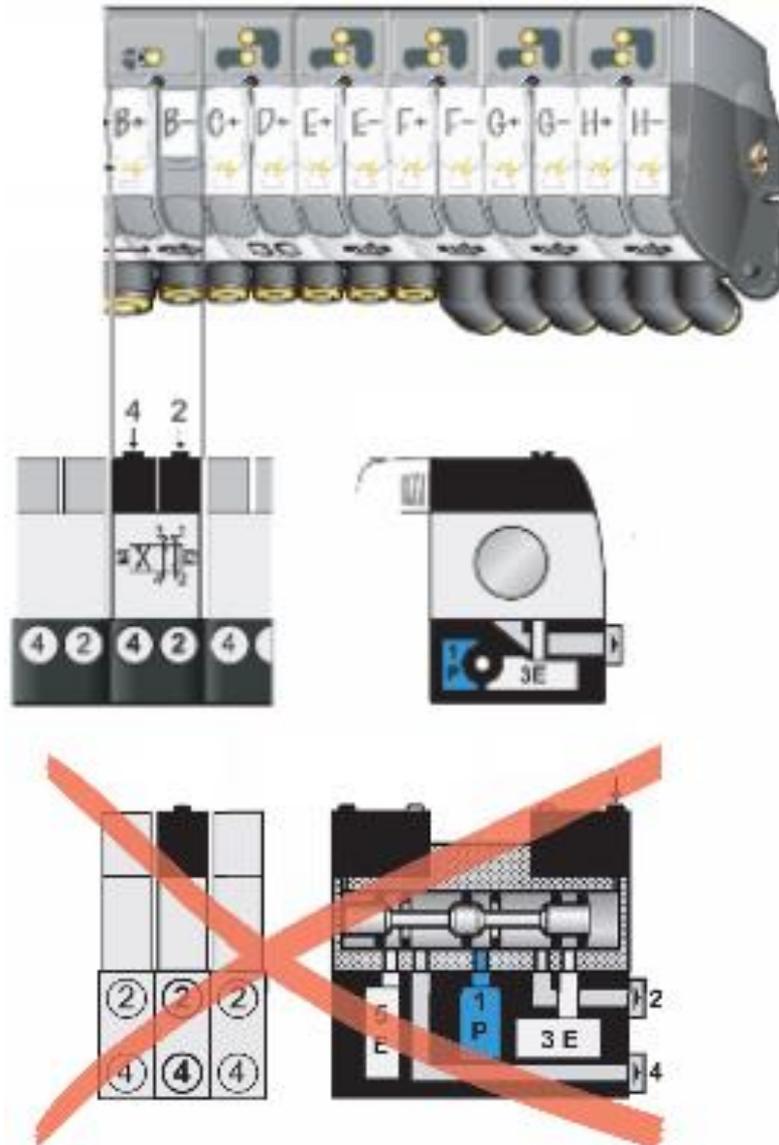
- 2 separate parts for fixation
- Torx T8 screws
- No more aligning of flats
- No over torque
- Easy mounting
- Short assembling time
- Flexible system
- Reinforced sub-bases
- Straight islands
- Reverse compatible



Moduflex Adaptive



Complete and Easy Man-Machine dialogue



V Series

Integrated Connection Valve Islands
Multi-Wiring or Industrial Communication

Multipole wiring

Fieldbus communication



Sub-D connector

IP depending on femal connector



Guillotine connector

IP65



T Series

Traditional Valve Islands



Electrical version ...

IP67



... or Pneumatic version

Ø 4 mm built-in connector

S Series

Stand Alone Valves



Electrical version ...

IP67



Pneumatic version
built-in Ø 4 mm connector

P Series

Peripheral Control Modules



Pneumatic Regulator



Dual Flow Control



Vacuum generator



Dual P.O check valve

Ordering Options



Basic Modules

These modules are supplied without connectors, the choice of plug-in connectors enables total flexibility in the field; (Preferred ordering method for best price and delivery.)

Complete Modules

Supplied complete with connectors, for use with valve islands or as stand-alone valves or peripheral modules; Consult your local distributor or Parker location for Assembly information, price and delivery.



