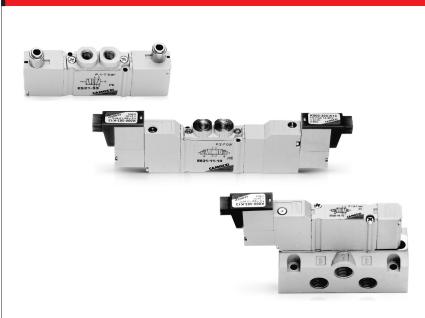
Series E valves and solenoid valves

5/2-way monostable/bistable - 5/3 CC CO CP With outlets on the body - For individual or manifold assembly Size 10,5 mm



Series E valves have been designed to allow high flows with small overall dimensions. These valves are manufactured in three different sizes and are suitable for individual use or for mounting on manifolds. The manifolds allow a common inlet as well as the two exhausts and the pilot exhaust in common.

Construction	spool-type
Valve functions	5/2, 5/3 CC CO CP
Materials	zamak body, aluminium spool and sub-bases; technopolymer end-covers, joints NBR
Ports	valve = M5; manifold = M5 - tube Ø4; sub-base = G1/8
Temperature	0°C min + 50°C max
Fluid	filtered air (5 µm or lower), without lubricant; if lubricated air is used, it is recommended to use ISOVG32 oil. Once applied the lubrication should never be interrupted.
Solenoid voltage	see coding
Voltage tolerance	± 10%
Power consumption	1W
Class of insulation	class F
Protection class	IP50

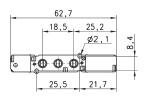


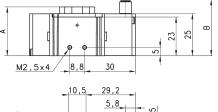
COL	DING EXAMPLE
E	5 2 1 - 11 - 10 - K 1 3
Е	SERIES
5	FUNCTION: 5 = 5/2 6 = 5/3 Centres Closed 7 = 5/3 Centres Open 8 = 5/3 Centres in Pressure
2	SIZE: 2 = 10,5 mm
1	BODY TYPE: 1 = body with threaded plate
11	ACTUATION: 11 = electro-pneumatic, bistable 16 = electro-pneumatic, monostable 33 = pneumatic bistable - tube 3 36 = pneumatic monostable - tube 4 C33 = pneumatic monostable - tube 4 C36 = pneumatic monostable - tube 4
10	INTERFACE: 10
Κ	TYPE OF SOLENOID: K
1	SOLENOID DIMENSION: 1 = 10x10
3	SOLENOID VOLTAGE: 1 = 6V DC 2 = 12V DC 3 = 24V DC

Pneumatically actuated valve, monostable - size 10,5

5/2-way

Note: the pilot pressure should never be lower than the operating pressure.









DIMENSIONS	S							
Mod.	А	В	С	Ports 1-3-5	Ports 2-4	min. pil P. (bar)	working P. (bar)	Flow rate (NI/min)
E521-36	29	33,4	Ø 3	M5	M5	2,5	2,5 ÷ 7	200
E521-C36	29	39,1	Ø 4	M5	M5	2,5	2,5 ÷ 7	200

CONTROL

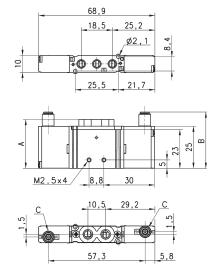
5/2-way

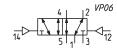




CATALOGUE > Release 8.7

Flow rate (NI/min) 200 200



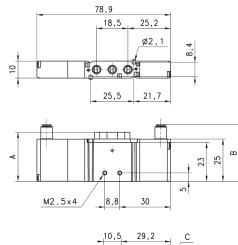


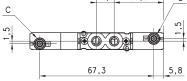
DIMENSION	NS							
Mod.	A	В	С	Ports 1-3-5	Ports 2-4	min. pil P. (bar)	working P. (bar)	
E521-33	29	33,4	Ø 3	M5	M5	1	-09 ÷ 7	
E521-C33	29	39,1	Ø 4	M5	M5	1	-09 ÷ 7	

