



**contents**

ISO valves sizes 01 to 3 features.....4 - 5

**ISO 5599-1 valves sizes 1 to 3**

Standard valves technical information.....12

Standard valves order codes.....13 - 14

Solenoid order codes.....15

LOGISO interfaces.....16

Standard valves dimensions.....17

Valves with M12 connector .....18

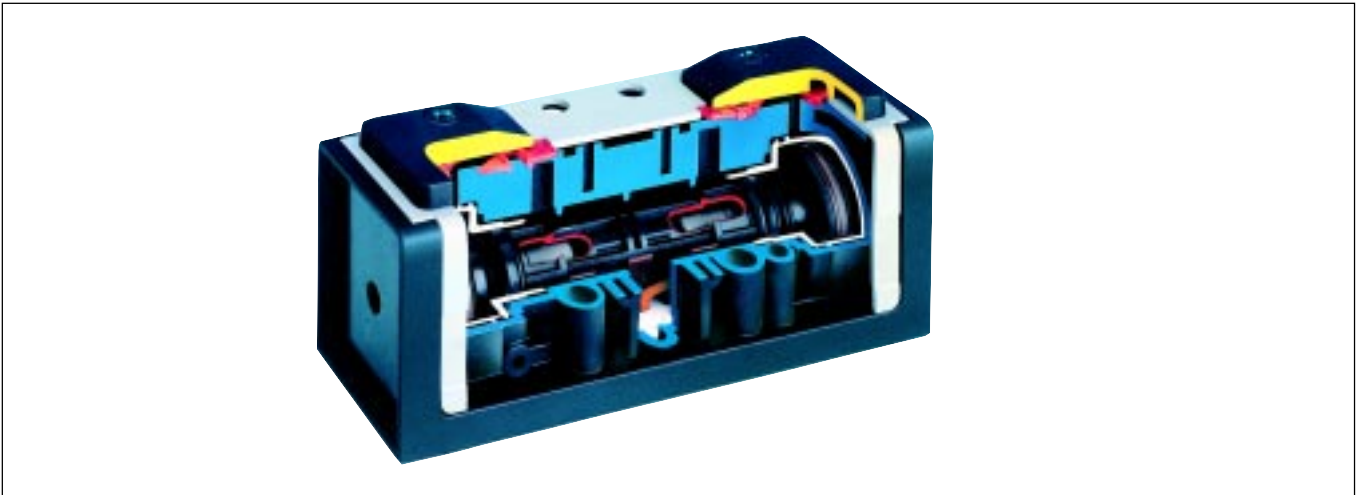
Valves with M12 connector order codes .....19

Valves with M12 connector dimensions .....19

Base and manifold order codes.....20

Base and manifold accessories.....21

Base and manifold dimensions.....22 - 23



### Valve range

**DX02** 1/8", ISO 15407-1, size 02

**DX01** 1/4", ISO 15407-1, size 01

**DX1** 1/4", ISO 5599-1, size 1

**DX2** 3/8", ISO 5599-1, size 2

**DX3** 1/2", ISO 5599-1, size 3

The Isomax range of directional control valves, comply with ISO 15407-1 sizes 02 and 01 and ISO5599-1 sizes 1, 2 and 3 and provide flows from 720 NI/min to 6500NI/min.

The range includes both 5/2 and 5/3 valves, for pneumatic and electrical actuation with a wide choice of subbases and manifolds to suit different application needs.



ISO 5599 - 1



ISO 15407 - 1

### Ceramic technology

All ISOMAX products use high-tech ceramic switching technology :

- **Excellent reliability :**

Long life in excess of 100 million operations\*.

Operates with lubricated or non lubricated air.

Low sensitivity to air quality changes ; switching without seal.

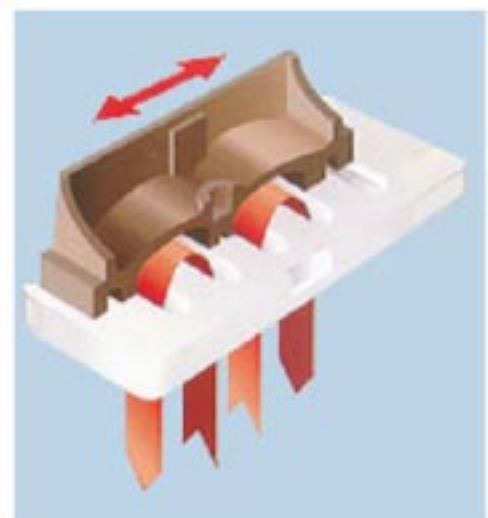
Stiction free.

- **High performances :**

Slide valve concept allows high flow / size ratio and short response time due to short slide stroke and low friction.

- **Stable long lasting performances**

Low friction switching : minimum wear of the valve member/seal assembly.



\* Refer to our warranty conditions.

### Corrosion free and modern design

With the valve body in Polyamide reinforced fibreglass and the casing in anodised aluminium, the complete Isomax range presents a coherent modern design to suit most industrial environments.

### Vacuum operation

All Isomax valves may be used for either vacuum or pressure applications.

### Air supplied from exhaust ports

In order to supply 2 different pressures to the same actuator, it is possible to connect 2 main pressure supplies to the exhaust ports and used the port 1 as exhaust port.

### Central M12 electrical connector versions

All sizes of ISO 5599-1 valves are supplied in a new version with central M12 connector.

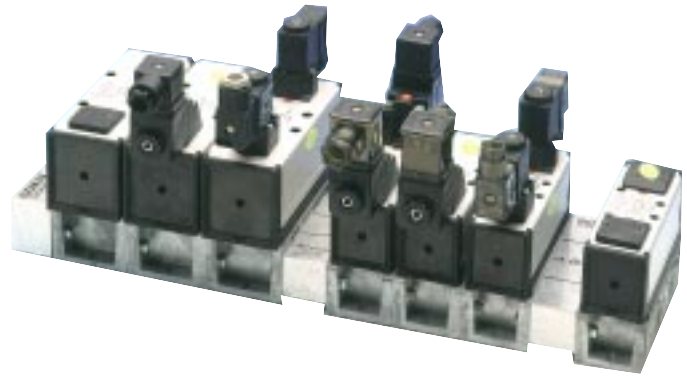
### Logic elements integrated on valve piloting

Special interfaces for ISOMAX ISO 5599-1 valves are available for direct mounting of logic elements on valve piloting system. This feature allows the creation of complex pilot functions whilst simplifying and reducing piping costs.