Pre-assembled Valve Islands

Supplied fully assembled to specifications and complete with pneumatic and electrical connectors. Islands can be easily configured with the Moduflex Configurator Software.

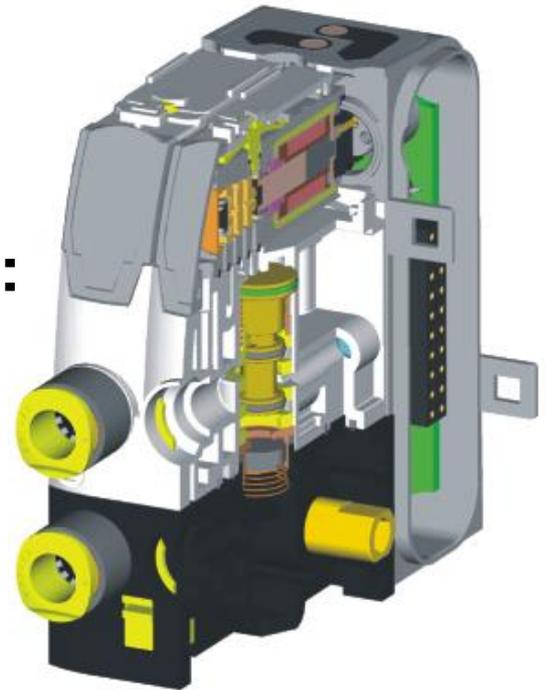
See technical catalogue CD.



Micro-Moduflex

Technologie

- **Include TWO functions in ONE body :**
 - 2 x 4/2 valves single solenoid
- **High performance sealing :**
 - 50 M Cycle



Micro-Moduflex Size 1

Flow Rate

- Nominal flow rate :
- $Q_n = 165 \text{ NI/min}$ per valve
- Maximal flow rate :
 - $Q_{max.} = 275 \text{ l/mn}$



> 2m/s

Speed

< 500mm/s



Ø 10 mm



Ø 12 mm



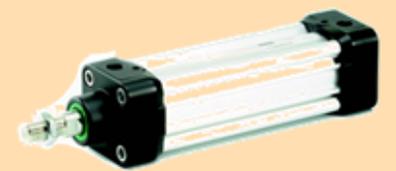
Ø 16 mm



Ø 20 mm



Ø 25 mm



Ø 32 mm



Micro-Moduflex Size 1

Module Width equivalent to Size 1

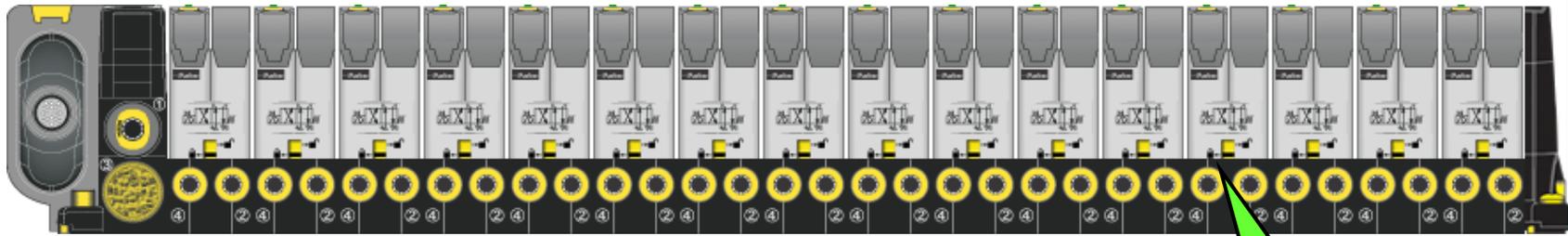


Micro-Moduflex Size 1

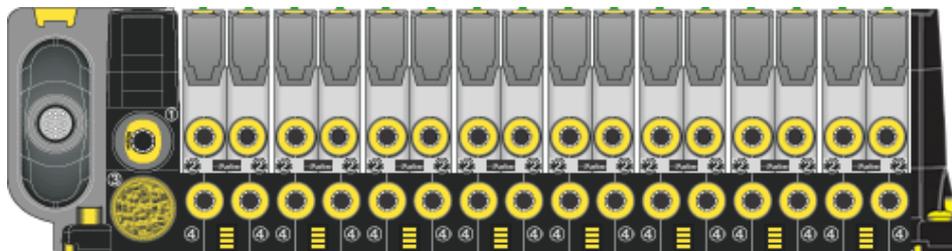
Size Advantage ...



