

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

Dual flow control, dual pilot operated check valve, and pressure regulator peripheral modules

Minimum ordering quantity: 10 pieces

Order Code: **P 2 M 1 P X F A J J F 6**

Size	
1	Size 1
2	Size 2

Peripheral module function	
F A	Dual flow control
C A	Dual P.O. check valve
Pressure regulators	
S R	0-2 bar, with pressure gauge
S M	0-4 bar, with pressure gauge
S G	0-8 bar, with pressure gauge

Inlet port pneumatic connectors	
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

Outlet port pneumatic connectors	
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

Vacuum generator peripheral module

Minimum ordering quantity: 10 pieces

Order Code: **P 2 M 1 P X V A F 6 A F 6 C M A**

Size	
1	Size 1

Peripheral module function	
V A	Vacuum generator

Exhaust port (3) *	
F4	Straight 4 mm OD
C4	Elbow 4 mm OD
F6	Straight 6 mm OD
C6	Elbow 6 mm OD
MA	Clip-on muffler

Pressure & Blow-off port connectors	
JJ	Clip-on double male union
F4	Straight 4 mm OD
C4	Elbow 4 mm OD
F6	Straight 6 mm OD
C6	Elbow 6 mm OD
F1	Straight threaded 1/8"
C1	Elbow threaded 1/8"

Vacuum and Vacuum Sensor port connectors	
F4	Straight 4 mm OD
C4	Elbow 4 mm OD
F6	Straight 6 mm OD
C6	Elbow 6 mm OD
F1	Straight threaded 1/8"
C1	Elbow threaded 1/8"

Vacuum and Vacuum Sensor port connectors	
A	2 similar connectors
B	1 connector on vacuum port 1 plug on vacuum sensor port
D	1 Connector on Vacuum Port 1 Dig/Ana Vacuum Sensor MPS-V34G-PCI
E	1 Connector on Vacuum Port 1 Analog Vacuum Sensor MPS-V8T-AG

Peripheral Valve Modules: P series

Four additional peripheral modules complete the valve system in order to facilitate the installation of specific cylinder controls:

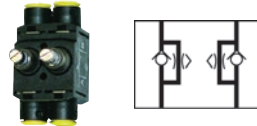
- Dual flow control, for cylinder speed adjusting;
- Dual pilot operated check valve, for cylinder positioning;
- Pressure regulator, for cylinder thrust adjusting;
- Vacuum generator, for vacuum pad controls.



Module function selection

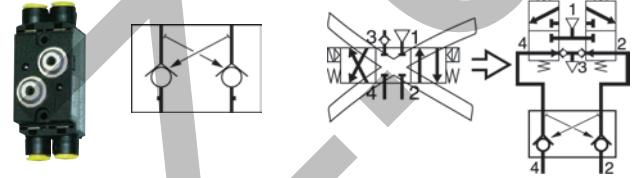
Dual flow control

By controlling the exhaust flows of a double acting cylinder, this module can adjust both speeds: forwards and backwards.



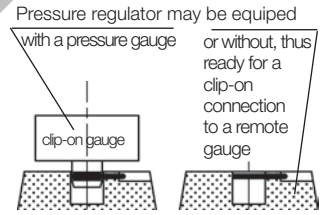
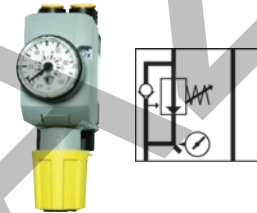
Dual pilot operated check valve

Combined with a double 3/2 NC + NC valve, this module will block flows and stop cylinder movement as soon as the valve outputs are both exhausted. Better than a 3 position closed centre valve, it provides accurate positioning when mounted close to the cylinder.



Pressure regulator

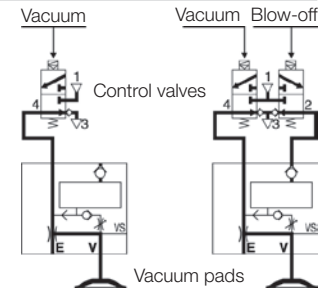
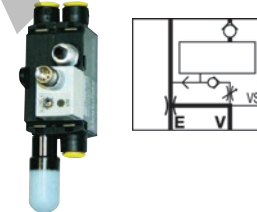
The thrust developed by a cylinder often requires adjustment by controlling the pressure to the front or back of the piston. This pressure regulator module enables manual adjustment of pressure on one side of the piston, with visual indication provided by the pressure gauge.



