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

Stand alone valve modules

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
P	2	M	1	S	4	E	E	2	C	V	5	A	F	6

Minimum ordering quantity: 10 pieces

Voltage

00	Pneumatic pilot
2C	24VDC

Pilot Connection & Cable Length

M8 Connector

0	0	No cable
V	2	2 meter cable - M8 connector
V	5	5 meter cable - M8 connector
V	9	10 meter cable - M8 connector

Clip Connector

W	0	No cable
W	1	1 meter cable - Clip connector
W	2	2 meter cable - Clip connector

Pneumatic Remote Pilot

0	0	4 mm OD tubing

Size

1	Size 1
2	Size 2

Series

S	Stand alone valve modules

Valve Function - Solenoid Versions *

4 E S	4/2 Solenoid spring
4 E E	4/2 Double solenoid
D E E	2 x 3/2NC + NC (with exhaust check valve)
C E E	2 x 3/2 NO + NO (with exhaust check valve)
E E E	2 x 3/2 NC + NO (with exhaust check valve)
3 E S	3/2 NC (with exhaust check valve)
G E E	4/3 centre exhaust (= 2x3/2 without exhaust check valve)
B E E	2x3/2 + clipped dual PO check (= 4/3 APB)

* Pneumatic Pilot: Replace "ES" or "EE" by "PS" or "PP"

Pneumatic connectors

Ports 1 & 3		Outlet ports 2 & 4		Tube OD	
A	Straight & straight	F	Straight & straight	**Size 1 modules**	
B	Elbow & elbow	C	Elbow & elbow	4	4 mm OD
C	Straight & muffler	0	No connector for plug-in P module	6	6 mm OD
D	Elbow & muffler			**Size 2 modules**	
				6	6 mm OD
				8	8 mm OD
				0	10 mm OD

Size 1
4/2 solenoid spring
P2M1S4ES2CV5CC6

Size 1
2x3/2 NC + NC
P2M1SDEE2CV2BC6

Outlets

3 E → 2
1 P → 4

Size 2
4/2 double solenoid
P2M2S4EE2CV9CC8

Size 2
2x3/2 NC + NC
P2M2SDEE2CV2CC0

Size 2
4/3 All Ports Blocked
P2M2SBEE2CV2AF0

Stand-Alone Valve Modules: S series

Very useful to control isolated cylinders, these stand-alone valves module are compact and easy to mount on the machines with neat electrical and pneumatic connections.

As an alternative to electrical controls, valves with air pilots are also available, to be controlled by individual pneumatic signals.
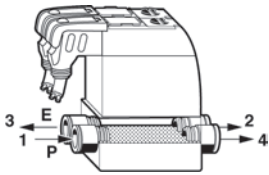
Valve functions

The following page shows all valve sizes and functions and, for each valve size, a choice of clip-on pneumatic connectors: tubing size, straight, elbow etc."

Valve main connections

- Outlets to cylinders (ports 2 and 4) on one side.
- Supply P (port 1) and exhaust E (port 3) on the other side. At port 3, exhaust may be collected or receive a clip-on muffler.

Valve mounting

All valves may be mounted either with side screws or with their integrated retractable brackets.

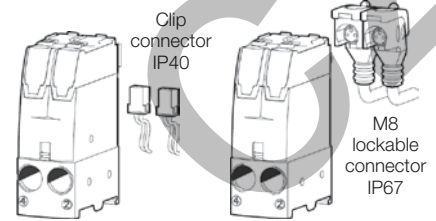**Side screw mounting**
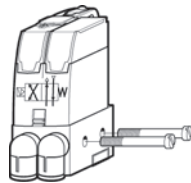
The brackets are then retracted.

Optional foot mounting

The brackets are then extended.

Valve pilot connections

1- Solenoid valve modules

Clip connector IP40

M8 lockable connector IP67

In its IP40 version, each solenoid shows Clip connection integrating LED and voltage surge protection. The clip connector with flying leads may be ordered separately with independent or interconnected common. In its IP67 version, each solenoid shows a M8 connection. Lockable connectors, IP67 protected, with LED voltage surge protection and flying lead cable may be ordered for the required length.

2- Air pilot valve modules

No connector has to be ordered : each pneumatic pilot port includes its integrated movable elbow 4 mm OD tube push-in connector.