463 mm



263 mm

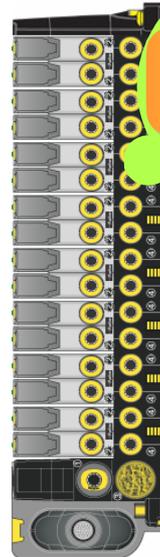
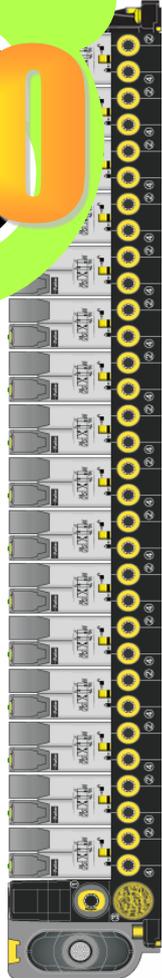
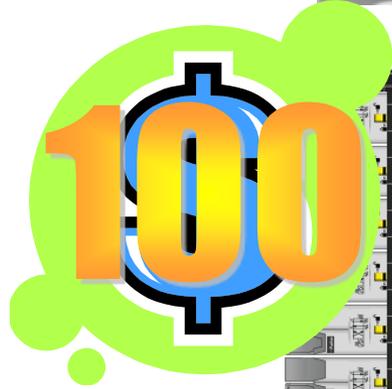


Save
> 40%



Micro-Moduflex Size 1

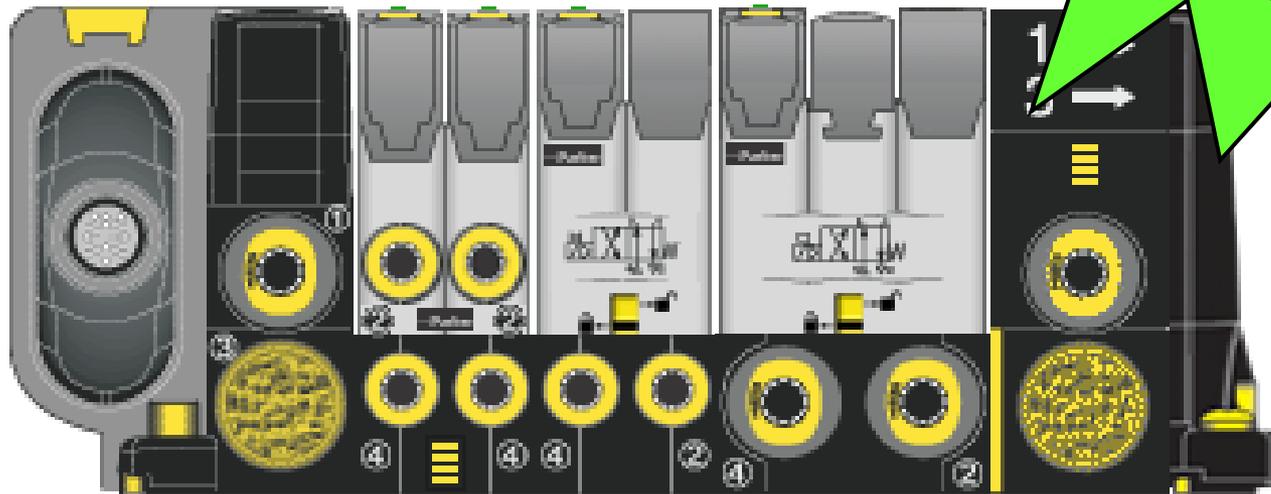
Price Advantage ...