### Auxiliary manual pilot in option

Manual overrides are supplied as standard on solenoids. An auxiliary manual pilot acting directly on the spool is available as standard on all ISO 5599-1 versions.





**General characteristics :**

Standard subbase : ISO 5599-1 and NFE 49-080  
 Permissible fluid : Air or inert gas, filtered 40 µ (classe 5 according to ISO 8573-1), lubricated or non-lubricated  
 Piloting pressure : 2 to 12 bar (2 to 10 bar with 15 mm solenoid)  
 Operating pressure : -0,9 to 12 bar (for pressure under 2 bar, external pilot supply has to be connected)  
 Supply from exhaust : Possible  
 Flow (Qmax) : DX1 = 1680 NI/mn - DX2 = 4320 NI/mn - DX3 = 6540 NI/mn  
 Working temperatures : -10 to + 60°C (dry air)  
 Storage temperatures : -20 to + 80°C (-20 to + 70°C with 15 mm solenoids)  
 Mechanical life : > 100 millions operations (dry air filtered 40 µ, 2 Hz, 6 bar, 20°C)  
 Actuation type : Pneumatically or electrically with CNOMO 06-05-10 solenoids 30 mm or 22 mm or with 15 mm solenoid valve interface CNOMO E06.36120N.

**Material specification :**

Valve member - seat : Self lubricating acetal - ceramic  
 Body : Polyamide reinforced fibreglass  
 Casing - End plates : Anodised aluminium - Painted zinc plated steel  
 Valve plate : Zamak  
 Seals : Nitrile  
 Springs : Stainless steel  
 Screws : Zinc plated steel  
 Function selector : Top cover - Seal : Polyamide reinforced fiberglass - Polyester

**Ordering key**

Execution	Size	Pilot	Manual override	Voltage	Connector
Standard	1 Size 1 (ISO 5599)	4 Pneumatic	0 Without any	B 12 V AC	Without any
D Anti-corrosion	2 Size 2 (ISO 5599)	6 Electro-pneumatic	1 Flush non locking	C 24 V AC	C Standard connector
	3 Size 3 (ISO 5599)		3 Flush locking	D 48 V AC	S Connector with LED and protection
				J 110 V AC	S3 Connector with LED and protection - 3 m cable
				A 230 V AC	S5 Connector with LED and protection - 5 m cable
				L 12 V DC	
				M 24 V DC	
				N 48 V DC	

**DX**   **1** - **6** **21** - **76** **1** **M** **S**

Function	pneumatic or electro-pneu		electro-pneumatic		pneumatic and electro-pneu	
	int. supply	ext. supply	int. supply 12 ext. supply 14	int. supply 12 ext. supply 14	solenoid on 14	solenoid on 12
	captured pilot exhaust	vented pilot exhaust	vented pilot exhaust	vented pilot exhaust	vented pilot exhaust	vented pilot exhaust
5/2 bistable	06	08	07	31	33	
5/2 bistable, 14 prioritised	56	58				
5/2 monostable, spring return	21	22				
5/2 monostable, differential return	51	53	52			
5/3 pressure vented centre	11	12	10			
5/3 pressure closed centre	16	18	17			
5/3 pressurised centre	13	24	15			

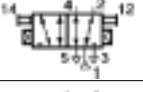
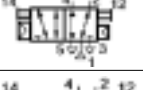
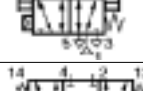
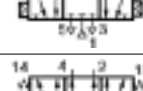
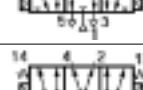
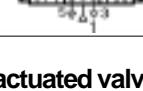
  

Electrical operator, auxiliary manual pilot		
	electrical operator	aux. manual. pilot
60	Without any	No
61	EV 310	
66	EV 30 - 6.5 W	
67	EV 30 - 3 W	
6A	15 mm solenoid, individual plate, pin up	
6B	15 mm solenoid, individual plate, pin up (high flow)	
70	Without any	Yes
71	EV 310	
76	EV 30 - 6.5 W	
77	EV 30 - 3 W	
7A	15 mm solenoid, individual plate, pin up	
7B	15 mm solenoid, individual plate, pin up (high flow)	

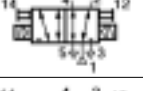
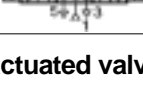
= product available on special request

**Order codes**

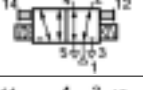
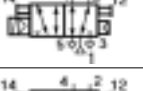
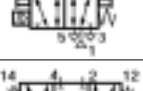
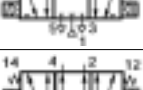
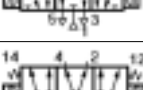
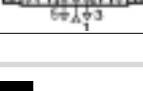
**Pneumatically actuated valves**

Symbol	Function	ISO 5599-1 size	Order code	Weight kg
	5/2 Bistable	1	<b>DX1-406-70</b>	0,35
		2	<b>DX2-406-70</b>	0,60
		3	<b>DX3-406-70</b>	1,10
	5/2 Monostable differential	1	<b>DX1-451-70</b>	0,35
		2	<b>DX2-451-70</b>	0,60
		3	<b>DX3-451-70</b>	1,10
	5/2 Monostable spring	1	<b>DX1-421-70</b>	0,35
		2	<b>DX2-421-70</b>	0,60
		3	<b>DX3-421-70</b>	1,10
	5/3 closed centre	1	<b>DX1-416-70</b>	0,35
		2	<b>DX2-416-70</b>	0,60
		3	<b>DX3-416-70</b>	1,10
	5/3 vented centre	1	<b>DX1-411-70</b>	0,35
		2	<b>DX2-411-70</b>	0,60
		3	<b>DX3-411-70</b>	1,10
	5/3 pressurised centre	1	<b>DX1-413-70</b>	0,35
		2	<b>DX2-413-70</b>	0,60

**Electrically actuated valves for CNOMO 06-05-10 solenoid supplied without solenoid - Refer to page 15 to select solenoid**



