

DX Global ISO Valves

A complete range of pneumatic
ISO valves



Rust and corrosion resistant body

With the valve body in polyamide reinforced fiberglass and the casting in anodised aluminium, the Isomax range presents a comprehensive modern design to suit most industrial environments.

- **ISO 15407-1 Sizes 02 & 01 and ISO 5599-1 Sizes 1, 2 & 3**
- **Ceramic technology for long life operation**
- **From vacuum up to 12 bar applications**
- **Internal or external pilot supply with same valves**
- **M12 on each coil**
- **Common M12**

Ceramic slide valves for maximum operational life. Solenoid or air pilot actuation. Vacuum to 10 bar general applications.

- Size 01 and 02 (26 and 18 mm)
- Ceramic technology for long life operation
- From vacuum up to 10 bar applications
- Internal or external pilot supply with same valves
- Capture solenoid exhaust



Operation information

Working pressure :	-0,9 to 10 bar	
Working temperature :	-10 to +60°C	
	DX02	DX01
Flow (Qmax.) :	630 l/min	1000 l/min
Flow (Qn) :	385 l/min	585 l/min

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 :**

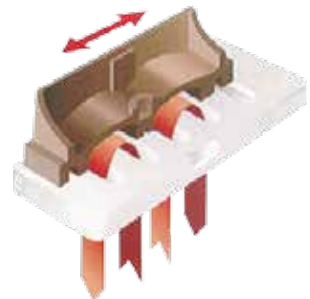
Slide valve concept allows high flow / size ratio and short response time due to short slide stroke and low friction.



• **Switchable selector**

Valves fitted with switchable selector to give internal or external pilot supply

Ceramic plate



• **Size 02 & Size 01**

Solenoid exhaust pilot


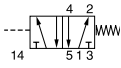
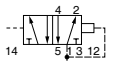
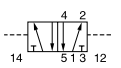
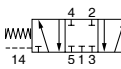
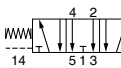
• **Stable long lasting performances**

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

Isomax - ISO 15407-1 - Sizes 02 & 01


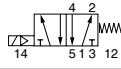
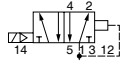
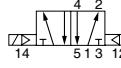
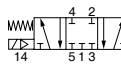
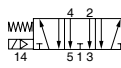
Pneumatic remote pilot operated

Without valve spool manual override

	Symbol	Description	Size	Weight (g)	Order code
		5/2 Air pilot - Spring return	02 - 18 mm	90	DX02-421-60
			01 - 26mm	130	DX01-421-60
		5/2 Air pilot - Differential	02 - 18 mm	90	DX02-451-60
			01 - 26mm	130	DX01-451-60
		5/2 Double air pilot	02 - 18 mm	90	DX02-406-60
			01 - 26mm	130	DX01-406-60
		5/3 Closed Centre (APB)	02 - 18 mm	90	DX02-416-60
			01 - 26mm	130	DX01-416-60
		5/3 Vented Center	02 - 18 mm	90	DX02-411-60
			01 - 26mm	130	DX01-411-60

Isomax - ISO 15407-1 - Sizes 02 & 01


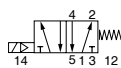
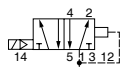
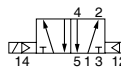
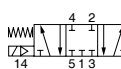
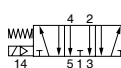
15 mm DIN C / 24 Vdc / 1,2 W solenoid valve operator

	Symbol	Description	Size	Weight (g)	Order code
		5/2 Single solenoid - Spring return	02 - 18 mm	130	DX02-621-951M
			01 - 26mm	170	DX01-621-951M
		5/2 Single solenoid - Differential	02 - 18 mm	130	DX02-651-951M
			01 - 26mm	170	DX01-651-951M
		5/2 Double solenoid	02 - 18 mm	130	DX02-606-951M
			01 - 26mm	170	DX01-606-951M
		5/3 Closed Centre (APB)	02 - 18 mm	130	DX02-616-951M
			01 - 26mm	170	DX01-616-951M
		5/3 Vented Center	02 - 18 mm	160	DX02-611-951M
			01 - 26mm	170	DX01-611-951M

