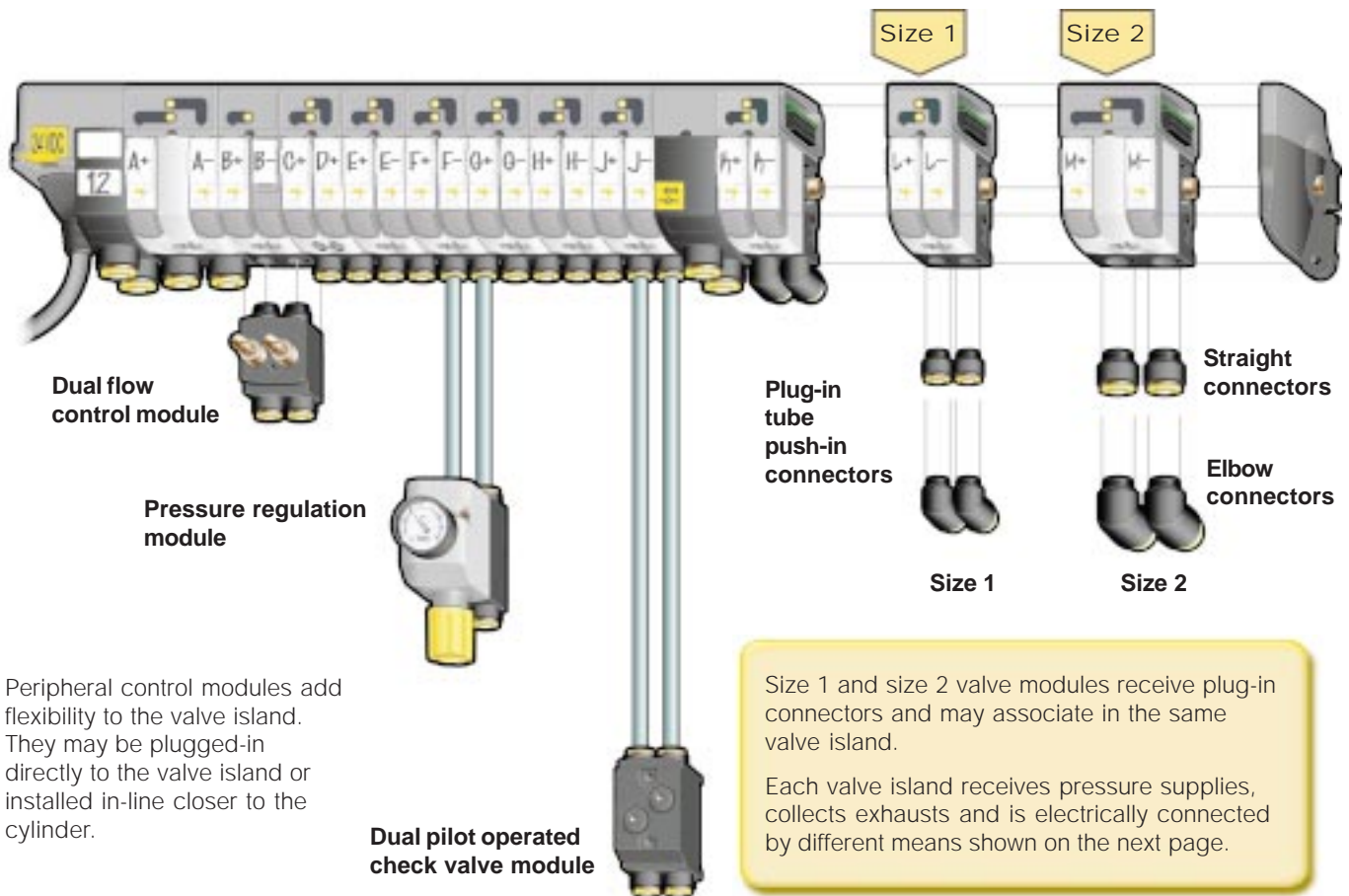
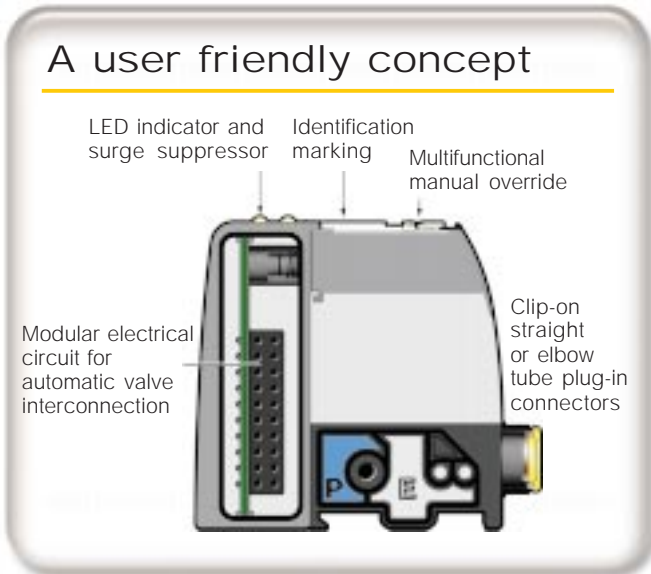