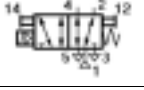
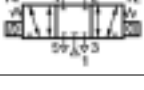
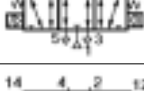
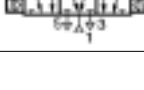
	Bistable	1	<b>DX1-606-70</b>	0,35
		2	<b>DX2-606-70</b>	0,60
		3	<b>DX3-606-70</b>	1,10
	5/2 Monostable differential	1	<b>DX1-651-70</b>	0,35
		2	<b>DX2-651-70</b>	0,60
		3	<b>DX3-651-70</b>	1,10
	5/2 Monostable spring	1	<b>DX1-621-70</b>	0,35
		2	<b>DX2-621-70</b>	0,60
		3	<b>DX3-621-70</b>	1,10
	5/3 closed centre	1	<b>DX1-616-70</b>	0,65
		2	<b>DX2-616-70</b>	0,60
		3	<b>DX3-616-70</b>	1,10
	5/3 vented centre	1	<b>DX1-611-70</b>	0,35
		2	<b>DX2-611-70</b>	0,60
		3	<b>DX3-611-70</b>	1,10
	5/3 pressurised centre	1	<b>DX1-613-70</b>	0,35
		2	<b>DX2-613-70</b>	0,60

**Electrically actuated valves for 15 mm solenoid supplied without solenoid - Refer to page 15 to select solenoid**

	Bistable	1	<b>DX1-606-7B</b>	0,37
		2	<b>DX2-606-7B</b>	0,60
		3	<b>DX3-606-7B</b>	1,10
	5/2 Monostable differential	1	<b>DX1-651-7B</b>	0,36
		2	<b>DX2-651-7B</b>	0,60
		3	<b>DX3-651-7B</b>	1,10
	5/2 Monostable spring	1	<b>DX1-621-7B</b>	0,36
		2	<b>DX2-621-7B</b>	0,60
		3	<b>DX3-621-7B</b>	1,10
	5/3 closed centre	1	<b>DX1-616-7B</b>	0,37
		2	<b>DX2-616-7B</b>	0,60
		3	<b>DX3-616-7B</b>	1,10
	5/3 vented centre	1	<b>DX1-611-7B</b>	0,37
		2	<b>DX2-611-7B</b>	0,60
		3	<b>DX3-611-7B</b>	1,10
	5/3 pressurised centre	1	<b>DX1-613-7B</b>	0,37
		2	<b>DX2-613-7B</b>	0,60

## Order codes

Electrically actuated valves with CNOMO 06-05-10 30 mm solenoid 24 V DC (supplied without cable plug) ;

Symbol	Function	ISO 5599-1 size	Order code	Weight kg
	Bistable	1	<b>DX1-606-761M</b>	0,65
		2	<b>DX2-606-761M</b>	0,90
		3	<b>DX3-606-761M</b>	1,40
	5/2 Monostable differential	1	<b>DX1-651-761M</b>	0,50
		2	<b>DX2-651-761M</b>	0,75
		3	<b>DX3-651-761M</b>	1,25
	5/2 Monostable spring	1	<b>DX1-621-761M</b>	0,50
		2	<b>DX2-621-761M</b>	0,75
		3	<b>DX3-621-761M</b>	1,25
	5/3 closed centre	1	<b>DX1-616-761M</b>	0,35
		2	<b>DX2-616-761M</b>	0,90
		3	<b>DX3-616-761M</b>	1,40
	5/3 vented centre	1	<b>DX1-611-761M</b>	0,65
		2	<b>DX2-611-761M</b>	0,90
		3	<b>DX3-611-761M</b>	1,40
	5/3 pressurised centre	1	<b>DX1-613-761M</b>	0,65
		2	<b>DX2-613-761M</b>	0,90









Electrically actuated valves with 15 mm solenoid 24 V DC (supplied without cable plug) ;

Symbol	Function	ISO 5599-1 size	Order code	Weight kg
	Bistable	1	<b>DX1-606-7B1M</b>	0,45
		2	<b>DX2-606-7B1M</b>	0,70
		3	<b>DX3-606-7B1M</b>	1,20
	5/2 Monostable differential	1	<b>DX1-651-7B1M</b>	0,41
		2	<b>DX2-651-7B1M</b>	0,65
		3	<b>DX3-651-7B1M</b>	1,15
	Monostable spring	1	<b>DX1-621-7B1M</b>	0,41
		2	<b>DX2-621-7B1M</b>	0,65
		3	<b>DX3-621-7B1M</b>	1,15
	5/3 closed centre	1	<b>DX1-616-7B1M</b>	0,45
		2	<b>DX2-616-7B1M</b>	0,70
		3	<b>DX3-616-7B1M</b>	1,20
	5/3 vented centre	1	<b>DX1-611-7B1M</b>	0,45
		2	<b>DX2-611-7B1M</b>	0,70
		3	<b>DX3-611-7B1M</b>	1,20
	5/3 pressurised centre	1	<b>DX1-613-7B1M</b>	0,45
		2	<b>DX2-613-7B1M</b>	0,70



Note : all valves proposed in this page are supplied with non-locking manual override on the solenoids ; to obtain the same valves with locking manual override change the last digits of the order coder from 1M to 3M.



Solenoids

		Voltage	Weight kg	Order code Without manual override	Order code Manual override non locking	Order code Manual override locking
<b>EV30-6.5 W solenoids with CNOMO 06-05-10 interface and for cable plug DIN 43650 form A (supplied without cable plug)</b>						
		24 V DC	0,17	<b>EV30M0100</b>	<b>EV30M1100</b>	<b>EV30M3100</b>
		24 V AC	0,17	<b>EV30C0100</b>	<b>EV30C1100</b>	<b>EV30C3100</b>
		110 V AC	0,17	<b>EV30J0100</b>	<b>EV30J1100</b>	<b>EV30J3100</b>
		230 V DC	0,17	<b>EV30A0100</b>	<b>EV30A1100</b>	<b>EV30A3100</b>
<b>EV30-3 W solenoids with CNOMO 06-05-10 interface and for cable plug DIN 43650 form A (supplied without cable plug)</b>						
		24 V DC	0,17	<b>EV30M0200</b>	<b>EV30M1200</b>	<b>EV30M3200</b>
		24 V AC	0,17	<b>EV30C0200</b>	<b>EV30C1200</b>	<b>EV30C3200</b>
		110 V AC	0,17	<b>EV30J0200</b>	<b>EV30J1200</b>	<b>EV30J3200</b>
		230 V AC	0,17	<b>EV30A0200</b>	<b>EV30A1200</b>	<b>EV30A3200</b>
<b>EV310-3W solenoids with CNOMO 06-05-10 interface and for cable plug DIN 43650 form B (supplied without cable plug)</b>						
		24 V DC	0,17	<b>EV0M310</b>	<b>1EV1M310</b>	<b>EV3M310</b>
		24 V AC	0,17	<b>EV0C310</b>	<b>1EV1C310</b>	<b>EV3C310</b>
		110 V AC	0,17	<b>EV0J310</b>	<b>1EV1J310</b>	<b>EV3J310</b>
		230 V AC	0,17	<b>EV0A310</b>	<b>1EV1A310</b>	<b>EV3A310</b>
<b>15 mm High-flow solenoids 1.8 W for cable plug DIN 43650 form C (supplied without cable plug)</b>						
		24 V DC	0,17	<b>P2E-HV32C0</b>	<b>P2E-HV32C1</b>	<b>P2E-HV32C2</b>
		24 V AC	0,17	<b>P2E-HV31C0</b>	<b>P2E-HV31C1</b>	<b>P2E-HV31C2</b>
		48 V DC	0,17	<b>P2E-HV32D0</b>	<b>P2E-HV32D1</b>	<b>P2E-HV32D2</b>
		115/120 V AC	0,17	<b>P2E-HV31F0</b>	<b>P2E-HV31F1</b>	<b>P2E-HV31F2</b>