Solenoid connectors & cable plugs to be ordered separately. See solenoid section

Isomax - ISO 15407-1 - Sizes 02 & 01

Without 15 mm DIN C solenoid valve operator

	Symbol	Description	Size	Weight (g)	Order code
		5/2 Single solenoid - Spring return	02 - 18 mm	130	DX02-621-60
			01 - 26mm	170	DX01-621-60
		5/2 Single solenoid - Differential	02 - 18 mm	130	DX02-651-60
			01 - 26mm	170	DX01-651-60
		5/2 Double solenoid	02 - 18 mm	130	DX02-606-60
			01 - 26mm	170	DX01-606-60
		5/3 Closed Centre (APB)	02 - 18 mm	130	DX02-616-60
			01 - 26mm	170	DX01-616-60
		5/3 Vented Center	02 - 18 mm	160	DX02-611-60
			01 - 26mm	170	DX01-611-60

15mm solenoid valve operator, solenoid connectors & cable plug to be ordered separately. See solenoid section

Ceramic slide valves for maximum operational life. Solenoid or air pilot operated with a wide choice of bases and manifolds. Vacuum to 12 bar general applications.

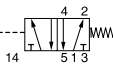
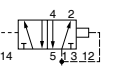
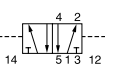
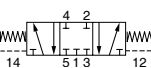
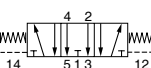
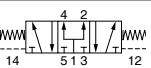
- Size 1, 2 and 3
- Ceramic technology for long life operation
- From vacuum up to 12 bar applications
- Internal or external pilot supply with same valves
- M12 on each coil
- Common M12



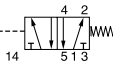
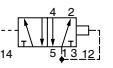
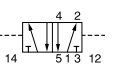
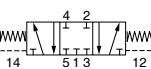
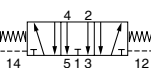
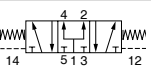
 **For ATEX specific products contact Sales Office**

**Isomax - ISO 5599-1 - Sizes 1, 2 & 3
Pneumatic remote pilot operated
With direct valve spool manual override**

Operation information			
Working pressure :	-0,9 to 12 bar		
Working temperature :	-10 to +60°C		
	DX1	DX2	DX3
Flow (Qmax.) :	1680 l/min	3640 l/min	6420 l/min
Flow (Qn.) :	1150 l/min	2330 l/min	4050 l/min
ATEX approval:	CE Ex II 2 GD c 85°C		

Symbol	Description	Size	Weight (g)	Order code
	5/2 Air pilot - Spring return	1 - 43 mm	350	DX1-421-70
		2 - 56 mm	600	DX2-421-70
		3 - 71 mm	1100	DX3-421-70
	5/2 Air pilot - Differential	1 - 43 mm	350	DX1-451-70
		2 - 56 mm	600	DX2-451-70
		3 - 71 mm	1100	DX3-451-70
	5/2 Double air pilot	1 - 43 mm	350	DX1-406-70
		2 - 56 mm	600	DX2-406-70
		3 - 71 mm	1100	DX3-406-70
	5/3 Closed Center (APB)	1 - 43 mm	350	DX1-416-70
		2 - 56 mm	600	DX2-416-70
		3 - 71 mm	1100	DX3-416-70
	5/3 Vented Center	1 - 43 mm	350	DX1-411-70
		2 - 56 mm	600	DX2-411-70
		3 - 71 mm	1100	DX3-411-70
	5/3 Pressurised Center	1 - 43 mm	350	DX1-413-70
		2 - 56 mm	600	DX2-413-70


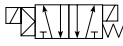
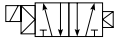

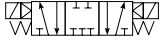
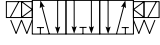
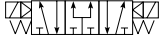
**Isomax - ISO 5599-1 - Sizes 1, 2 & 3
Pneumatic remote pilot operated
Without direct valve spool manual override**

