



General characteristics :

Standard subbase :	ISO 15407-1 and VDMA 24563
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) :	DX01 = 1050 Nl/mn - DX02 = 720 Nl/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 :	Pneumatically or electrically 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

Order key

Size

02 18 mm (ISO 15407)

01 26 mm (ISO 15407)

Pilot

4 Pneumatic

6 Electro-pneumatic

Manual override

0 Without any

1 Flush non locking

3 Flush locking

2 Flush non locking (extended 15 mm)

5 Flush locking (extended, 15 mm)

Voltage

B 12 V AC

C 24 V AC

D 48 V AC

J 110 V AC

A 230 V AC

L 12 V DC

M 24 V DC

N 48 V DC

Connector

Without any

C Standard connector

S Connector with LED and protection

S3 Connector with LED and protection - 3 m cable

S5 Connector with LED and protection - 5 m cable

DX

01

—

6

21

—

95

1

M

S

Function

	pneumatic or electro-pneu	electro-pneumatic		pneumatic and electro-pneu	
	int. supply	ext. supply	int. supply 12 ext. supply 14	ext. supply 12 int. supply 14	solenoid on 12
	captured pilot exhaust	vented pilot exhaust	vented pilot exhaust	captured pilot exhaust	vented pilot exhaust
5/2 bistable	06	08	07	05	31
5/2 bistable, 14 prioritised	56	58	57	59	
5/2 monostable, spring return	21	22		23	
5/2 monostable, differential return	51	53	52	54	
5/3 pressure vented centre	11	12	10	09	
5/3 pressure closed centre	16	18	17	19	

Electrical operator

60 Without any

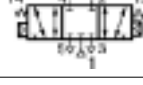
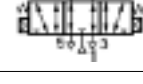
95 15 mm solenoid 1,2 W DIN 43650 form C

= product available on special request

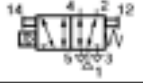
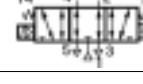
Order codes

Symbol	Function	ISO 15407-1 Size	Order code	Weight kg
--------	----------	---------------------	------------	--------------

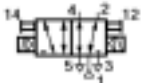
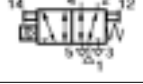
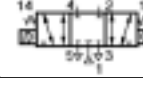
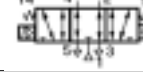
Pneumatically actuated valves

	5/2 Bistable	02	DX02-406-60	0,09
		01	DX01-406-60	0,13
	5/2 Monostable differential	02	DX02-451-60	0,09
		01	DX01-451-60	0,13
	5/2 Monostable Spring	02	DX02-421-60	0,09
		01	DX01-421-60	0,13
	5/3 closed centre	02	DX02-416-60	0,09
		01	DX01-416-60	0,13
	5/3 vented centre	02	DX02-411-60	0,09
		01	DX01-411-60	0,13

Electrically actuated valves supplied without solenoid - refer to page 8 to select P2E..... solenoid ;

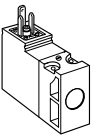
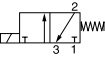
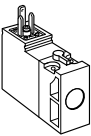
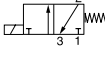
	5/2 Bistable	02	DX02-606-60	0,09
		01	DX01-606-60	0,13
	5/2 Monostable differential	02	DX02-651-60	0,09
		01	DX01-651-60	0,13
	5/2 Monostable Spring	02	DX02-621-60	0,09
		01	DX01-621-60	0,13
	5/3 closed centre	02	DX02-616-60	0,09
		01	DX01-616-60	0,13
	5/3 vented centre	02	DX02-611-60	0,09
		01	DX01-611-60	0,13

Electrically actuated valves supplied with solenoid 24 V DC - For other voltage or manual override type refer to ordering key page 6

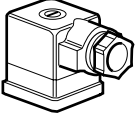
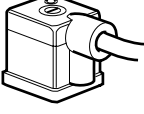
	5/2 Bistable	02	DX02-606-951M*	0,17
		01	DX01-606-951M*	0,21
	5/2 Monostable differential	02	DX02-651-951M*	0,13
		01	DX01-651-951M*	0,17
	5/2 Monostable Spring	02	DX02-621-951M*	0,13
		01	DX01-621-951M*	0,17
	5/3 closed centre	02	DX02-616-951M*	0,17
		01	DX01-616-951M*	0,21
	5/3 vented centre	02	DX02-611-951M*	0,17
		01	DX01-611-951M*	0,21

* With non-locking manual override; to obtain the same valve with locking manual override, replace 951M by 953M in the order code.