Cable plugs

		Description	Order code DIN 43650 form A (for EV30)	Order code DIN 43650 form B (for EV310)	Order code DIN 43650 form C (for 15 mm solenoid)
	- Standard (without flying lead)		<b>3EV290V10</b>	<b>3EV10V10</b>	<b>P8C-D</b>
	- With LED and protection 24 V AC/DC		<b>3EV290V20-24</b>	<b>3EV10V20-24</b>	<b>P8C-D26C</b>
	- With LED and protection 110 V AC		<b>3EV290V20-110</b>	<b>3EV10V20-110</b>	<b>P8C-D21E</b>
	- With LED and protection 230 V AC		<b>3EV290V20-230</b>	<b>3EV10V20-230</b>	-
	- With 5 m flying lead cable LED and protection 24 V AC/DC		<b>3EV290V20-24L5</b>	<b>3EV10V20-24L5</b>	<b>P8L-C526C</b>
	- With 5 m cable - LED and protection 110 V AC		<b>3EV290V20-110L5</b>	<b>3EV10V20-110L5</b>	<b>P8L-C521E</b>
	- With 5 m cable - LED and protection 230 V AC		<b>3EV290V20-230L5</b>	<b>3EV10V20-230L5</b>	-

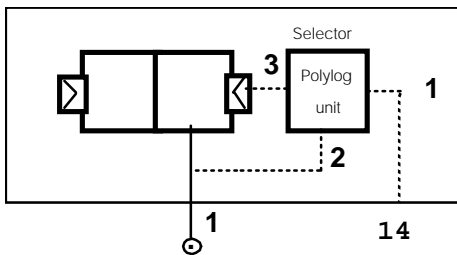


**LOGISO interfaces**

Logiso interfaces allow direct mounting of logic elements on Isomax valves sizes 1 to 3 ; it allows to create simple solution on creating complex valve pilot function : low pressure or high pressure signal, delayed pilot signal, or control of alternating movement, etc....



Symbol	Function	Order code	Weight kg
--------	----------	------------	-----------

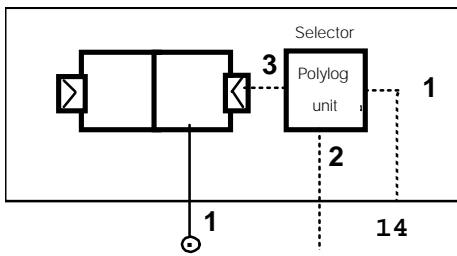


Port 1 (input signal 1 for logic element) is connected to pilot port 12 or 14 valves subbase.

**38DX70**

0,05

Port 2 (input signal 2 for logic element) is connected to the internal air supply of the valve.



Port 1 (input signal 1 for logic element) is connected to pilot port 12 or 14 valves subbase.

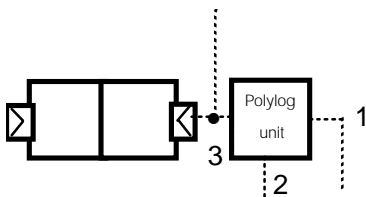
**34DX70**

0,25

Port 2 (input signal 2) for logic element is connected to the external Ø 4 mm push-in fitting.

Ø 4 mm connector on LOGISO EX

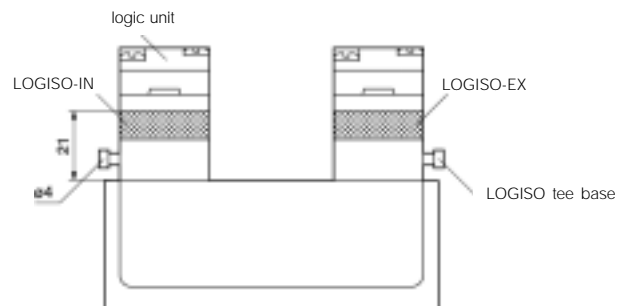
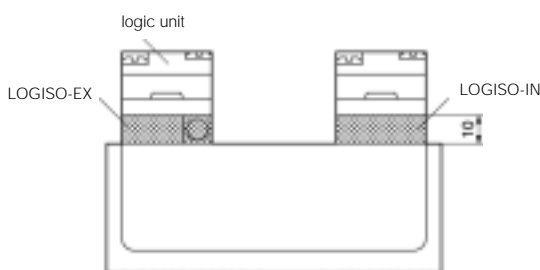
Ø 4 mm connector on LOGISO Tee



Use to tee off output (port 3) of the logic unit. Has to be mounted in association with Logiso IN or Logiso Ex interfaces for use with logic elements.