4 mm OD tube
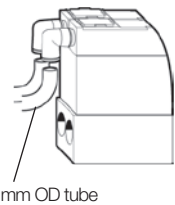
Modules and island ordering
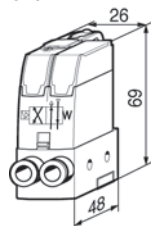
Choice between 2 approaches:

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.
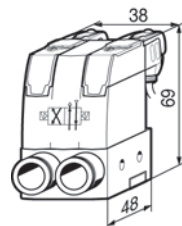
2 - Complete modules ordering:
Page 28 shows the ordering chart for modules supplied with their pneumatic and electrical connectors and muffler.

Valve module size 1

Valve module size 2

Moduflex Valve System - P2M

Basic modules (without connector)

Valve Modules

	Symbol	Description	Actuator	Pilot connector	W (g)	Size 1 Order code	W (g)	Size 2 Order code
Size 1		4/2 Spring return	Solenoid	M8 Lockable	72	**P2M1S4ES2C**	78	**P2M2S4ES2C**
				Clip	72	**P2M1S4ES2CW**	78	**P2M2S4ES2CW**
			Air pilot		67	**P2M1S4PS**	73	**P2M2S4PS**
		4/2 Double pilot	Solenoid	M8 Lockable	87	**P2M1S4EE2C**	93	**P2M2S4EE2C**
				Clip	87	**P2M1S4EE2CW**	93	**P2M2S4EE2CW**
			Air pilot		77	**P2M1S4PP**	73	**P2M2S4PP**
		2 x 3/2 NC + NC with exhaust check valves	Solenoid	M8 Lockable	85	**P2M1SDEE2C**	91	**P2M2SDEE2C**
				Clip	85	**P2M1SDEE2CW**	91	**P2M2SDEE2CW**
			Air pilot		75	**P2M1SDPP**	81	**P2M2SDPP**
		2 x 3/2 NO + NO with exhaust check valves	Solenoid	M8 Lockable	85	**P2M1SCEE2C**	91	**P2M2SCEE2C**
				Clip	85	**P2M1SCEE2CW**	91	**P2M2SCEE2CW**
			Air pilot		75	**P2M1SCPP**	81	**P2M2SCPP**
Size 2		2 x 3/2 NC + NO with exhaust check valves	Solenoid	M8 Lockable	85	**P2M1SEEE2C**	91	**P2M2SEEE2C**
				Clip	85	**P2M1SEEE2CW**	91	**P2M2SEEE2CW**
			Air pilot		75	**P2M1SEPP**	81	**P2M2SEPP**
		3/2 NC with exhaust check valves	Solenoid	M8 Lockable	80	**P2M1S3ES2C**	86	**P2M2S3ES2C**
				Clip	80	**P2M1S3ES2CW**	86	**P2M2S3ES2CW**
			Air pilot		70	**P2M1S3PS**	76	**P2M2S3PS**
		4/3 Centre exhaust 2 x 3/2 NC + NC without exhaust check valves	Solenoid	M8 Lockable	85	**P2M1SGEE2C**	91	**P2M2SGEE2C**
				Clip	85	**P2M1SGEE2CW**	91	**P2M2SGEE2CW**
			Air pilot		75	**P2M1SGPP**	81	**P2M2SGPP**

Clip-On pneumatic connectors *

Valve Modules

	Description	Tube OD	W (g)	Size 1 Order code	W (g)	Size 2 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**
	Silencer		3	**MMDVA1**	5	**MMDVA2**
	Plug		3	**PMDXX1**	5	**PMDXX2**

* Fittings and plugs pack quantity: 10

Electrical connectors

	Description	Connector type	Cable length	W (g)	Order code
M8 lockable connector	Individual lockable connector – IP67	M8 / 2 x Flying leads	2 meters	62	**P8LS08L226C**
	Including LED and surge protection		5 meters	155	**P8LS08L526C**
	2 Flying leads		9 meters	180	**P8LS08L926C**
Clip connector	Clip connector – IP40	1 x Clip connector	1 meter	8	**P8LW021C**
	Individual: Including 2 flying leads		2 meter	12	**P8LW022C**
	Multiple: Including 1 common (0 Vdc)	2 x Clip connectors	1 meter	12	**P8LW021C02**
	and 1 flying lead per connector	4 x Clip connectors	1 meter	20	**P8LW021C04**
		8 x Clip connectors	1 meter	36	**P8LW021C08**
	Straight cable quick connect to thread	M8		12	**P8CS0803J**
	connector, IP67 protected	M12		15	**P8CS1204J**