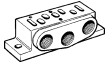
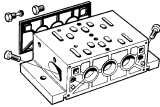
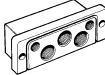
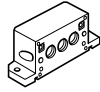
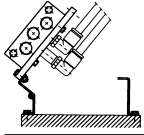
Solenoids 15 mm NC, standard

	Voltage	Weight kg	Order code Without manual override	Weight kg	Order code Override, blue, non locking flush	Weight kg	Order code Override, yellow locking flush
 	12 V DC	0,038	P2E-KV32B0 	0,038	P2E-KV32B1 	0,038	P2E-KV32B2 
	24 V DC	0,038	P2E-KV32C0 	0,038	P2E-KV32C1 	0,038	P2E-KV32C2 
	48 V DC	0,038	P2E-KV32D0 	0,038	P2E-KV32D1 	0,038	P2E-KV32D2 
	24 V AC 50Hz	0,038	P2E-KV31C0 	0,038	P2E-KV31C1 	0,038	P2E-KV31C2 
	48 V AC 50/60Hz	0,038	P2E-KV34D0	0,038	P2E-KV34D1 	0,038	P2E-KV34D2 
	115 V AC 50Hz/ 120 V AC 60Hz	0,038	P2E-KV31F0	0,038	P2E-KV31F1 	0,038	P2E-KV31F2 
	230 V AC 50Hz/ 240 V AC 60Hz	0,038	P2E-KV31J0	0,038	P2E-KV31J1 	0,038	P2E-KV31J2 
 	Voltage			Weight kg	Order code Override extended, blue, non locking	Weight kg	Order code Override extended, yellow, locking
	24 V DC			0,038	P2E-KV32C3 	0,038	P2E-KV32C4 
	24 V AC 50Hz			0,038	P2E-KV31C3 	0,038	P2E-KV31C4 

Cable plugs DIN 43650, form C

	Description	Weight kg	Order code
With standard screw 	Standard IP 65	0,02	P8C-D
	24 V DC VDR + LED IP65	0,02	P8C-D26C
	110 V AC VDR + LED IP65	0,02	P8C-D21E
With cable 	Standard with 2 m cable - IP65	0,13	P8L-C2
	Standard with 5 m cable - IP65	0,30	P8L-C5
	24 V AC/DC, 2 m cable VDR + LED IP65	0,13	P8L-C226C
	24 V AC/DC, 5 m cable VDR + LED IP65	0,30	P8L-C526C
	24 V AC/DC, 10 m cable VDR + LED IP65	0,58	P8L-CA26C
	110 V AC/DC, 2 m cable VDR + LED IP65	0,13	P8L-C221E
	110 V AC/DC, 5 m cable VDR + LED IP65	0,30	P8L-C521E