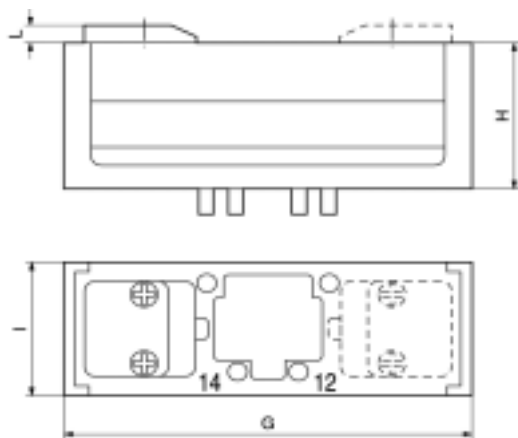
**33DX70**

0,05

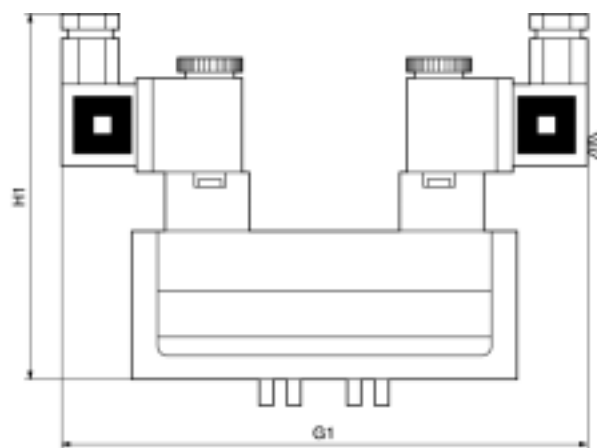


## Dimensions

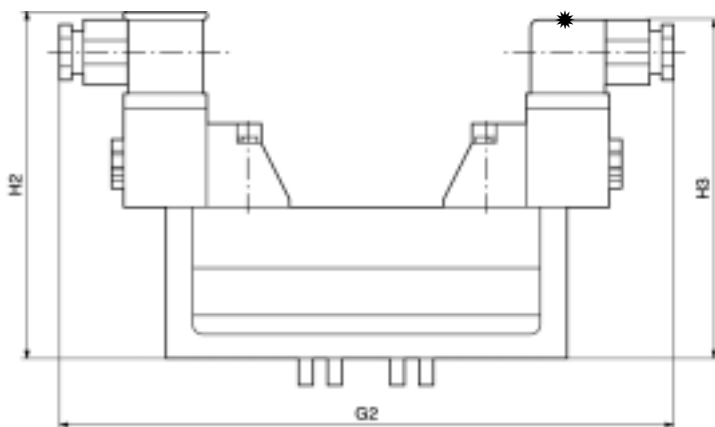
### Pneumatically actuated



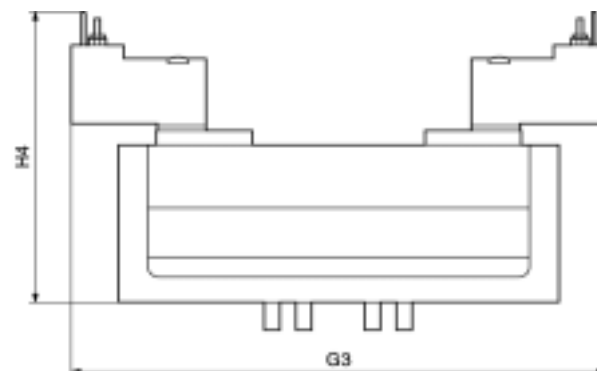
### With EV30 solenoids



### With EV310 solenoids



### With 15 mm solenoids



	G	G1	G2	G3	H	H1	H2	H3	H4	I	L
<b>DX1</b>	120	164	202,5	160	47	115	112,5	119	79	42	5
<b>DX2</b>	140	179,5	218	175,5	58,5	126,5	126,5	130	90,5	54	5
<b>DX3</b>	170	198	235,5	194	71	139	139	142,5	103	68	5



**General characteristics :**

Standard subbase :	ISO 5599-1 and NFE 49-080
Permissible fluid :	Air or inert gas, filtered 40 µ (classe 5 according to ISO 8573-1), lubricated or non-lubricated
Piloting pressure :	2 to 10 bar
Operating pressure :	-0,9 to 10 bar (for pressure under 2 bar, external pilot supply has to be connected)
Supply from exhaust :	Possible
Flow (Qmax) :	DX1 = 1680 NI/mn - DX2 = 4320 NI/mn - DX3 = 6540 NI/mn
Working temperatures :	-10 to + 60°C (dry air)
Storage temperatures :	-20 to + 70°C
Mechanical life :	> 100 millions operations (dry air filtered 40 µ, 2 Hz, 6 bar, 20°C)
Actuation type :	Electrically
Voltage :	24 V DC
Electrical connections :	Central M12 connector (according to norm E03.62.520N) with 4 pins Pin 1 : free Pin 2 : +24 V DC side 12 Pin 3 : 0 V common Pin 4 : + 24 V DC side 14
Dust and water protection :	IP 65 (according to EN 60529)
Pilot power consumption :	1,8 W per pilot
Solenoid actuation indication :	By green LED
Manual override :	Locking or non locking on the solenoids (version without manual override on request)

**Material specification :**

Valve member - seat :	Self lubricating acetal - ceramic
Body :	Polyamide reinforced fibreglass
Casing - End plates :	Anodised aluminium - Painted zinc plated steel
Valve plate :	Zamak
Seals :	Nitrile
Springs :	Stainless steel
Screws :	Zinc plated steel
Function selector : Top cover - Seal :	Polyamide reinforced fibreglass - Polyester

**Ordering key**

Execution	Size	Pilot	Manual override	Voltage	Connector
Standard	1 Size 1 (ISO 5599) 2 Size 2 (ISO 5599) 3 Size 3 (ISO 5599)	6 Electro-pneumatic	0 Without any 1 Flush non locking 3 Flush locking 2 Flush non locking (extended 15 mm) 5 Flush locking (extended, 15 mm)	M 24 V DC	A M12 connector (5° oriented, 12 side) B M12 connector (22,5° oriented, 14 side)

DX
 
1
-
6
21
-
96
1
M
B

Function	electro-pneumatic			
	int. supply	ext. supply by 12 and 14	ext. supply by 14	int. supply 12 ext. supply 14
5/2 bistable	06	08	61	07
5/2 bistable, 14 prioritised	56	58	62	
5/2 monostable, spring return	21	22		
5/2 monostable, differential return	51	53	63	52
5/3 pressure vented centre	11	12	64	10
5/3 pressure closed centre	16	18	65	17
5/3 pressurised centre	13	14	66	15

Electrical operator, auxiliary manual pilot on spool	
electrical operator	aux. manual. pilot
96 15 mm solenoid 1,8 W (high flow)	No

