


Complete Moduflex modules, equipped with their electrical and pneumatic connectors, may be ordered. To do so, use the below chart to define the complete module order codes.

Valve modules



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

P 2 M 1 V 4 E E 2 C V 0 0 F 6

Minimum ordering quantity: 10 pieces

Voltage	
00	Pneumatic pilot
2C	24VDC

Pilot Connection & Cable Length	
Valvetric V Series IP65	
V 0	V Series - Integrated Valvetric Gallery
T Series - M8 Connector	
0 0	No cable (also for pneumatic remote pilot)
V 2	2 meter cable - M8 connector
V 5	5 meter cable - M8 connector
V 9	10 meter cable - M8 connector
T Series - Clip Connector	
W 0	No cable
W 1	1 meter cable - Clip connector
W 2	2 meter cable - Clip connector
T Series - Pneumatic Remote Pilot	
0 0	4 mm OD tubing

Pneumatic connectors Ports 2 & 4	
Size 1 modules	
F4	Straight 4 mm OD
C4	Elbow 4 mm OD
F6	Straight 6 mm OD
C6	Elbow 6 mm OD
Size 2 modules	
F6	Straight 6 mm OD
C6	Elbow 6 mm OD
F8	Straight 8 mm OD
C8	Elbow 8 mm OD
F0	Straight 10 mm OD
C0	Elbow 10 mm OD

Size	
1	Size 1
2	Size 2

Series	
V	Integrated connections
T	Individual connectors

Valve Function - Solenoid Versions *	
4 ES	4/2 Solenoid spring
4 EE	4/2 Double solenoid
D EE	2 x 3/2 NC + NC (with exhaust check valve)
C EE	2 x 3/2 NO + NO (with exhaust check valve)
E EE	2 x 3/2 NC + NO (with exhaust check valve)
3 ES	3/2 NC (with exhaust check valve)
G EE	4/3 centre exhaust (= 2x3/2 without exhaust check valve)
B EE	2x3/2 + clipped dual PO check (= 4/3 APB)

Plug configurations	
0	No plug

Only for JEE 2x4/2 modules (1)	
0	0 plug (2x 4/2)
1	1 plug (4/2 + 3/2)
2	2 plugs (2x3/2 or 1x4/2)
3	3 plugs (1x3/2)

Valve Function - Solenoid Versions *	
J EE	2x4/2 with exhaust check valve with plug configuration

Size 1 only




* For T Series - Pneumatic Pilot: Replace "ES" or "EE" by "PS" or "PP"

Head/Tail & Intermediate Modules

Minimum ordering quantity: 10 pieces

1 2 3 4 5 6 7 8 9 10 11 12 13

P 2 M 2 H X T 0 1 F 0 C 2

Head and intermediate module	
	HXT01 V and T series Pneumatic head and tail set
	BXV0A V series intermediate supply module with a set of 4 configuration plates
	BXT0A T series intermediate supply module with a set of 4 configuration plates

Pressure port connector	
F6	Straight 6 mm OD
C6	Elbow 6 mm OD
F8	Straight 8 mm OD
C8	Elbow 8 mm OD
F0	Straight 10 mm OD
C0	Elbow 10 mm OD
F2	Straight 12 mm OD
C2	Elbow 12 mm OD
PP	Plug
MM	Muffler

Exhaust port connector	
F6	Straight 6 mm OD
C6	Elbow 6 mm OD
F8	Straight 8 mm OD
C8	Elbow 8 mm OD
F0	Straight 10 mm OD
C0	Elbow 10 mm OD
F2	Straight 12 mm OD
C2	Elbow 12 mm OD
PP	Plug
MM	Muffler

Complete module ordering, as compared to basic module ordering

Complete modules

Ordered from the following pages, the complete modules are supplied all equipped with their electrical and pneumatic connectors. Only one order line is necessary, and each module comes complete, with just the necessary chosen connectors.