Symbol	Description	Size	Weight (g)	Order code
	5/2 Air pilot - Spring return	1 - 43 mm	350	DX1-421-60
		2 - 56 mm	600	DX2-421-60
		3 - 71 mm	1100	DX3-421-60
	5/2 Air pilot - Differential	1 - 43 mm	350	DX1-451-60
		2 - 56 mm	600	DX2-451-60
		3 - 71 mm	1100	DX3-451-60
	5/2 Double air pilot	1 - 43 mm	350	DX1-406-60
		2 - 56 mm	600	DX2-406-60
		3 - 71 mm	1100	DX3-406-60
	5/3 Closed Center (APB)	1 - 43 mm	350	DX1-416-60
		2 - 56 mm	600	DX2-416-60
		3 - 71 mm	1100	DX3-416-60
	5/3 Vented Center	1 - 43 mm	350	DX1-411-60
		2 - 56 mm	600	DX2-411-60
		3 - 71 mm	1100	DX3-411-60
	5/3 Pressurised Center	1 - 43 mm	350	DX1-413-60
		2 - 56 mm	600	DX2-413-60

Isomax - ISO 5599-1 - Sizes 1, 2 & 3

CNOMO operator with 30 x 30 DIN Form A / 24 Vdc / 2,7 W solenoid

With non locking manual override on solenoid valve operator - Without direct valve spool manual override



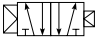

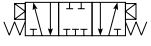
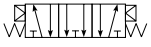
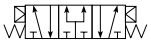
Symbol	Description	Size	Weight (g)	Order code
	5/2 Single solenoid - Spring return 	1 - 43 mm	500	DX1-621-BL49
		2 - 56 mm	750	DX2-621-BL49
		3 - 71 mm	1250	DX3-621-BL49
	5/2 Single solenoid - Differential 	1 - 43 mm	500	DX1-651-BL49
		2 - 56 mm	750	DX2-651-BL49
		3 - 71 mm	1250	DX3-651-BL49
	5/2 Double solenoid 	1 - 43 mm	650	DX1-606-BL49
		2 - 56 mm	900	DX2-606-BL49
		3 - 71 mm	1400	DX3-606-BL49
5/3 Closed Center (APB) 	1 - 43 mm	560	DX1-616-BL49	
	2 - 56 mm	900	DX2-616-BL49	
	3 - 71 mm	1400	DX3-616-BL49	
5/3 Vented Center 	1 - 43 mm	650	DX1-611-BL49	
	2 - 56 mm	900	DX2-611-BL49	
	3 - 71 mm	1400	DX3-611-BL49	
5/3 Pressurised Center 	1 - 43 mm	650	DX1-613-BL49	
	2 - 56 mm	900	DX2-613-BL49	

Solenoid connectors & cable plug to be ordered separately. See solenoid section

Isomax - ISO 5599-1 - Sizes 1, 2 & 3

CNOMO operator without coil

With non locking manual override on solenoid valve operator - Without direct valve spool manual override





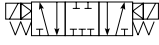
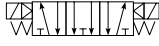
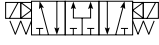
Symbol	Description	Size	Weight (g)	Order code
	5/2 Single solenoid - Spring return 	1 - 43 mm	400	DX1-621-BN
		2 - 56 mm	650	DX2-621-BN
		3 - 71 mm	1150	DX3-621-BN
	5/2 Single solenoid - Differential 	1 - 43 mm	400	DX1-651-BN
		2 - 56 mm	650	DX2-651-BN
		3 - 71 mm	1150	DX3-651-BN
	5/2 Double solenoid 	1 - 43 mm	550	DX1-606-BN
		2 - 56 mm	800	DX2-606-BN
		3 - 71 mm	1300	DX3-606-BN
5/3 Closed Center (APB) 	1 - 43 mm	550	DX1-616-BN	
	2 - 56 mm	800	DX2-616-BN	
	3 - 71 mm	1300	DX3-616-BN	
5/3 Vented Center 	1 - 43 mm	550	DX1-611-BN	
	2 - 56 mm	800	DX2-611-BN	
	3 - 71 mm	1300	DX3-611-BN	
5/3 Pressurised Center 	1 - 43 mm	550	DX1-613-BN	
	2 - 56 mm	800	DX2-613-BN	

