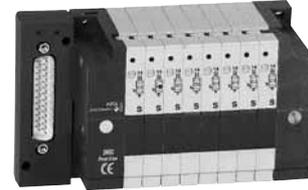


COMPACT 8 & 13 valve islands are available in different versions to meet the needs of the most varied of systems; IP65 protection is available for direct incorporation in a machine. The connection is made with a multiwire cable or fieldbus control.

■ **MULTIWIRE CONNECTION: MULTIPOL**

MULTIPOL allows the connection to a control system (PLC) with a multiwire cable for simple wiring. The electrical connection is made with a 25-pin SUB-D connector.

Maximum capacity of a MULTIPOL island: 16 spool valves, with a limitation of 21 solenoid coils.



■ **FIELDBUS CONTROL - BUSLINK**

• **PROFIBUS-DP protocol**

Valve island for data exchange via fieldbus and standardised PROFIBUS-DP protocol. Connection between the control system (PLC) and the valve islands by means of 2 round M12 connectors, code B or a T-connector.

Supply connection with a 4-pin M8 connector.

Maximum capacity of a PROFIBUS-DP island: 16 spool valves.



• **DEVICE NET or CAN OPEN protocol**

Valve island for data exchange via fieldbus and standardised protocol DEVICE NET or CAN OPEN.

Connection with a 5-wire cable.

Connection with a round 5-pin M12 connector.

Supply connection with a 4-pin M8 connector.

Maximum capacity of a DEVICE NET/CAN OPEN island: 16 spool valves.



DeviceNet™
CANopen

COMPACT 8 & 13 VALVE ISLANDS

Maximum performance

Compact 8 & 13 pneumatic valve islands go even further in miniaturisation. They offer maximum flow performance in a minimum amount of space with spool valves of only 8 or 13 mm width.

Their features:

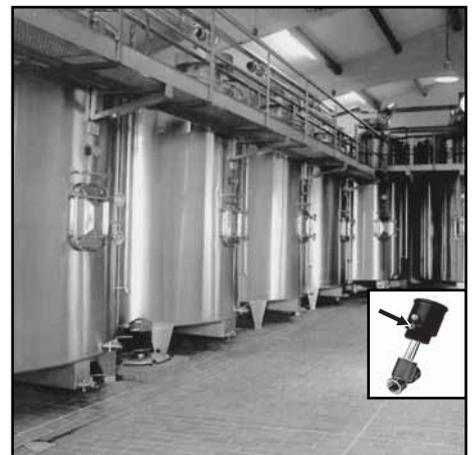
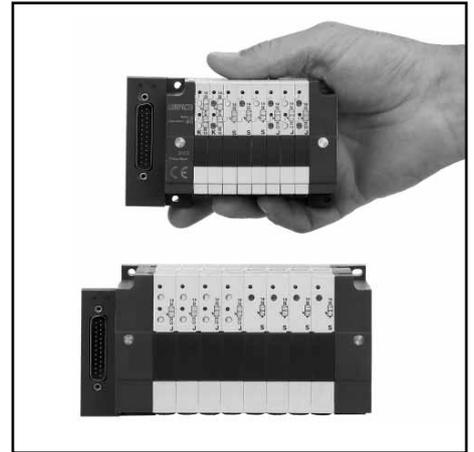
- 300 l/min ANR (Compact 8) or 750 l/min ANR (Compact 13)
- IP 65 protection rating for direct assembly onto machines
- New multiwire configuration in standard or optimised mode
- Fieldbus compatibility
- Flexible configuration options
- Ease of installation and use

Small and ease of installation for total integration

The Compact 8 is the smallest and most light-weight valve island currently on the market for a 300 l/min ANR flow. It is therefore the perfect match for applications where compact size is a factor of choice.