# A compact modular and flexible valve system

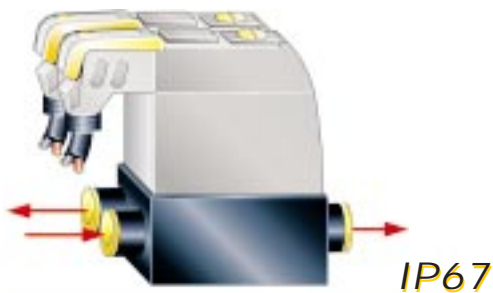
Moduflex is a compact and complete system: it covers all pneumatic installation requirements with a simple choice of either stand-alone, short build island or central valve island configurations. Assembled in minutes, valve islands can incorporate a mix of 2 valve sizes, peripheral module and intermediate supply modules.



Peripheral control modules add flexibility to the valve island. They may be plugged-in directly to the valve island or installed in-line closer to the cylinder.



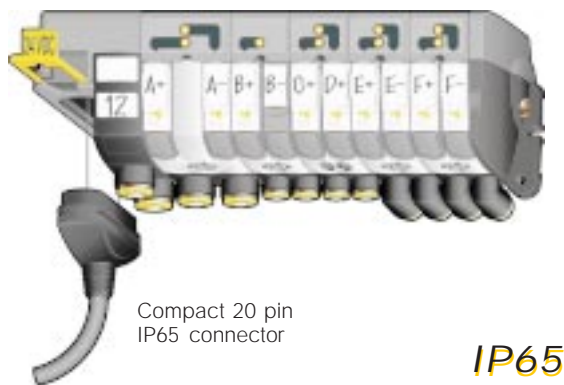
### Stand alone modules



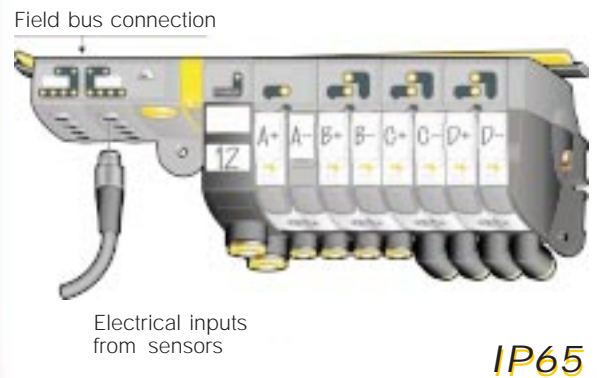
### Modular Islands with individual connectors



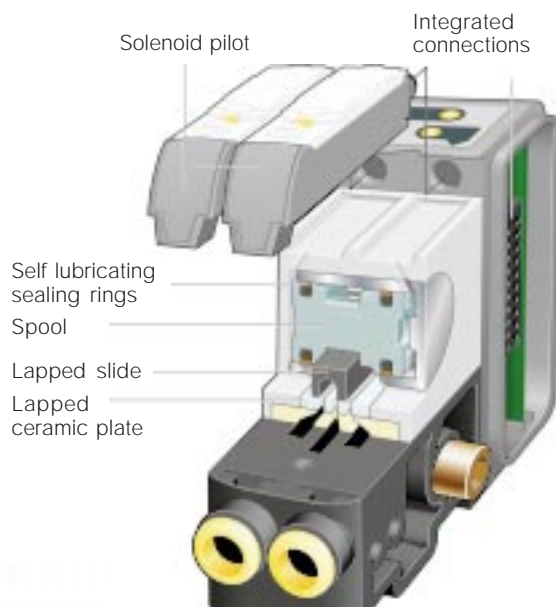
### Modular Islands with integrated connections and multi-wire cable