= product available on special request

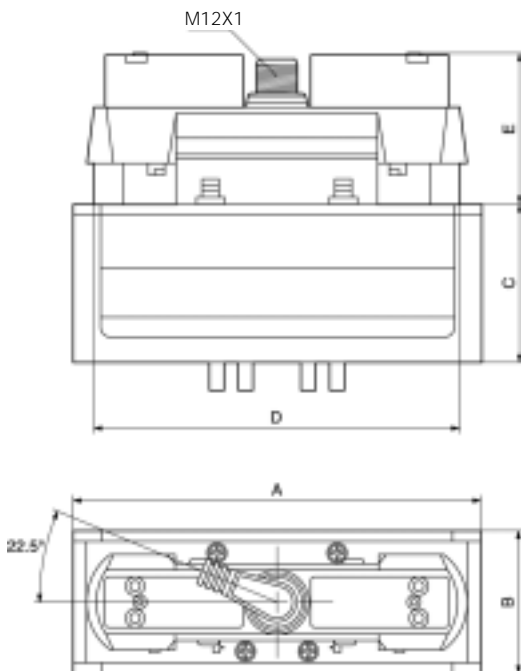
**Order codes**

**Manual override non-locking ; internal pilot supply**

Symbol	Function	ISO 5599-1 Size	Order code with M12 5° oriented side 12	Weight kg	Order code with M12 22,5° oriented side 14	Weight kg
	Bistable	1	<b>DX1-606-961MA</b>	0,50	<b>DX1-606-961MB</b>	0,50
		2	<b>DX2-606-961MA</b>	0,74	<b>DX2-606-961MB</b>	0,74
		3	<b>DX3-606-961MA</b>	1,30	<b>DX3-606-961MB</b>	1,30
	5/2 Monostable differential	1	<b>DX1-651-961MA</b>	0,47	<b>DX1-651-961MB</b>	0,47
		2	<b>DX2-651-961MA</b>	0,70	<b>DX2-651-961MB</b>	0,70
		3	<b>DX3-651-961MA</b>	1,25	<b>DX3-651-961MB</b>	1,25
	5/2 Monostable spring	1	<b>DX1-621-961MA</b>	0,47	<b>DX1-621-961MB</b>	0,47
		2	<b>DX2-621-961MA</b>	0,70	<b>DX2-621-961MB</b>	0,70
		3	<b>DX3-621-961MA</b>	1,25	<b>DX3-621-961MB</b>	1,25
	5/3 closed centre	1	<b>DX1-616-961MA</b>	0,50	<b>DX1-616-961MB</b>	0,50
		2	<b>DX2-616-961MA</b>	0,74	<b>DX2-616-961MB</b>	0,74
		3	<b>DX3-616-961MA</b>	1,30	<b>DX3-616-961MB</b>	1,30
	5/3 vented centre	1	<b>DX1-611-961MA</b>	0,50	<b>DX1-611-961MB</b>	0,50
		2	<b>DX2-611-961MA</b>	0,74	<b>DX2-611-961MB</b>	0,74
		3	<b>DX3-611-961MA</b>	1,30	<b>DX3-611-961MB</b>	1,30
	5/3 pressurised centre	1	<b>DX1-613-961MA</b>	0,50	<b>DX1-613-961MB</b>	0,50
		2	<b>DX2-613-961MA</b>	0,74	<b>DX2-613-961MB</b>	0,74

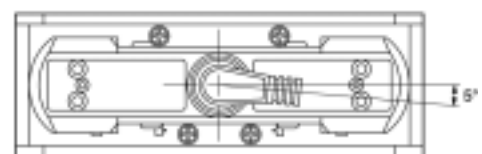
Note : for all other versions, see ordering key page 18

**Dimensions**



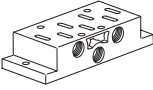





	A	B	C	D	E*
<b>DX1</b>	120	42	47	108	44
<b>DX2</b>	140	54	58,5	114	44
<b>DX3</b>	170	68	71	132	44

\* For version with external pilot supply common by 14, add 6 mm.

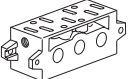

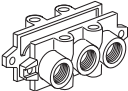
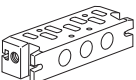

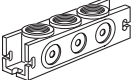

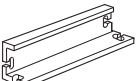

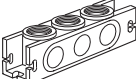


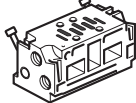

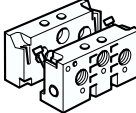
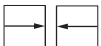


## Manifolds and subbases

### Single subbases

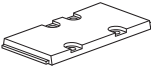
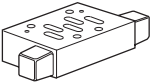
		Description	Order code	Weight kg	Port size
		Subbase with side ports according to VDMA			
		Size 1	P2N-VS512SD	0,16	G1/4
		Size 2	P2N-WS513S	0,28	G3/8
		Size 3	P2N-YS514SD	0,35	G1/2
		Subbase with side ports			
		Size 1	PL1-1/4-70	0,16	G1/4
		Size 2	PL2-3/8-70	0,28	G3/8
		Size 3	P2N-JS516SD	0,57	G3/4
		Subbase with bottom ports			
		Size 1	PD1-1/4-70	0,37	G1/4
		Size 2	PD2-3/8-70	0,59	G3/8
		Size 3	PD3-1/2-70	0,90	G1/2

### Manifolds

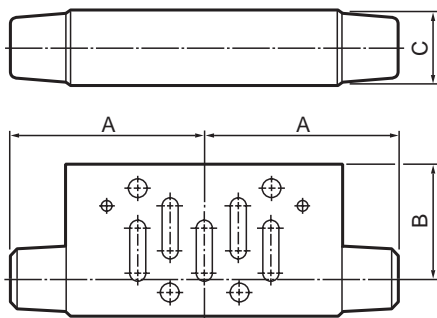
		Description	Order code	Weight kg	Port size
		Manifold with bottom ports according to VDMA			
		Size 1	P2N-VM512MB	0,24	G1/4
		Size 2	P2N-WM513MB	0,36	G3/8
		Size 3	P2N-YM514MB	0,70	G1/2
		End plate kit for above bottom ported manifold according to VDMA			
		Size 1	P2N-VM513E	0,21	G3/8
		Size 2	P2N-WM514ES	0,36	G1/2
		Size 3	P2N-YM518ES	0,68	G1
		Manifold with bottom ports low profile			
		Size 1	P2N-AM512MB	0,20	G1/4
		Top or bottom ported connecting block for above manifold "low profile"			
		Size 1	P2N-AM513GT	0,15	G3/8
		End piece for above manifold "low profile"			
		Size 1	P2N-AM500J	0,06	
		Top or bottom ported intermediate supply for above manifold "low profile"			
		Size 1	P2N-AM513BT	0,14	G3/8
		Isolating seal for above manifold "low profile"			
		Size 1	P2N-AK0P	0,07	
		Manifold with side port			
		Size 1	P2N-EM512MD	0,24	G1/4
		Size 2	P2N-FM513MD	0,36	G3/8
		Side ported connecting kit for above manifold with side ports			
		Size 1	P2N-EM513ES	0,21	G3/8
		Size 2	P2N-FM514ES	0,29	G1/2