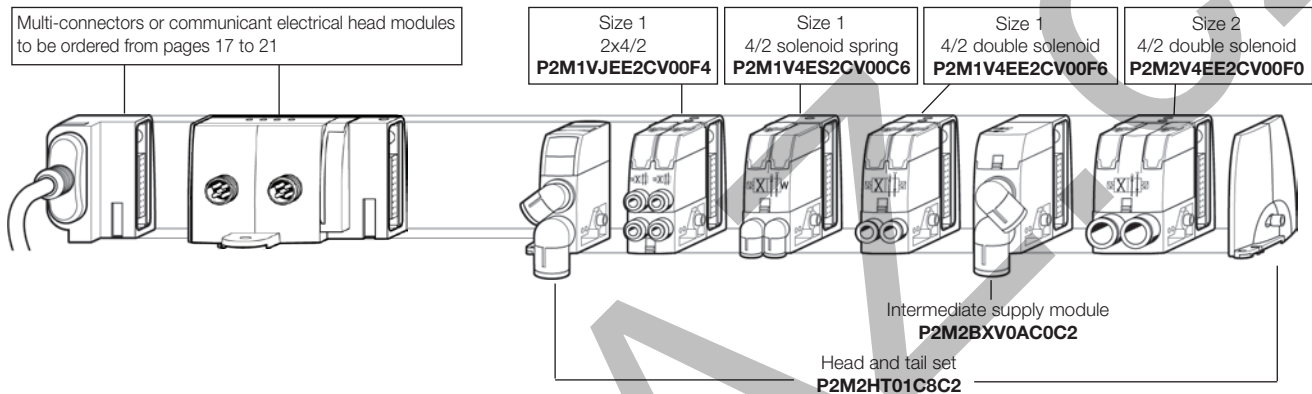
Basic modules

Ordered from the previous pages, the basic modules are to be equipped with their connectors. The clip-on assembly to the module is easy. The main advantage is flexibility : connector type and size may be chosen at the last moment, to better fit the machine needs.



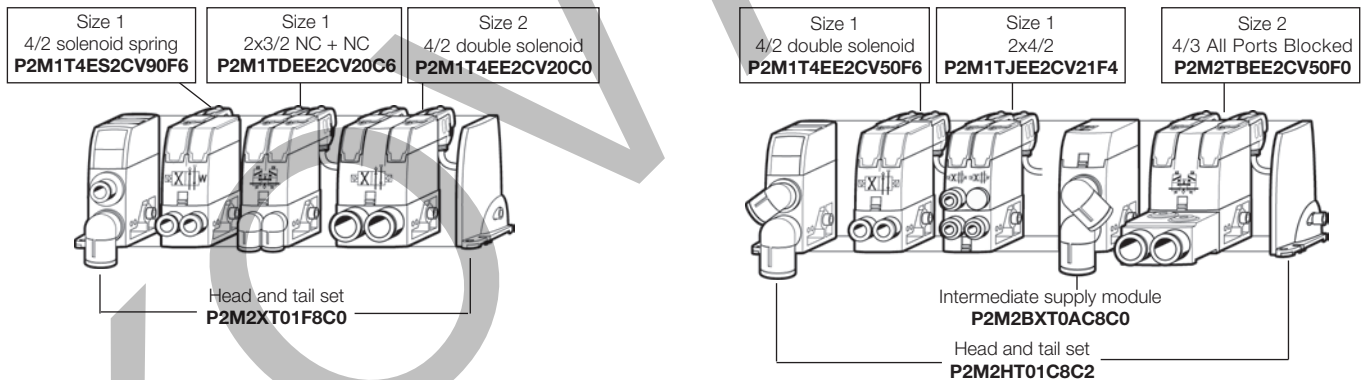
V series

See opposite page for complete module order code chart



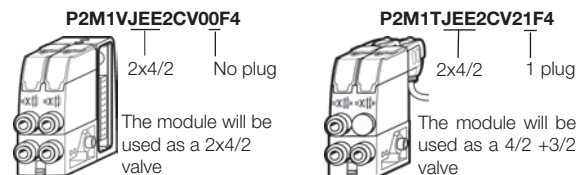
T series

See opposite page for complete module order code chart



Special case : the 2 x 4/2 mini-module plug configuration

For micro-cylinders, this very compact 2 x 4/2 module (order code. JEE) may also be used to obtain 3/2 valves, either Normally Closed or Normally Open. To do so, the complete module may be supplied with plugs that may replace some of the plug-in connectors. To order, use the top chart from opposite page.



S and P series

See page 28 and 29 for complete module order code charts.