30 x 30 DIN Form A or 22 x 30 DIN Form B coil & coil connectors to be ordered separately. See solenoid section

Isomax - ISO 5599-1 - Sizes 1, 2 & 3

Valve alone without operator





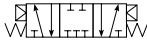

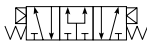
With direct valve spool manual override

Symbol	Description	Size	Weight (g)	Order code	
		5/2 Air pilot - Spring return	1 - 43 mm	350	DX1-621-70
		2 - 56 mm	600	DX2-621-70	
		3 - 71 mm	1100	DX3-621-70	
		5/2 Air pilot - Differential	1 - 43 mm	350	DX1-651-70
		2 - 56 mm	600	DX2-651-70	
		3 - 71 mm	1100	DX3-651-70	
		5/2 Double air pilot	1 - 43 mm	350	DX1-606-70
		2 - 56 mm	600	DX2-606-70	
		3 - 71 mm	1100	DX3-606-70	
	5/3 Closed Center (APB)	1 - 43 mm	350	DX1-616-70	
	2 - 56 mm	600	DX2-616-70		
	3 - 71 mm	1100	DX3-616-70		
	5/3 Vented Center	1 - 43 mm	350	DX1-611-70	
	2 - 56 mm	600	DX2-611-70		
	3 - 71 mm	1100	DX3-611-70		
	5/3 Pressurised Center	1 - 43 mm	350	DX1-613-70	
		2 - 56 mm	600	DX2-613-70	








Isomax - ISO 5599-1 - Sizes 1, 2 & 3

Valve alone without operator

Without direct valve spool manual override


Symbol	Description	Size	Weight (g)	Order code	
		5/2 Air pilot - Spring return	1 - 43 mm	350	DX1-621-60
		2 - 56 mm	600	DX2-621-60	
		3 - 71 mm	1100	DX3-621-60	
		5/2 Air pilot - Differential	1 - 43 mm	350	DX1-621-60
		2 - 56 mm	600	DX2-621-60	
		3 - 71 mm	1100	DX3-621-60	
		5/2 Double air pilot	1 - 43 mm	350	DX1-606-60
		2 - 56 mm	600	DX2-606-60	
		3 - 71 mm	1100	DX3-606-60	
	5/3 Closed Center (APB)	1 - 43 mm	350	DX1-616-60	
	2 - 56 mm	600	DX2-616-60		
	3 - 71 mm	1100	DX3-616-60		
	5/3 Vented Center	1 - 43 mm	350	DX1-611-60	
	2 - 56 mm	600	DX2-611-60		
	3 - 71 mm	1100	DX3-611-60		
	5/3 Pressurised Center	1 - 43 mm	350	DX1-613-60	
		2 - 56 mm	600	DX2-613-60	

15 mm DIN Form C (8mm spacing) pilot solenoid valve - Standard version

	Manual Overrides			Flush (Not Extended)		Extended		
	Voltage	W (g)	Without Manual Override Order code	Blue Override, non locking Order code	Yellow Override, Locking Order code	Blue Override, non locking Order code	Yellow Override, Locking Order code	
 <p>Pins/Air Opposite (Pins UP)</p>	12 Vdc	38	 P2E-KV32B0	P2E-KV32B1	P2E-KV32B2	P2E-KV32B3	P2E-KV32B4	
	24 Vdc	38	 P2E-KV32C0	P2E-KV32C1	P2E-KV32C2	P2E-KV32C3	P2E-KV32C4	
	48 Vdc	38	 P2E-KV32D0	P2E-KV32D1	P2E-KV32D2	P2E-KV32D3	P2E-KV32D4	
	24 Vac 50Hz	38	 P2E-KV31C0	P2E-KV31C1	P2E-KV31C2	P2E-KV31C3	P2E-KV31C4	
	48 Vac 50/60Hz	38	 P2E-KV34D0	P2E-KV34D1	P2E-KV34D2	P2E-KV34D3	P2E-KV34D4	
	115 Vac 50Hz	38	 P2E-KV31F0	P2E-KV31F1	P2E-KV31F2	P2E-KV31F3	P2E-KV31F4	
	120 Vac 60 Hz							
	230 Vac 50Hz							
	240 Vac 60 Hz			P2E-KV31J0	P2E-KV31J1	P2E-KV31J2	P2E-KV31J3	P2E-KV31J4