**Manifolds and subbases accessories**

**Order codes**

	Description	Order code	Weight kg
	<b>Blanking plate</b>		
	Size 1	<b>P2N-AA5B</b>	0,10
	Size 2	<b>P2N-BA5B</b>	0,15
	Size 3	<b>P2N-CA5B</b>	0,20
	<b>Sandwich flow control interface function plate</b> (for exhaust flow control - adjustment by hex. Key)		
	Size 1	<b>P2N-GA5F</b>	0,22
	Size 2	<b>P2N-HA5F</b>	0,35
	Size 3	<b>P2N-JA5F</b>	0,86

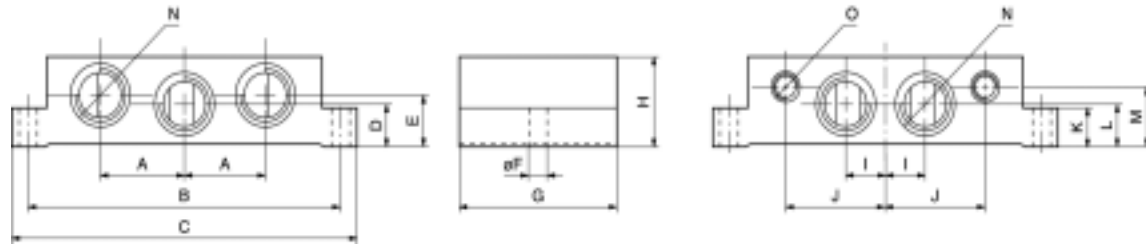
**Dimensions**



	ISO size	A	B	C	D
<b>P2N-GA5F</b>	<b>1</b>	51	30	20	89
<b>P2N-HA5F</b>	<b>2</b>	67	25	26	108
<b>P2N-JA5F</b>	<b>3</b>	89	33,5	33	122

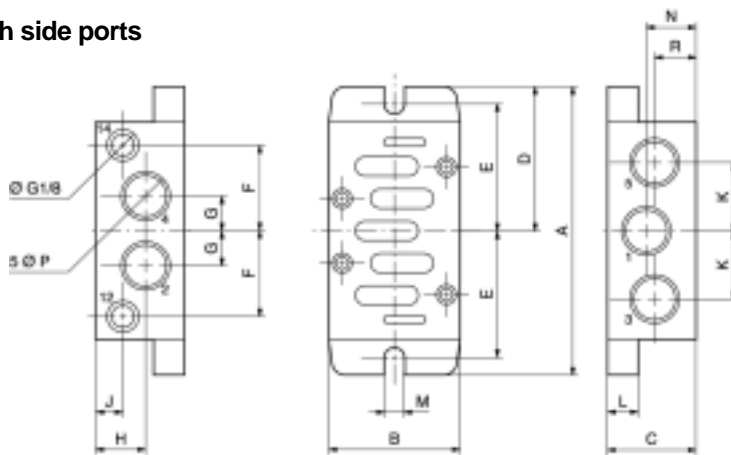
**Dimensions**

**Single subbase with side ports according to VDMA**



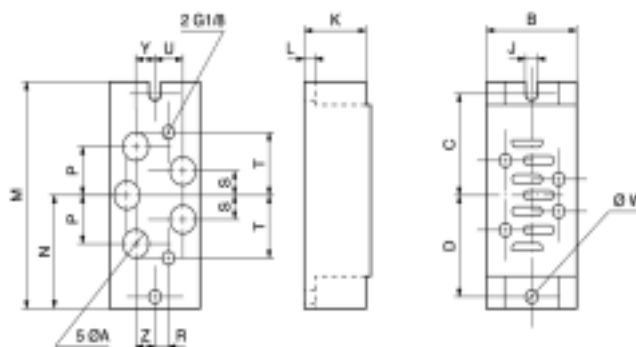
Order code	ISO Size	Port Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
P2N-VS512SD	1	G1/4	21,5	98	110	11	20	5,5	48	32	12	29	10	11	23	G1/4	G1/8
P2N-WS513S	2	G3/8	28	112	124	14	26	6,6	56	40	15	37	13	14	30	G3/8	G1/8
P2N-YS514SD	3	G1/2	34	136	149	17	17	6,6	71	32	16	45	18	17	22	G1/2	G1/8

**Single subbase with side ports**



Order code	ISO Size	ØP	A	B	C	D	E	F	G	H	J	K	L	M	N	R
PL1-1/4-70	1	G1/4	110	46	29	55	49	30	11	17,75	17,75	22	6	5,5	17,75	17,75
PL2-3/8-70	2	G3/8	124	56	37	62	55	37	14,5	22,5	14	28	6	5,5	22,5	14,5
P2N-JS516SD	3	G3/4	149	71	60	74,5	68	45	21	33	10	40	18	6,6	37,5	22,5

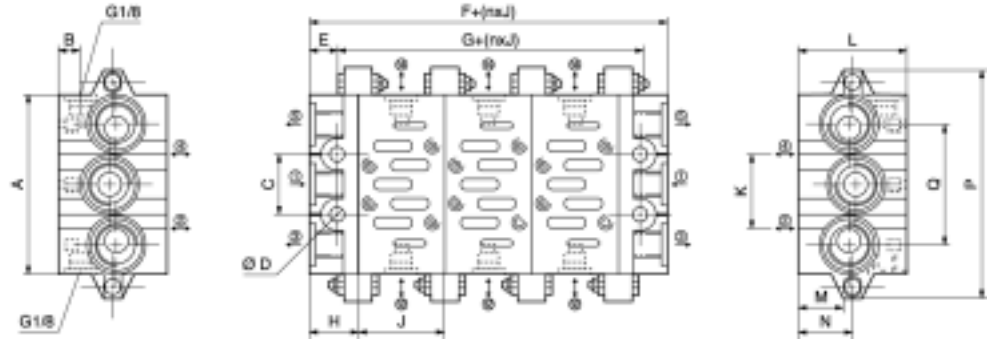
**Single subbase with bottom ports**



Order code	A	B	C	D	J	K	L	M	N	P	R	S	T	U	W	Y	Z
PD1-1/4-70	G1/4	46	49	49	5,5	29	6	110	55	22	10	11	30	10	5,5	10	10
PD2-3/8-70	G3/8	56	55	55	5,5	37	6	124	62	29	10	14,5	37	12,5	5,5	12,5	12,5
PD3-1/2-70	G1/2	77	68	68	6,6	32	18	149	74,5	34	10	17	45	17	6,5	17	17