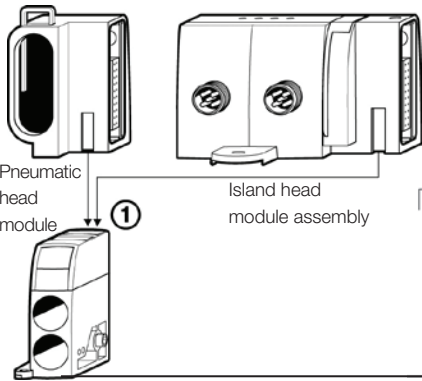
Integrated connections valve islands: V series

In a V series Moduflex valve island, electrical controls are all received by the head module and transmitted to the concerned valve modules through the modular integrated circuit.

The head node may either be a cable multi-connector or a Fieldbus communication node: the next pages show multi-connector cable and a complete choice of bus protocols.



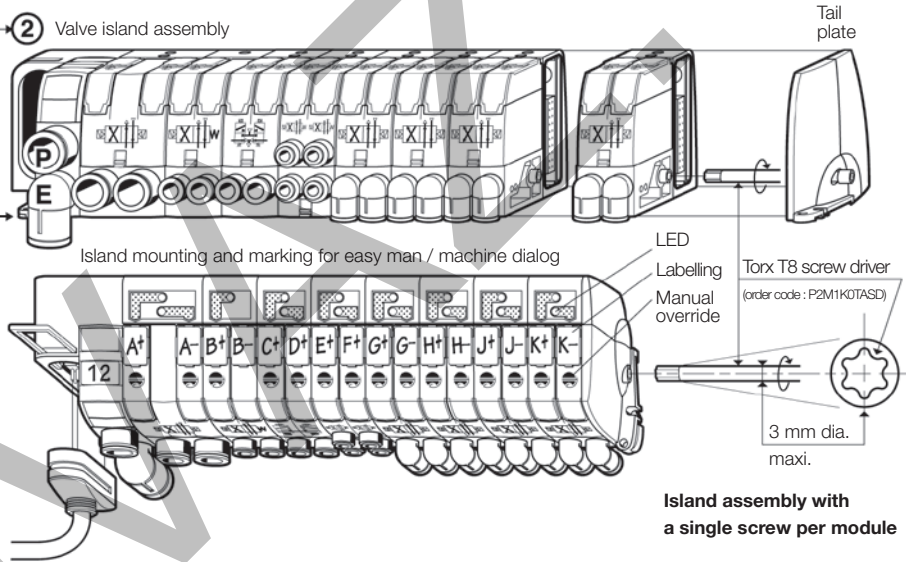
Valve island electrical head module: multi-connector or communication nodes



Valve island configuration

The following page shows all valve sizes and functions that may enter into a V series valve island and, for each valve size, a choice of clip-on pneumatic connectors: tubing size, straight, elbow etc. To receive its pressure supply and collect its exhaust, the island also requires a pneumatic head and tail module set and sometimes an

intermediate module set with 4 configuration plates for different functions. To receive its electrical controls, the island is completed by an electrical head module, either a multi-connector or by a communication node to be chosen from the next pages.



Valve island assembly

The above illustration presents:

- **Step ①** : the electrical head module is engaged into the pneumatic head module ;
- **Step ②** : valve modules are one by one screwed onto each other starting from the head module. For this task, the single integrated screw is tightened with a torx T8 standard screwdriver.

The pneumatic connectors may be clipped or unclipped at any stage.

With a LED, a manual override and a labelling for each valve pilot (see illustration), the island front face eases the "man / machine" dialogue.

The resulting valve island length is expressed by the drawing below, while further size details and mountings are presented on the dimensions pages.

Modules and island ordering

Choice between 3 approaches:

1 - Basic modules ordering:

The following page shows these modules supplied without connector, together with the choice of clip-on connectors separately supplied (10 units packs). This approach gives the maximum flexibility.

2 - Complete modules ordering:

Page 31 shows the ordering chart for modules supplied with their connectors.

3 - Assembled island ordering:

An In-Line configurator, available from the product web-page "<http://www.parker.com/pde/P2M>", allows to specify a valve island that may be delivered assembled.