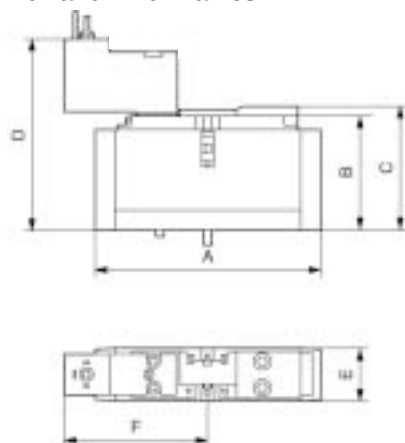
Bases and manifolds

	Description	Order code	Weight kg	Port size
	Subbase with side ports			
	Size 02	PL02-01-70	0,07	G1/8
	Size 01	P2V-BS512SS	0,12	G1/4
	Subbase with bottom ports			
	Size 01	P2V-BS511SB	0,07	G1/8
	Manifold with 2 valve positions with side ports			
	Size 02	PJLP02-201-70*	0,14	G1/8
	Size 01	PJL01-201-70	0,73	G1/8
	Size 01	PJL01-202-70	0,73	G1/4
	End plate kit for side ported manifold with 2 valve positions			
	Size 02	PEJ02-02-70	0,15	G1/4
	Size 01	PEJ01-03-70	0,52	G3/8
	Intermediate supply block (to fit in place of a valve on manifold)			
	Size 02	D02P-01-70	0,08	G1/8
	Size 01	D01P-02-70	0,10	G1/4
	Set of blanking cap (fit between 2 manifolds PJL)			
	Size 02	D02BD0	0,01	
	Size 01	D01BD0	0,02	
	Bottom ported manifold with 2 valves positions			
	Size 02	P2V-AM511PB	0,20	G1/8
	Size 01	P2V-BM512PB	0,40	G1/4
 	G side end plate bottom ported for above ported manifold			
	Size 02 (G side)	P2V-AM512GB	0,18	G1/4
	Size 01 (G side)	P2V-BM513GB	0,22	G3/8
 	H side end plate bottom ported for above ported manifold			
	Size 02 (H side)	P2V-AM512HB	0,18	G1/4
	Size 01 (H side)	P2V-BM513HB	0,22	G3/8
	Transfer plate for manifold 2 valves positions with bottom ports size 01 to size 02			
	Size 01 → 02	P2V-AM500BE	0,33	
 	Set of blanking caps (fit between 2 manifolds P2V-*M)			
	Size 02	P2V-AK0P	0,01	
	Size 01	P2V-BK0P	0,01	
	Angle mounting set for manifold 2 valve positions with bottom ports (P2V-*M)			
	Size 01 or 02	P2V-AK0M	0,14	
	Blanking plate (for one valve position)			
	Size 02	DX02BLK	0,04	
	Size 01	DX01BLK	0,05	

* Note : manifold PJLP-02-201-70 does not include individual connection ports 12 and 14 ; for pneumatic actuated valves, you need to mount air pilot connectors (reference PVA-P111) in place of the solenoids directly on the valve to give air pilot function.