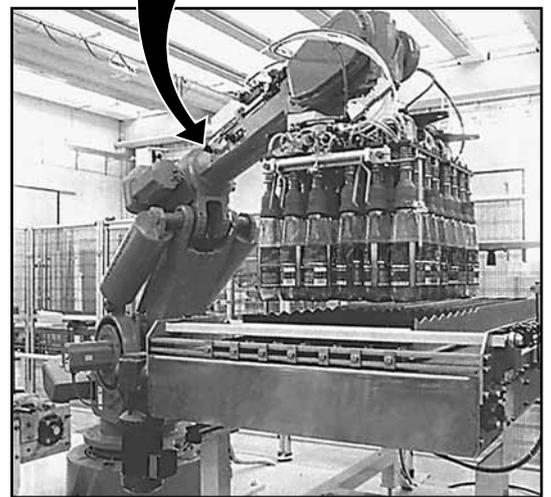
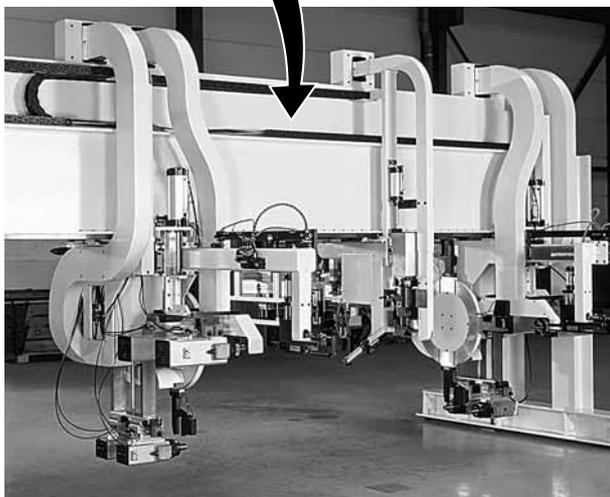
The Compact 13 can supply pressure to cylinders with barrels of up to 80 mm.

Because of their small dimensions, superior performance and multiple connection options, Compact 8 & 13 islands can be directly incorporated in machines and provide electrical connections suited to all types of installations.



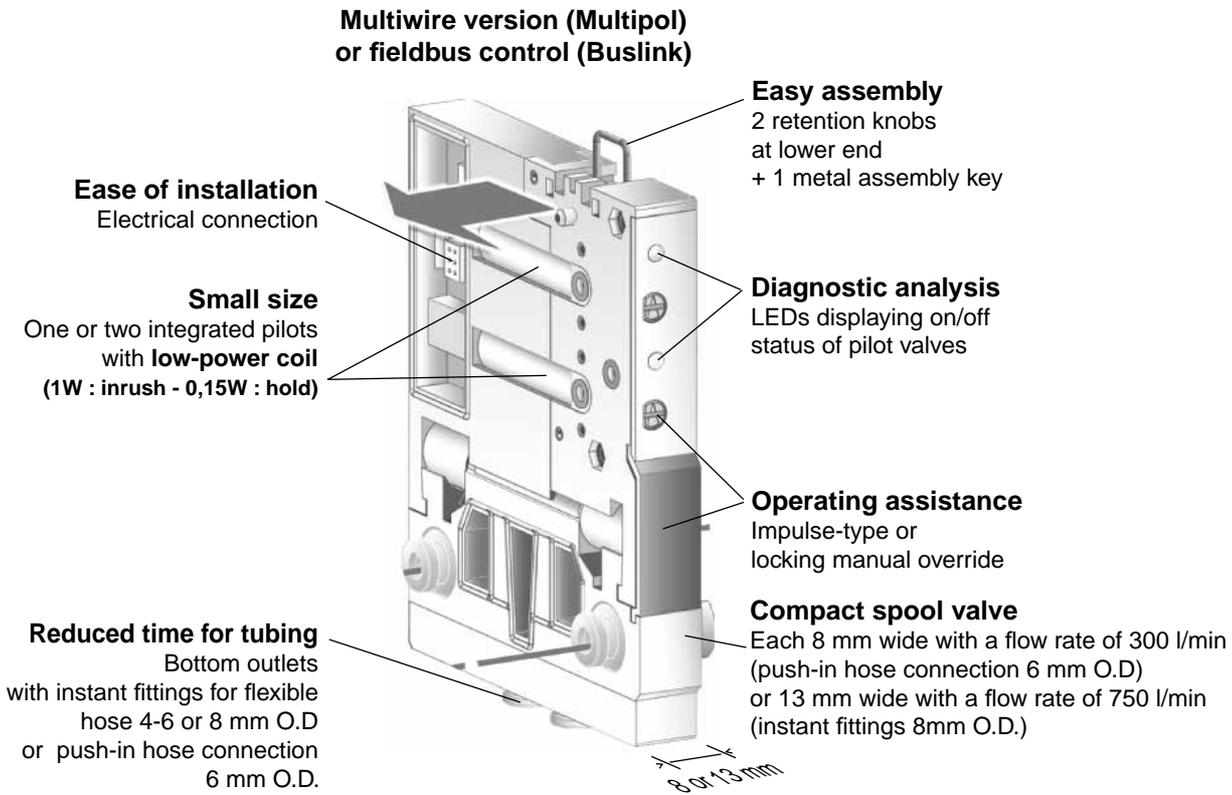
Buslink valve island for operation with the following fieldbus systems:
Profibus-DP, DeviceNet or CANopen