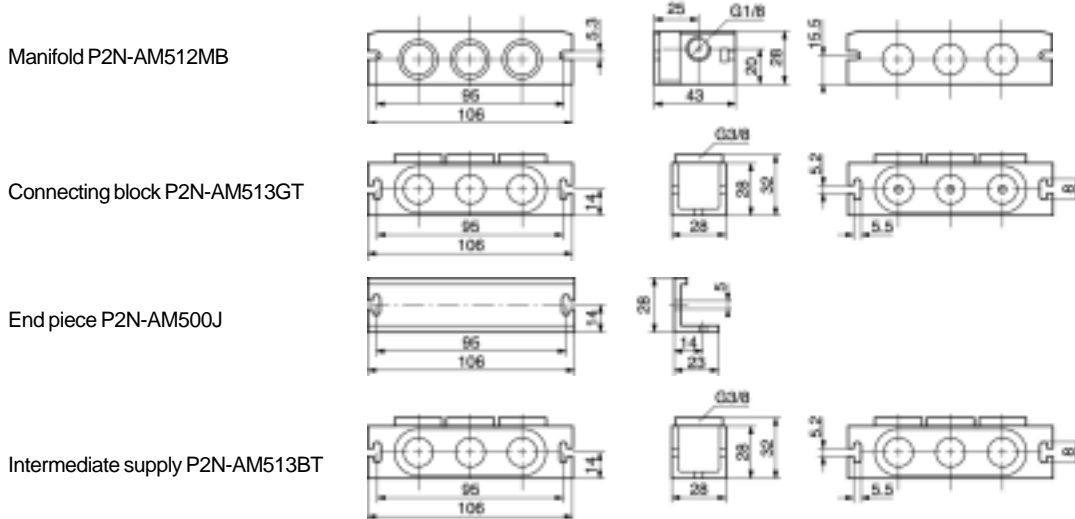


## Manifold and end plates according to VDMA (P2N-VM / WM / YM)

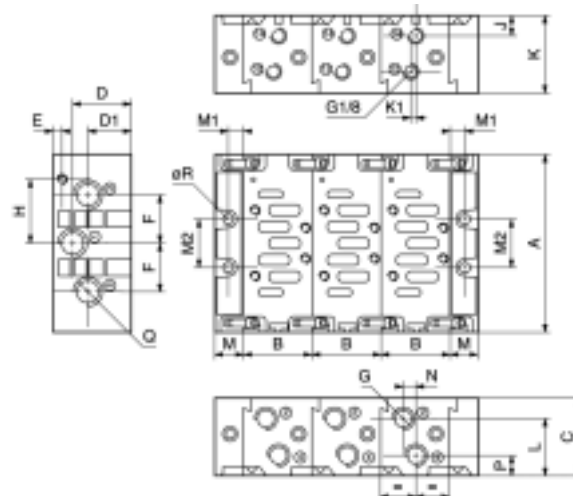


ISO Size	Port 1, 3, 5	Port 2, 4	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P
1	G3/8	G1/4	85	8,5	28	7	11	44	22	22	43	26	46	21	24	56	110
2	G1/2	G3/8	100	9	35	9	13	52	26	26	56	30	47	22	24	68	135
3	G1	G1/2	140	10	52	12	15	60	30	30	71	38	56	31	34	104	190

## Manifold and end plates with bottom ports "low profile" (P2N-AM..)



## Manifold and end plates with side ports (P2N-EM / FM..)



Order code	A	B	C	D	D1	E	F	G	H	J	K	K1	L	M	M1	M2	N	P	Q	R
P2N-EM ...	110	43	48	35,5	26,5	5,5	28	G1/4	36	15,5	35	3	32	20	11	28	12	12,5	G3/8	6
P2N-FM ...	129	56	60	44,5	35,5	6	34,5	G3/8	45	16	41,5	3	41	24	13	35	12,5	16	G1/2	8

## Pneumatic Division Sales Offices

---

**Austria - Wr.Neustadt**

Tel: +43 2622 23501  
Fax: +43 2622 66212

**Belgium - Nivelles**

Tel: +32 067 280 900  
Fax: +32 067 280 999

**Czech & Slovak  
Republic - Prague**

Tel: +420 283 085 221  
Fax: +420 283 085 360

**Denmark - Ishøj**

Tel: +45 43 560400  
Fax: +45 43 733107

**Finland - Vantaa**

Tel: +358 9 4767 31  
Fax: +358 9 4767 3201

**France - Evreux**

Tel: +33 820 825 239  
Fax: +33 820 029 870

**Germany - Mettmann**

Tel: +49 2104 137-0  
Fax: +49 2104 137-500

**Greece - Athens**

Tel: +30 10 933 6450  
Fax: +30 10 933 6451

**Hungary - Budapest**

Tel: +36 1 220 4155  
Fax: +36 1 422 1525

**Italy - Corsico, Milan**

Tel: +39 02 4519 21  
Fax: +39 02 4479 340

**Netherlands - Oldenzaal**

Tel: +31 541 585000  
Fax: +31 541 585459

**Norway - Langhus**

Tel: +47 6491 1000  
Fax: +47 6491 1090

**Poland - Warsaw**

Tel: +48 22 863 49 42  
Fax: +48 22 863 49 44

**Portugal - Leça da  
Palmeira**

Tel: +351 22 999 7360  
Fax: +351 22 996 1527

**Romania - Bucharest**

Tel: +40 21 252 3382  
Fax: +40 21 252 3381

**Russia - Moscow**

Tel: +7 095 234 0054  
Fax: +7 095 234 0528

**Slovenia - Novo mesto**

Tel: +386 7337 6650  
Fax: +386 7337 6651

**Spain - Madrid**

Tel: +34 91 675 7300  
Fax: +34 91 675 7711

**Sweden - Spånga**

Tel: +46 (0) 8 5979 5000  
Fax: +46 (0) 8 5979 5110

**Switzerland - Biel**

Tel: +41 32 3653711  
Fax: +41 32 3653730

**UK - Cannock**

Tel: +44 1543 456000  
Fax: +44 1543 456001

**Ukraine - Kiev**

Tel: + 380 44 220 7432  
Fax: + 380 44 220 6534



**Parker Hannifin plc**  
Pneumatic Division,  
Walkmill Lane, Bridgtown,  
Cannock, Staffs. WS11 3LR  
United Kingdom