Micro-Moduflex Size 1

Compatibility with MODUFLEX Valve

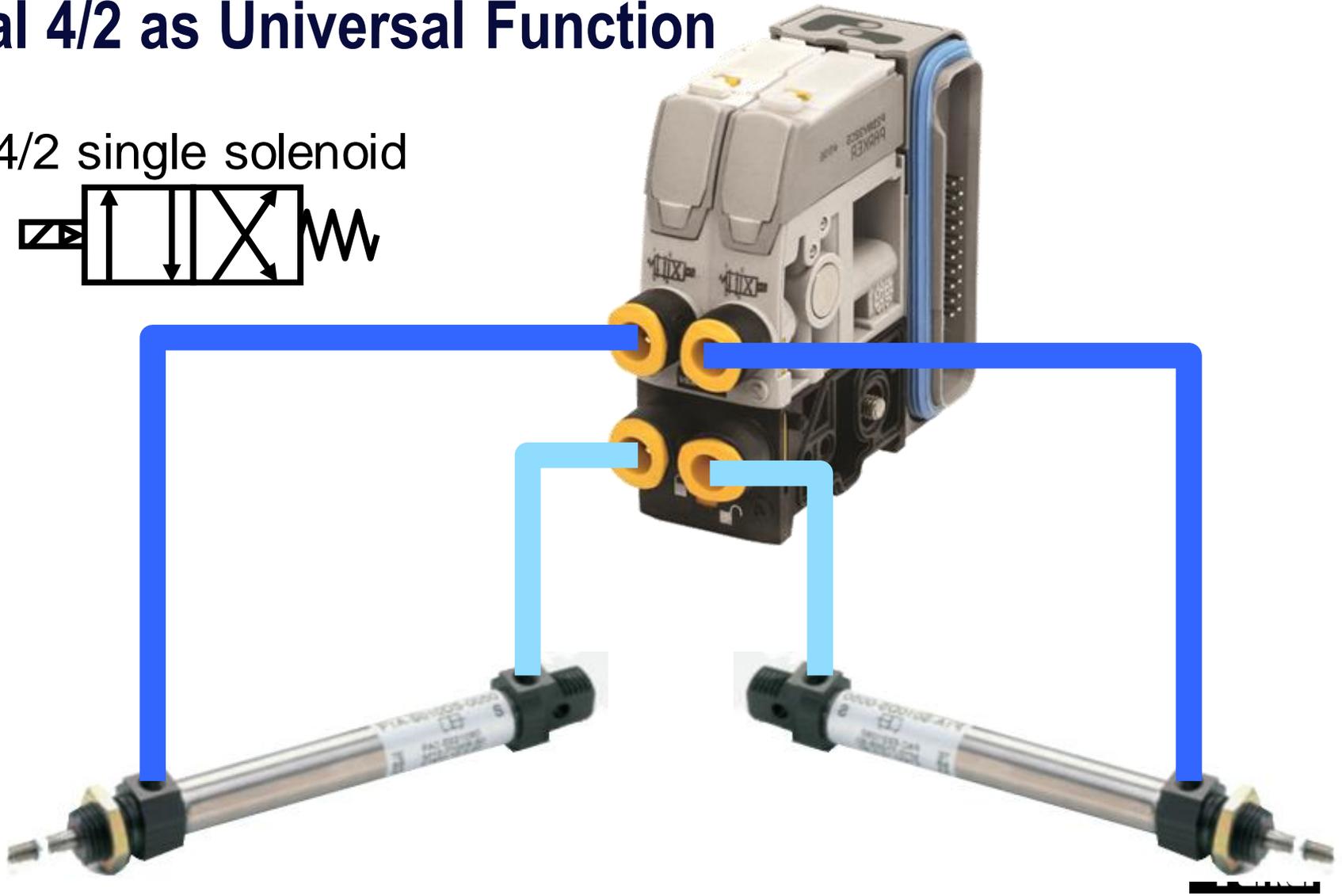
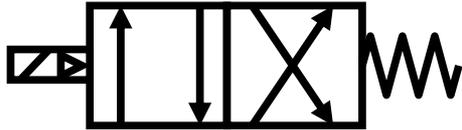
Fully Compatible
With Moduflex Valve
Sizes 1 & 2



