

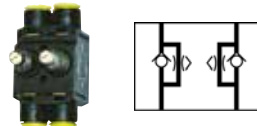
Peripheral Valve Modules: P series

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

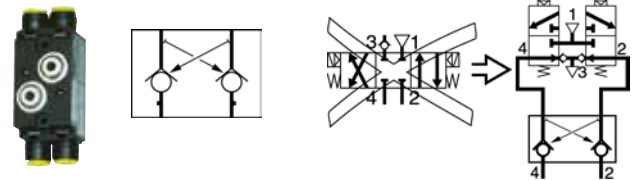
- Dual flow control, for cylinder speed adjusting;
- Dual pilot operated check valve, for cylinder positioning;
- Pressure regulator, for cylinder thrust adjusting;
- Vacuum generator, for vacuum pad controls.

**Module function selection****Dual flow control**

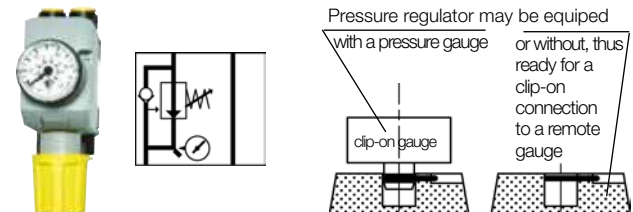
By controlling the exhaust flows of a double acting cylinder, this module can adjust both speeds: forwards and backwards.

**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**

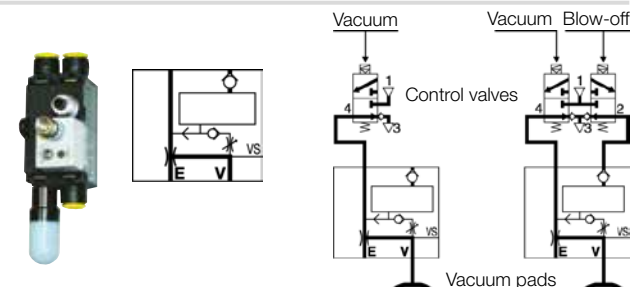
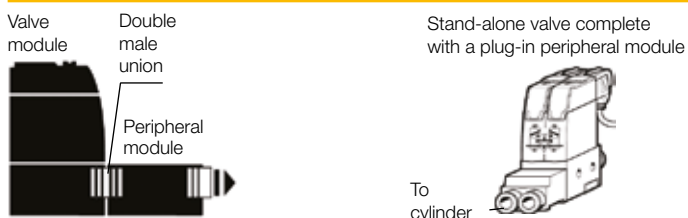
The thrust developed by a cylinder often requires adjustment by controlling the pressure to the front or back of the piston. This pressure regulator module enables manual adjustment of pressure on one side of the piston, with visual indication provided by the pressure gauge.

**Vacuum generator**

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

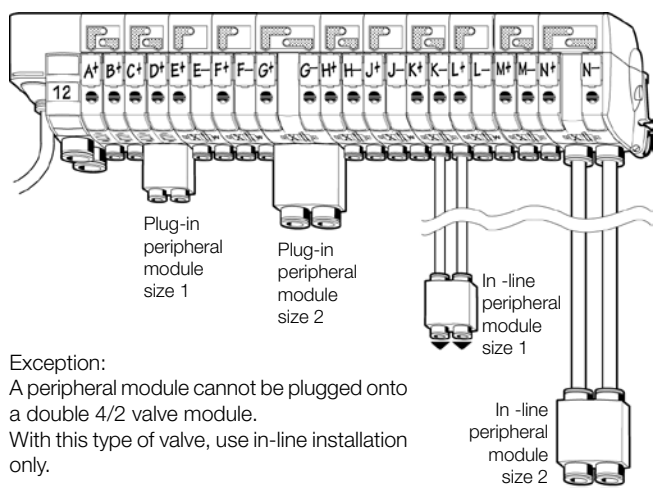
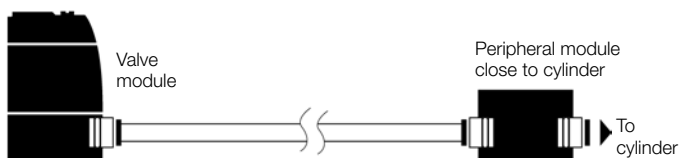
- Controlled with only one 3/2 NC valve, the vacuum generator provides vacuum to the pads during valve actuation and then blow-off supplied from an integrated chamber.
- Controlled with a double 3/2 NC + NC, the vacuum generator provides vacuum during the first valve actuation, and then strong blow-off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

Integrated blow-off flow controller. Optional plug-in vacuum sensor.

**Module installation selection**


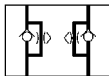
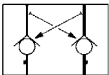

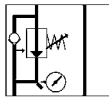

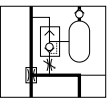
Peripheral modules may either be mounted:

- 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 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	
  	Straight connector	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	
	Elbow connector	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 pressure gauge for pressure regulator modules, size 1 or size 2	Clip-on	0 to 4 bar	30	P2M1K0GT
			0 to 7 bar	30	P2M1K0GL
			0 to 11 bar	30	P2M1K0GN
 	Analogue (1 - 5 Vdc) Vacuum Sensor	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 15 cm cable - M8 4 pin's connector	G 1/8" male	0 to -1 bar	45	MPS-V34G-PCI