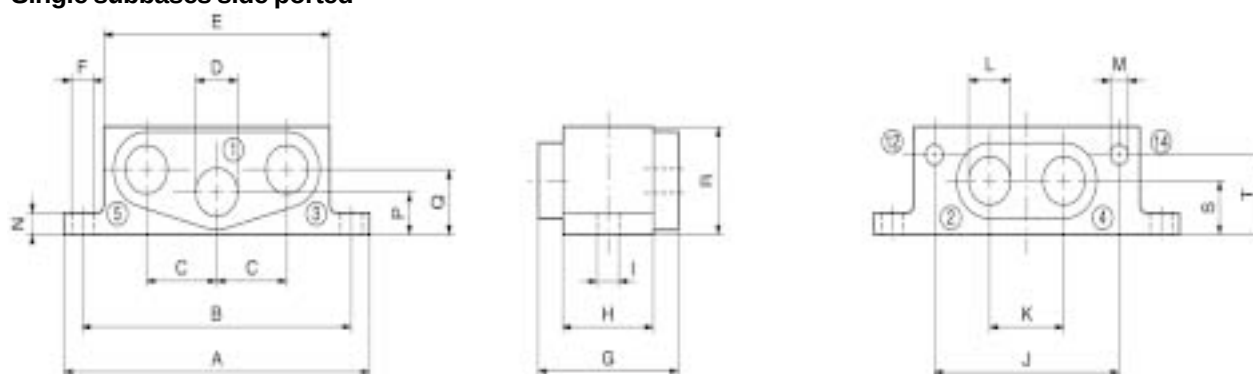
Dimensions

DX01 and DX02 valves



	A	B	C	D	E	F
DX02	80	41	44,5	67,8	18	51,2
DX01	100	42	45,5	68,8	26	51,2

Single subbases side ported

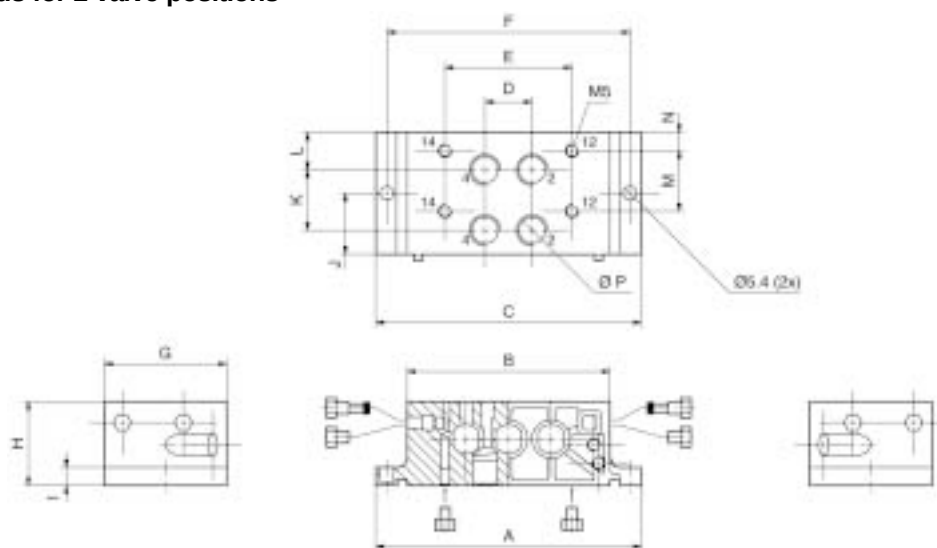


	Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T
PL02-01-70	02	80	70	16	G1/8	52	8	27	19	5,5	40	17	G1/8	M5	8	8	8	22	13	6
P2V-BS512SS	01	92	80	21,2	G1/8	68	6,5	42	27	5,5	55	22	G1/8	M5	6	11	17	28	14	21

Side ported manifolds for 2 valve positions

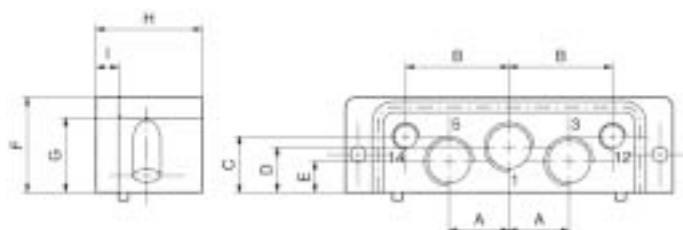
	Size	A	B	C	D	E	F	G	H
PJLP02-201-70	02	38,5	80	12	Ø 4,2	38	14	18	72
PJL01-201-70	01	55	100	24	Ø 5,5	54	17	22	90
PJL01-202-70									

Bottom ported manifolds for 2 valve positions



	Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P
P2V-AM511PB	02	102	74	74,6	16	43	92	38	26	7	19	19	11	19	5	G1/8
P2V-BM512PB	01	118	90	90,6	21	56,5	108	54	37	8	27	27	16,5	27	8	G1/4

G and H side end plate bottom ported for above bottom ported manifold



	Size	Port size 1,2,3	Port size 12, 14	A	B	C	D	E	F	G	H	I
P2V-AM512GB and P2V-AM512HB	02	G1/4	G1/8	17	29	21	18,5	9,5	35,5	28	33	7
P2V-BM513GB and P2V-BM513HB	01	G3/8	G1/8	21,5	37	20	16	11	34,5	28	38	8

Transfer plate size 01 to size 02 for above bottom ported manifold