Micro-Moduflex Size 1

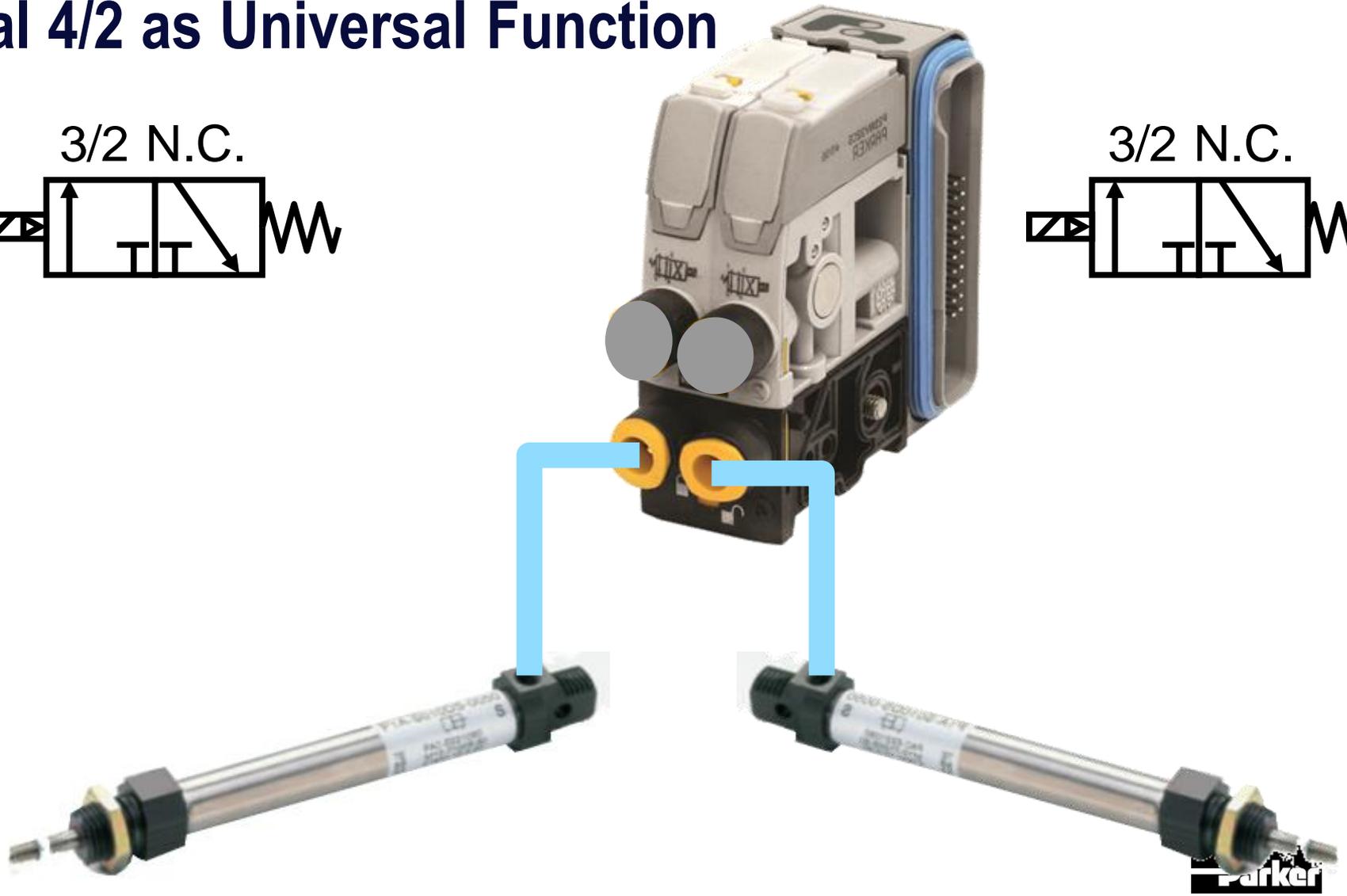
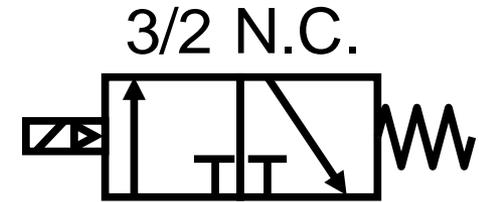
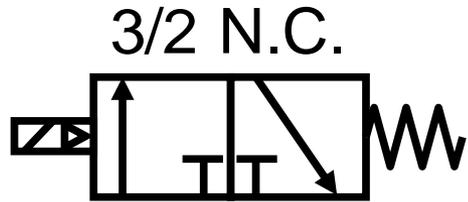
Dual 4/2 as Universal Function