Mounting screws included with the DX valve body

15mm DIN Form C (8mm spacing) pilot solenoid valve - Mobile version

	Voltage	W (g)	Without Manual Override	Not Extended Blue Override non locking flush
			Order code	Order code
	12 Vdc	38	P2E-MV35B0	P2E-MV35B1
	24 Vdc	38	P2E-MV35C0	P2E-MV35C1
	37,5 Vdc	38	P2E-MV35W0	P2E-MV35W1
	48 Vdc	38	P2E-MV35D0	P2E-MV35D1
	72 Vdc	38	P2E-MV35T0	P2E-MV35T1
	78 Vdc	38	P2E-MV35Y0	P2E-MV35Y1
	96 Vdc	38	P2E-MV35V0	P2E-MV35V1
	110 Vdc	38	P2E-MV35E0	P2E-MV35E1



Mounting screws included with the DX valve body

15mm DIN Form C (8mm spacing) pilot solenoid valve - Food Industry version

	Voltage	W (g)	Without Manual Override	Not Extended		Extended	
			Order code	Blue Override non locking flush Order code	Yellow Override Locking flush Order code	Blue Override non locking flush Order code	Yellow Override Locking flush Order code
	24 Vdc	38	 P2E-QV32C0	P2E-QV32C1	P2E-QV32C2	P2E-QV32C3	P2E-QV32C4
	48 Vdc	38	 P2E-QV32D0	P2E-QV32D1	P2E-QV32D2		
	24 Vac 50 Hz	38	 P2E-QV31C0	P2E-QV31C1	P2E-QV31C2	P2E-QV31C3	P2E-QV31C4
	48 Vac 50/60Hz	38	 P2E-QV34D0	P2E-QV34D1	P2E-QV34D2		
	115 Vac 50Hz/120 Vac 60Hz	38	 P2E-QV31F0	P2E-QV31F1	P2E-QV31F2	P2E-QV31F3	P2E-QV31F4
	230 Vac 50Hz	38	P2E-QV31J0	P2E-QV31J1	P2E-QV31J2	P2E-QV31J3	P2E-QV31J4
	240 Vac 60Hz/						




Mounting screws included with the DX valve body

Solenoid Connectors 15 mm DIN Form C / ISO15217


Description	Characteristic	Visualisation	Cable length	W (g)	Order code	
 <p>With large headed screw suitable for mounting in inaccessible or recess position</p>	Standard IP65	No LED	No cable	20	P8C-C	
		24 Vdc LED	No cable	20	P8C-C26C	
		110 Vac LED	No cable	20	P8C-C21E	
 <p>With standard screw</p>	Standard IP65	No LED	No cable	15	P8C-D	
			No cable	2 meters	115	P8L-C2
			No cable	5 meters	240	P8L-C5
		24 Vdc/Vac LED	No cable	15	P8C-D26C	
			2 meters	170	P8L-C226C	
			5 meters	240	P8L-C526C	
			10 meters	440	P8L-CA26C	
		110 Vac LED	No cable	115	P8C-D21E	
			2 meters	115	P8L-C221E	
			5 meters	230	P8L-C521E	

In accordance with the EU Machine Directive, EN 983, solenoid valves with manual override should have spring-return operating arms for safety.