Multipol valve island

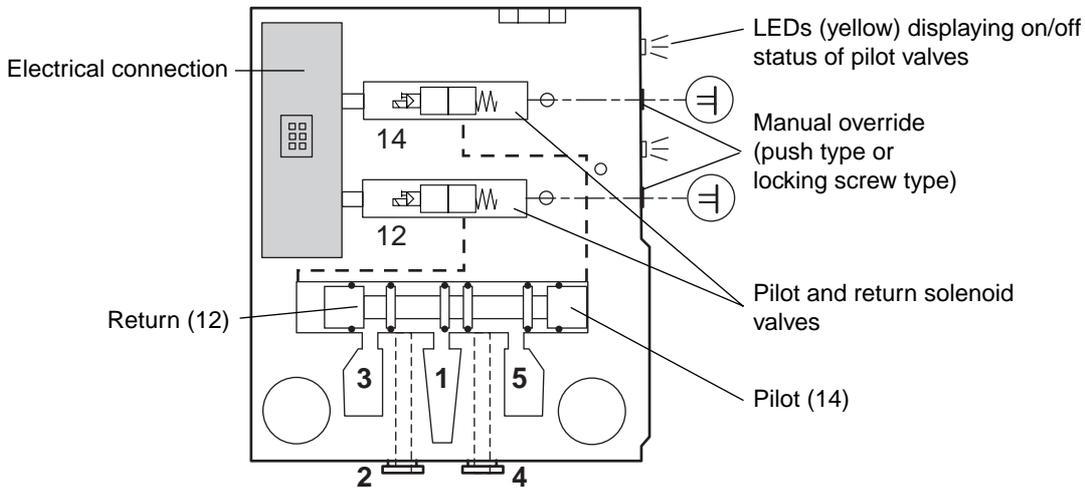


SOLENOID AIR OPERATED COMPACT 8 & 13 VALVE ISLANDS

We introduce a new concept of solenoid air operated spool valves which can be fitted together to form islands. Due to their new design, the major advantages of these spool valves are their reduced size, superior performance and modular structure. They offer simple operation, as well as diagnostic analysis and maintenance features.



Structure of the joinable spool valves



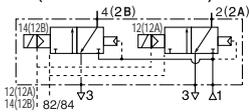
RANGE OF SPOOL VALVES

Seven functions are available in the monostable or bistable version in the same size.

2 x 3/2 NC monostable

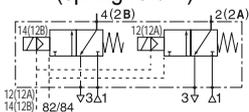
Compact 8

(differential return)



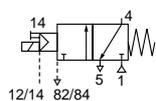
or **Compact 13**

(spring return)



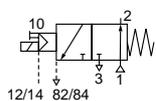
Type : **K**

3/2 NC
(spring return)



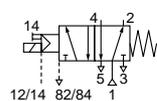
Type : **Z**

3/2 NO
(spring return)



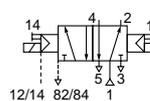
Type : **L**

5/2 monostable
(spring return)



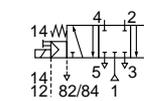
Type : **S**

5/2 bistable



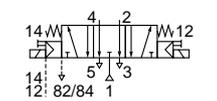
Type : **J**

5/3 centre closed
(W1)



Type : **G**

5/3 centre open to exhaust
(W3)