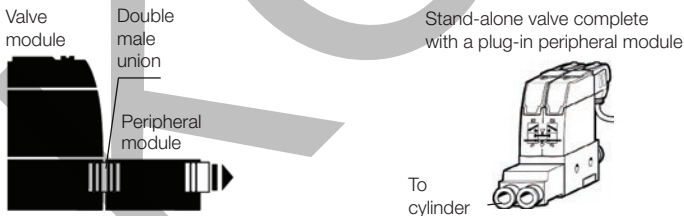
Vacuum generator

This multi-purpose module controls vacuum pads with a choice between two basics schematics:

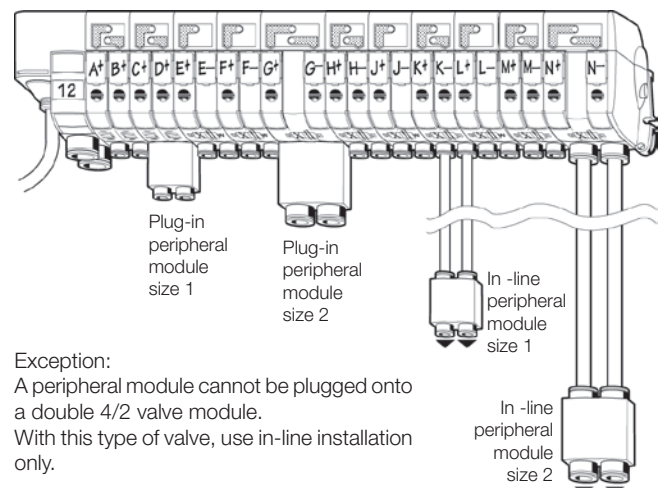
- Controlled with only one 3/2 NC valve, the vacuum generator provides vacuum to the pads during valve actuation and then blow-off supplied from an integrated chamber.
- Controlled with a double 3/2 NC + NC, the vacuum generator provides vacuum during the first valve actuation, and then strong blow-off from the second valve.



Module installation selection

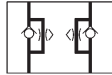
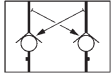
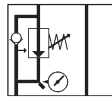
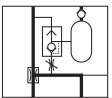


- Peripheral modules may either be mounted:
- Plugged into the valve module through double male unions;
 - Or in line, close to the cylinder to control it better.








Exception:
A peripheral module cannot be plugged onto a double 4/2 valve module. With this type of valve, use in-line installation only.

Basic peripheral modules (without connector)




Peripheral Modules		Size 1		Size 2			
Symbol	Description	Weight (g)	Order code	Weight (g)	Order code		
	Dual flow control	50	P2M1PXFA	50	P2M2PXFA		
	Dual P.O. check valve	50	P2M1PXCA	50	P2M2PXCA		
	Pressure regulator	Pressure range	Gauge				
		0 - 2 bar	0 - 4 bar	135	P2M1PXSR	135	P2M2PXSR
			Without	105	P2M1PXST	165	P2M2PXST
		0 - 4 bar	0 - 7 bar	135	P2M1PXSM	135	P2M2PXSM
			Without	105	P2M1PXSL	165	P2M2PXSL
		0 - 8 bar	0 - 11 bar	135	P2M1PXSG	135	P2M2PXSG
	Without	105	P2M1PXSN	165	P2M2PXSN		
	90% Vacuum generator	30	P2M1PXVA				

Clip-On pneumatic connectors *

Valve Modules		Size 1		Size 2	
Description	Tube OD	Weight (g)	Order code	Weight (g)	Order code
	G1/8"	2	FMDG1-1		
	4 mm	2	FMD04-1		
	6 mm	3	FMD06-1	3	FMD06-2
	8 mm			4	FMD08-2
	10 mm			5	FMD10-2
	12 mm			6	FMD12-2
	G1/8"	3	CMDG1-1		
	4 mm	3	CMD04-1		
	6 mm	5	CMD06-1	5	CMD06-2
	8 mm			6	CMD08-2
	10 mm			7	CMD10-2
	12 mm			8	CMD12-2
	Double male union	5	HMDXX1	8	HMDXX2
	Silencer	3	MMDVA1		
	Plug	3	PMDXX1	5	PMDXX2

* Fittings and plugs pack quantity: 10

Clip-on accessories

Description	Connection	Pressure range	Weight (g)	Order code	
	Clip-on	0 to 4 bar	30	P2M1K0GT	
		0 to 7 bar	30	P2M1K0GL	
		0 to 11 bar	30	P2M1K0GN	
	Diam. 4 mm tube	0 to -1 bar	25	MPS-V8T4-AG	
	Flying lead 2 meter cable	Diam. 6 mm tube	0 to -1 bar	25	MPS-V8T-AG
	Dig. PNP / Ana (4 - 20 mA) Vacuum Sensor	G 1/8" male	0 to -1 bar	45	MPS-V34G-PCI
	15 cm cable - M8 4 pin's connector				