### Modular Islands with integrated connections and bus connection



### High performance technology



### Valve functions and flow passage

	Size 1 12 mm flow passage 400 NI/min	Size 2 40 mm flow passage 1200 NI/min
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<b>4/2 single solenoid</b> 4 way monostable 		
<b>4/2 double solenoid</b> 4 way bistable 		
<b>Double 3/2 NC (≅4/3)</b> Double 3 way normally closed monostable 		*
<b>Double 3/2 NO (≅4/3)</b> Double 3 way normally open monostable 		*

\*Flow : 800 NI/min

- High flow, compact size
- Mixable valve sizes
- Stand alone valves, modular islands with individual or integrated wiring
- Integrated selectable internal or external pilot supply and exhaust
- Optional peripheral modules
- Push-in connection
- DIN rail or block mounting



## Operating information

For technical information see CD

Working pressure: -0.9 to 8 bar  
 Pilot pressure : 3 to 8 bar\*  
 Working temperature -15 °C to +60 °C  
 Protection Individual connectors IP67 NEMA4  
 Protection Integrated connectors IP65  
 Voltage: 24V DC

Flow (Qmax): **Size 1** 400NI/min **Size 2** 1200 NI/min\*\*

Flow measured with valve stacked in island.  
 \* : for pressure below these values, use external pilot supply.  
 \*\* : except 2 x 3/2 = 800 NI/min

Serie :



### Basic module Size 1

#### For Island with integrated connections

#### For Islands with individual connections

#### For stand-alone valve

	Symbol	Size	Order code
4/2 Monostable Singlesolenoid		1	P2M1V4ES2CV
4/2 Bistable Doublesolenoid		1	P2M1V4EE2CV
3/2 NC + NC Doublesolenoid with exhaust check valves		1	P2M1VDEE2CV
3/2 NO + NO Doublesolenoid with exhaust check valves		1	P2M1VCEE2CV
3/2 NC + NO Doublesolenoid with exhaust check valves		1	P2M1VEEE2CV
3/2 NC Singlesolenoid with exhaust check valves		1	P2M1V3ES2CV
4/3 Vented centre = double 3/2 NF + NF with no exhaust check valve		1	P2M1VGEE2CV

Size	Order code
1	P2M1T4ES2C
1	P2M1T4EE2C
1	P2M1TDEE2C
1	P2M1TCEE2C
1	P2M1TEEE2C
1	P2M1T3ES2C
1	P2M1TGEE2C

Size	Order code
1	P2M1S4ES2C
1	P2M1S4EE2C
1	P2M1SDEE2C
1	P2M1SCEE2C
1	P2M1SEEE2C
1	P2M1S3ES2C
1	P2M1SGEE2C

### Basic module Size 2

#### For Island with integrated connections

#### For Island with individual connections

#### For stand-alone valve

	Symbol	Size	Order code
4/2 Monostable Singlesolenoid		2	P2M2V4ES2CV
4/2 Bistable Doublesolenoid		2	P2M2V4EE2CV
3/2 NC + NC Doublesolenoid with exhaust check valves		2	P2M2VDEE2CV
3/2 NO + NO Doublesolenoid with exhaust check valves		2	P2M2VCEE2CV
3/2 NC + NO Doublesolenoid with exhaust check valves		2	P2M2VEEE2CV
3/2 NC Singlesolenoid with exhaust check valves		2	P2M2V3ES2CV
4/3 Vented centre = double 3/2 NC + NC with no exhaust check valve		2	P2M2VGEE2CV


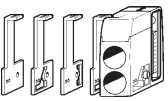

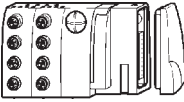
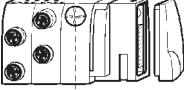
Size	Order code
2	P2M2T4ES2C
2	P2M2T4EE2C
2	P2M2TDEE2C
2	P2M2TCEE2C
2	P2M2TEEE2C
2	P2M2T3ES2C
2	P2M2TGEE2C

Size	Order code
2	P2M2S4ES2C
2	P2M2S4EE2C
2	P2M2SDEE2C
2	P2M2SCEE2C
2	P2M2SEEE2C
2	P2M2S3ES2C
2	P2M2SGEE2C

For electrical connectors and push-in pneumatic connectors, see next pages.