4/2 single solenoid



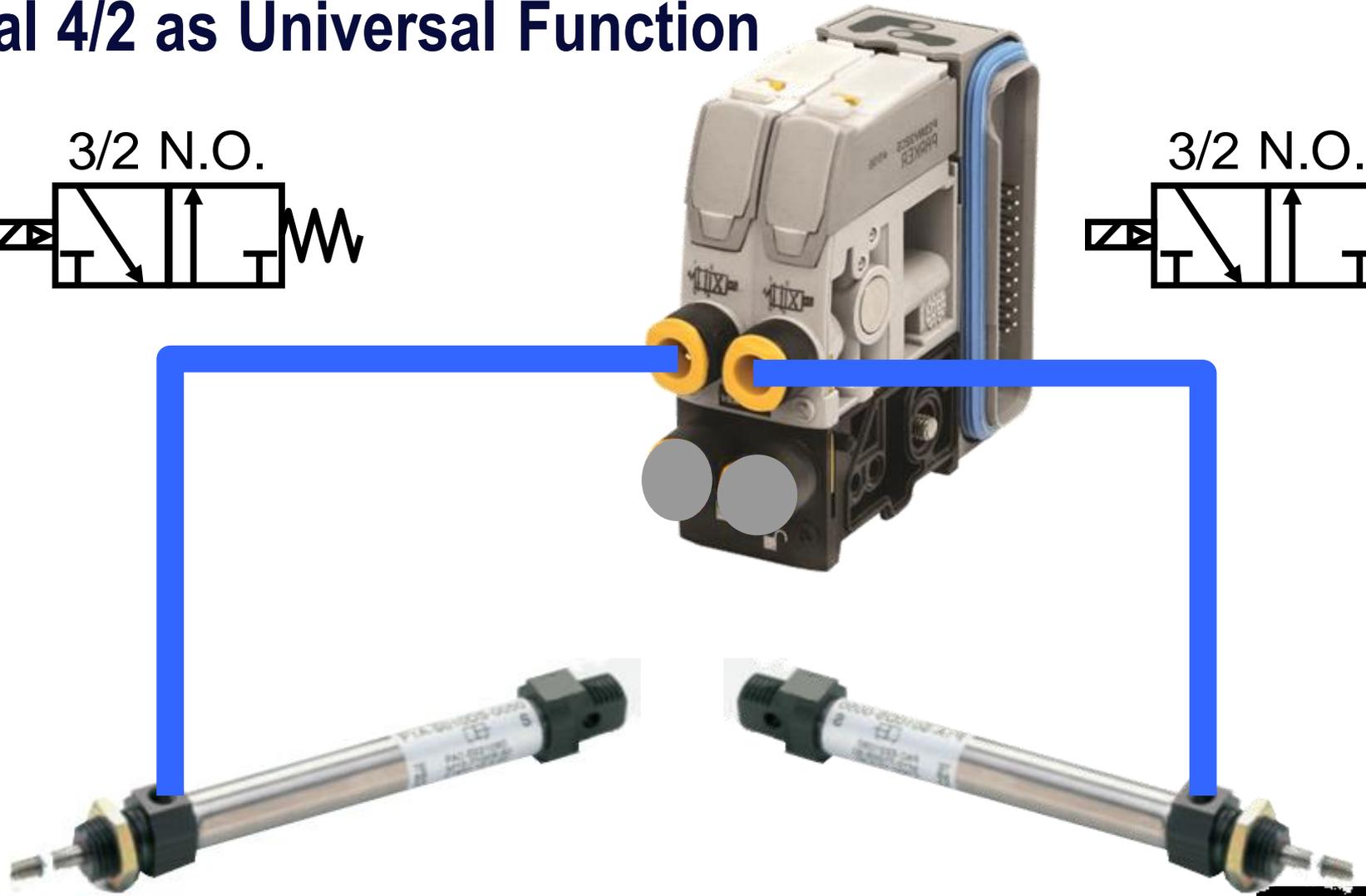
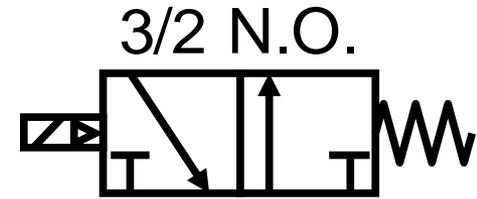
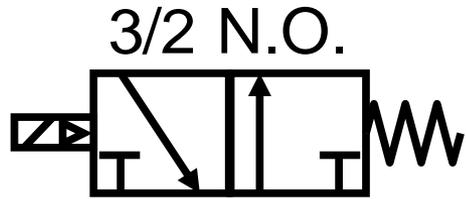
Micro-Moduflex Size 1