3/2 N.C. CNOMO Operator - Without Coil

Description	Manual override	W (g)	Order code
 Solenoid operator for 30 x 30 DIN Form A Coil Dedicated to Low Power 2,5W / 3VA Coil	No manual override	65	P2FP23N4A
	Pulse non locking	65	P2FP23N4B
	Locking	65	P2FP23N4C
 Solenoid operator for 30 x 30 DIN Form A Coil Dedicated to High Power 4,5W / 5VA Coil	No manual override	65	EV3000100
	Pulse non locking	65	EV3001100
	Locking	65	EV3003100
 Solenoid operator for 22 x 30 DIN Form B Coil Dedicated to Low Power 2,5W / 4,5VA Coil	No manual override	65	1EV0*310
	Pulse non locking	65	1EV1*310
	Locking	65	1EV3*310



30 x 30 DIN Form A and 22 x 30 DIN Form B Coils for CNOMO Operator

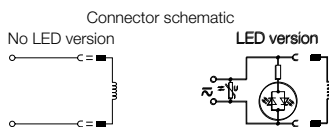
Voltage	W (g)	30 x 30 DIN Form A		22 x 30 DIN Form B	
		Low Power (to be used with P2FP23N4x) Order code	High Power (to be used with EV300x100) Order code	Low Power (to be used with 1EVx*310) Order code	Order code
	12 Vdc	105	P2FCA445	P2FCA545	93 P2FCB345
	24 Vdc	105	P2FCA449	P2FCA549	93 P2FCB349
	48 Vdc	105	P2FCA451	P2FCA551	93 P2FCB351
	12 Vac 50/60 Hz	105	P2FCA440	P2FCA540	93 P2FCB340
	24 Vac 50/60 Hz	105	P2FCA445	P2FCA545	93 P2FCB345
	48 Vac 50/60 Hz	105	P2FCA449	P2FCA549	93 P2FCB349
	110 Vac 50 Hz / 120 Vac 60 Hz	105	P2FCA453	P2FCA553	93 P2FCB353
	230 Vac 50 Hz / 240 Vac 60 Hz	105	P2FCA457	P2FCA557	93 P2FCB357

Spare Solenoid Nuts

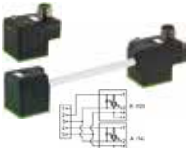
Description	Usage	W (g)	Order code
	Plastic knurled nut	For valve requiring Captured exhaust	5 P2FNPA
	Diffuser plastic nut	For valve requiring Vented exhaust	5 P2FNDA

30 x 30 DIN Form A and 22 x 30 DIN Form B Solenoid Connectors

Description	Characteristic	Visualisation	Cable length	W (g)	Order code
 30 x 30 DIN Form A connector With standard screw	Standard IP65	No LED	No cable	15	3EV290V10
		24 Vdc/Vac LED	No cable	30	3EV290V20-24
			5 meters	355	3EV290V20-24L5
		110 Vac LED	No cable	30	3EV290V20-110
			5 meters	470	3EV290V20-110L5
		230 Vac LED	No cable	30	3EV290V20-230
5 meters	350		3EV290V20-230L5		
 22 x 30 DIN Form B connector With standard screw	Standard IP65	No LED	No cable	15	3EV10V10
		24 Vdc/Vac LED	No cable	20	3EV10V20-24
			5 meters	350	3EV10V20-24L5
		110 Vac LED	No cable	25	3EV10V20-110
			5 meters	355	3EV10V20-110L5
		230 Vac LED	No cable	25	3EV10V20-230
5 meters	360		3EV10V20-230L5		



M12 Adaptor for 30 x 30 DIN Form A Coil

Description	Characteristics	Visualisation	Cable	W (g)	Order code
 M12 Connector for one coil	24 V AC/DC - 4A	LED	No cable	30	P8C-A626C
			M12 Connector for two coils	24 V AC/DC - 4A	LED

Note: Solenoid pilot operators are fitted to the ISO valve range.
 Order the above part numbers for spares.
 The operators are supplied with mounting screws and interface 'O' rings.
Coils and connectors must be ordered separately.