Type : **E**

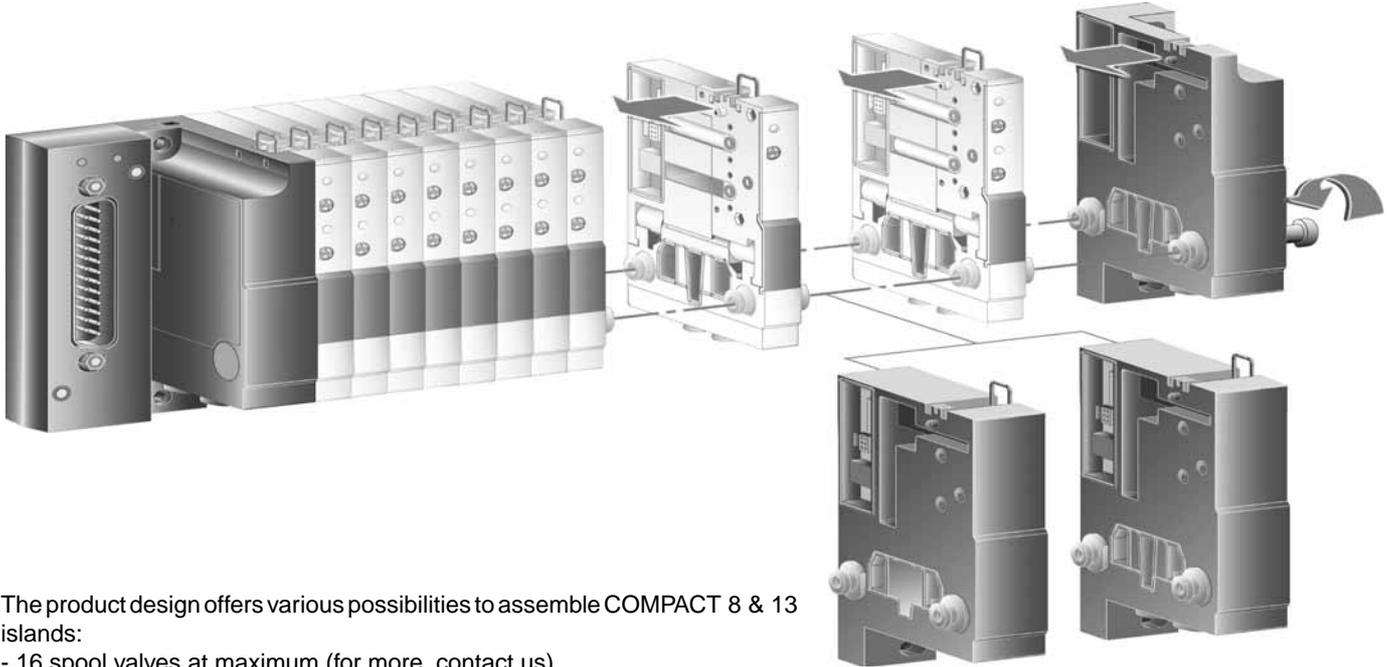
For characteristics and codes for each version see page 19

For summary of valve island versions see page 5

All leaflets are available on: www.asco-process-scope.com

MODULAR DESIGN

COMPACT 8 & 13 valve islands: functional, modular units which are adapted to your needs and save time with quick and easy assembly. The islands are delivered pre-assembled, tested and ready for installation, or as individual components to be fitted together on-site.



The product design offers various possibilities to assemble COMPACT 8 & 13 islands:

- 16 spool valves at maximum (for more, contact us).
- Mixture of all types of spool valves
- Internal or external pilot pressure supply (identical for the whole island).
- Accessory intermediate pressure modules to supply the island with more than one pressure level including vacuum.
- On-site extension due to easy assembly.

CHOICE OF ELECTRICAL CONNECTION

With the COMPACT 8 & 13 valve islands you can choose between different types of electrical connection modules.

- (A) Spool valves with modular electrical connection
- (B) Multiwire MULTIPOL connection module - IP65
- (C) Connection module for PROFIBUS-DP
- (D) Connection module for DEVICE-NET or CAN OPEN

The versions shown opposite can be assembled with these components.