Communication node:

- Ethernet nodes, width: 126 mm
- IO-Link, width: 94 mm

Multi-connector head module:

- guillotine, width: 47 mm
- sub-D 25, width: 56 mm

Valve modules

- size 1:
- width: 25 mm

Valve module

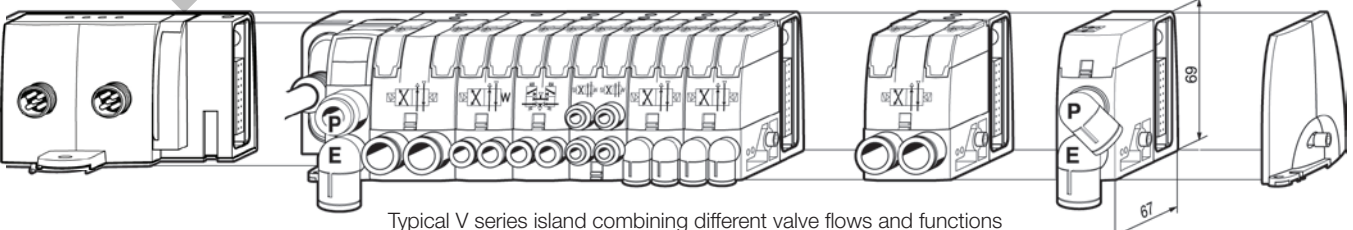
- size 2:
- width: 37.5 mm

Intermediate










- module:
- width: 25 mm

Tail



- plate:
- width: 16 mm







Basic modules (without connector)

Valve Modules		Size 1			Size 2	
Size 1	Symbol	Description	Weight [g]	Order code	Weight [g]	Order code
		4/2 Solenoid spring	94	P2M1V4ES2CV	100	P2M2V4ES2CV
		4/2 Double solenoid	103	P2M1V4EE2CV	110	P2M2V4EE2CV
		2 x 3/2 NC + NC with exhaust check valves	106	P2M1VDEE2CV	115	P2M2VDEE2CV
		2 x 3/2 NO + NO with exhaust check valves	106	P2M1VCEE2CV	115	P2M2VCEE2CV
		2 x 3/2 NC + NO with exhaust check valves	106	P2M1VEEE2CV	115	P2M2VEEE2CV
		2 x 4/2 Solenoid spring with exhaust check valves	114	P2M1VJEE2CV		
		3/2 NC with exhaust check valves	102	P2M1V3ES2CV	110	P2M2V3ES2CV
		4/3 Centre exhaust 2 x 3/2 NC + NC without exhaust check valves	106	P2M1VGEE2CV		P2M2VGEE2CV

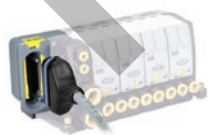

Island head and intermediate module sets

Valve Modules		Description	Weight [g]	Order code
 		Valve island pneumatic head and tail module set	64	P2M2HXT01
		Valve island intermediate supply module with a set of 4 configuration plates	68	P2M2BXV0A

Clip-On pneumatic connectors *

Valve Modules	Description	Tube OD	Size 1		Size 2		
			Weight [g]	Order code	Weight [g]	Order code	
   	Straight connector	G1/8"	2	FMDG1-1			
			2	FMD04-1			
			3	FMD06-1			
					3	FMD06-2	
					4	FMD08-2	
					5	FMD10-2	
	Elbow connector		G1/8"	3	CMDG1-1		
				3	CMD04-1		
				5	CMD06-1		
					5	CMD06-2	
Silencer					6	CMD08-2	
					7	CMD10-2	
Plug					8	CMD12-2	
					5	MMDVA2	
					5	PMDXX2	

V series valve island: Electrical multi-connector head module

Description	Protection	Cable length	Weight [g]	Order code	
Guillotine type 	IP65		38	P2M2HEV0A	
		Multi-connection head module			
		Guillotine connector with flying leads multi-cable	2 m	335	P8LMH20M2A
		5 m	802	P8LMH20M5A	
		9 m	1425	P8LMH20M9A	
Standard Sub-D 25 type 	IP40		60	P2M2HEV0D	
		Multi-connection head module			
		Sub-D 25 connector with flying leads multi-cable	3 m	435	P8LMH25M3A
			9 m	1425	P8LMH25M9A
		9 m	1425	P8LMH25B9A	