Dual 4/2 as Universal Function



Micro-Moduflex Size 1

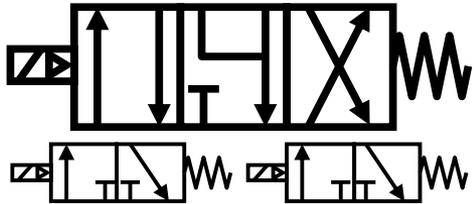
Dual 4/2 as Universal Function



Micro-Moduflex Size 1

Dual 4/2 as Universal Function

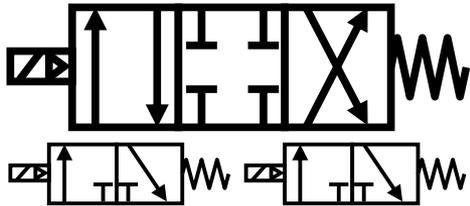
4/3 Opened center



Micro-Moduflex Size 1

Dual 4/2 as Universal Function

4/3 Closed center



Marketing Tools

- Sales Leaflet Moduflex
- Poster
- Technical Catalog (incl manual)
- Configurator CD (can be download from PDE MIS)
- Dedicated web page with e-Configurator & CAD generator (from <http://www.parker.com/pneu/moduflex> & <http://www.parker.com/pde/cad>)
- Micro-Moduflex dual 4/2 Sales Leaflet
- Torx T8 screw driver
- Demo case
- Design Wins

Moduflex valve system
Instant control for all pneumatic actuators
A unique, global, universal and compact solenoid valve system
Catalogue No. PDE 25476/UKrev
June 2006

Modular valve islands or stand-alone valves

CAD

Moduflex Valve System
Instant control for all pneumatic actuators
Catalogue PDE 25476/UKrev
June 2006

Moduflex valve system configurator
Version 3.1
06.2006
anything possible PDE303CD3-1-06

ENGINEERING YOUR SUCCESS.

Parker

Design Win E27UK

Parker Moduflex Valve Islands improve cycle time of special purpose machines

Problem
Customer faced with a major French manufacturer of industrial robot arms. Robot arms were used to assemble and assemble various types of valves and actuators. They indicated that each laboratory had its own set of valves and actuators. This was a major problem for the customer as it meant that each laboratory had to maintain its own inventory of valves and actuators. This was a major problem for the customer as it meant that each laboratory had to maintain its own inventory of valves and actuators.

Solution
The customer needed a solution that would allow them to use a single set of valves and actuators for all laboratories. The solution was to use Parker Moduflex Valve Islands. These islands are compact and universal, and can be used in a wide range of applications. This allowed the customer to reduce their inventory and improve their cycle time.

Success Factors
A number of success factors made it possible for the customer to use Parker Moduflex Valve Islands. These factors include the compact size of the islands, the universal nature of the islands, and the ease of installation. The customer was able to reduce their inventory and improve their cycle time.

Customer Value
The customer benefited from the use of Parker Moduflex Valve Islands in several ways. First, they were able to reduce their inventory of valves and actuators. Second, they were able to improve their cycle time. Third, they were able to reduce the risk of obsolescence. Finally, they were able to improve the quality of their products.

Parker Potential \$100k / Annum

FEATURED PRODUCTS: Moduflex Valve Islands

Special Industry Manufacturer
Special Industry Manufacturer



Micro-Moduflex
Micro-distributors pneumatiques en îlots modulaires

ENGINEERING YOUR SUCCESS.

Any Questions

Many Thanks
for your
Attention