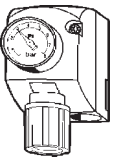

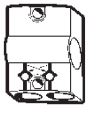
## Head and tail sets & Intermediate Modules

For use with T and V series Island Modules






Description	Order code T Series	Order code V Series
 <p>Island pneumatic head and tail set</p>	<b>P2M2HXT01*</b>	<b>P2M2HXT01*</b>
 <p>Intermediate supply module</p>	<b>P2M2BXT0A*</b>	<b>P2M2BXV0A*</b>
 <p>Multi connector electrical head module</p>		<b>P2M2HEV0A</b>
 <p>ASI Bus head module (8 M8 inputs + 8 outputs)</p>		<b>P2M2HBVA10808A</b>
 <p>Profibus DP Module with 16 O Interbus S module with 16 O DeviceNet module with 16 O</p>		<b>P2M2HBVP11600</b> <b>P2M2HBVS11600</b> <b>P2M2HBVD11600</b>

\*: pneumatic connectors to be ordered separately

## Peripheral Modules

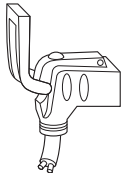
Size 1 & 2	Order code Size 1	Order code Size 2
<p>Pressure Regulation Module</p> <p>0- 2 bar 0- 4 bar 0- 8 bar</p> 	<b>P2M1PXSR</b> <b>P2M1PXSM</b> <b>P2M1PXSG</b>	<b>P2M2PXSR</b> <b>P2M2PXSM</b> <b>P2M2PXSG</b>
<p>Dual Flow Control Module</p> 	<b>P2M1PXFA</b>	<b>P2M2PXFA</b>
<p>Double Pilot Operated Check Valve Module</p> 	<b>P2M1PXCA</b>	<b>P2M2PXCA</b>

## Separate clip-on Pneumatic Connectors

	Tube size	Valve size 1 Order code	Valve size 2 Order code	Head & tail +Intermediate Order code
 Straight Push-in connector Pack Qty 10	Ø4mm	<b>FMD04-1</b>	-	-
	Ø6mm	<b>FMD06-1</b>	-	<b>FMD06-2</b>
	Ø8mm	-	<b>FMD08-2</b>	<b>FMD08-2</b>
	Ø10mm	-	<b>FMD10-2</b>	<b>FMD10-2</b>
	Ø12mm	-	-	<b>FMD12-2</b>
 Elbow Push-in connector Pack Qty 10	Ø4mm	<b>CMD04-1</b>	-	-
	Ø6mm	<b>CMD06-1</b>	-	<b>CMD06-2</b>
	Ø8mm	-	<b>CMD08-2</b>	<b>CMD08-2</b>
	Ø10mm	-	<b>CMD10-2</b>	<b>CMD10-2</b>
	Ø12mm	-	-	<b>CMD12-2</b>
Exhaust Muffler Pack Qty 10		<b>MMDVA1</b>	<b>MMDVA2</b>	<b>MMDVA2</b>
Port Plug Pack Qty 10		<b>PMDXX1</b>	<b>PMDXX2</b>	<b>PMDXX2</b>
Double male union (for peripheral modules) Pack Qty 10		<b>HMDXX1</b>	<b>HMDXX2</b>	-

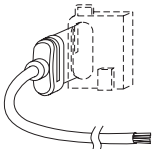
## Separate clip-on Electrical Connectors

### For S & T Series

		Cable length	Order code
	Cable plug + LED, + surge protection, IP67 protected	2m	<b>P8LS08L226C</b>
		5m	<b>P8LS08L526C</b>
		9m	<b>P8LS08L926C</b>

## Electrical 20 pin connector and flying leads cable

### For V Series

		Cable length	Order code
	Cable length 20 Pin connector + Flying Lead, IP65 protected	2m	<b>P8LMH20M2A</b>
		5m	<b>P8LMH20M5A</b>
		9m	<b>P8LMH20M9A</b>