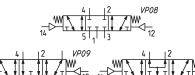


Pneumatically actuated valve - size 10,5

5/3-way CC = Centres closed CO = Centres open CP = Pressure centres







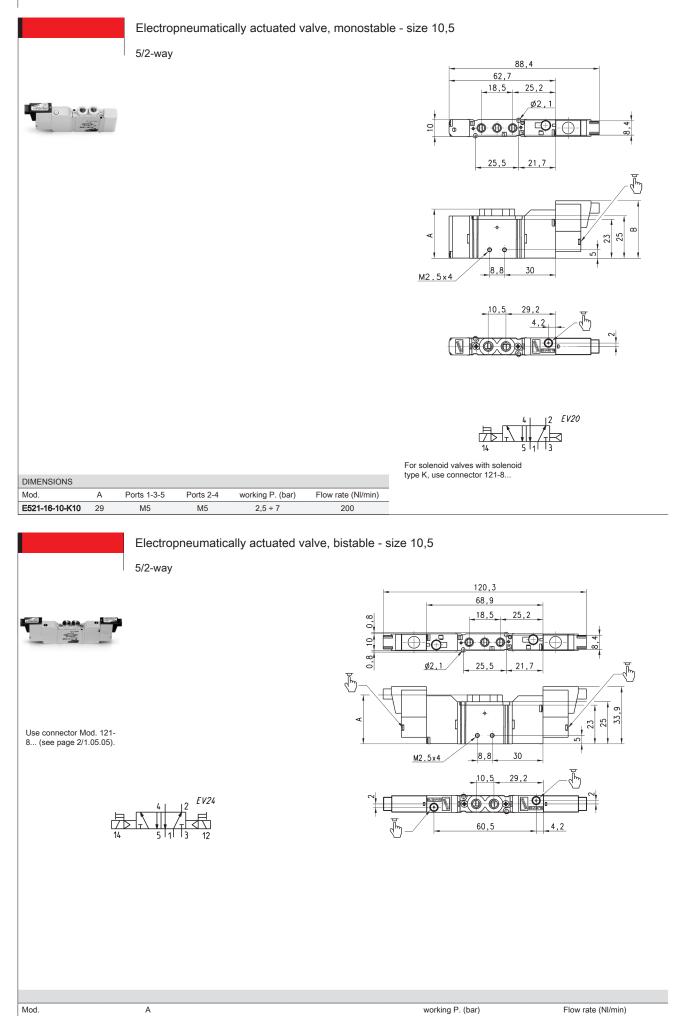
	4	12	VP09		4	12	VP10
W	† †	11		, WI		,_t t	
14	5	-	12		5		12
	J . 1.				J 1		

DIMENSIC	NS								
Mod.	А	В	С	Ports 1-3-5	Ports 2-4	min. pil P. (ba	r) working P. (bar) Fl	ow rate NL/m	nin Symbol
E621-33	29	33,4	ØЗ	M5	M5	1	-0,9 ÷ 7	200	VP08
E621-C33	29	39,1	Ø 4	M5	M5	1	-0,9 ÷ 7	200	VP08
E721-33	29	33,4	ØЗ	M5	M5	1	-0,9 ÷ 7	200	VP09
E721-C33	29	39,1	Ø 4	M5	M5	1	-0,9 ÷ 7	200	VP09
E821-33	29	33,4	Ø3	M5	M5	1	-0,9 ÷ 7	200	VP10
E821-C33	29	39,1	Ø 4	M5	M5	1	-0,9 ÷ 7	200	VP10





CONTROL



Products	designed	for	industrial	applications.	

E521-11-10-K10

29

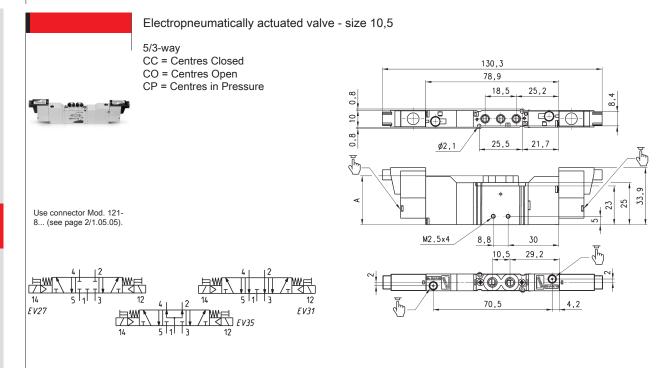
M5

M5

1 ÷ 7

200

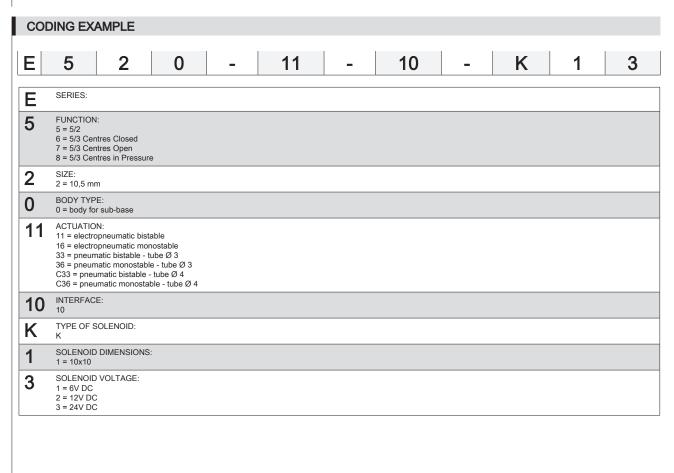


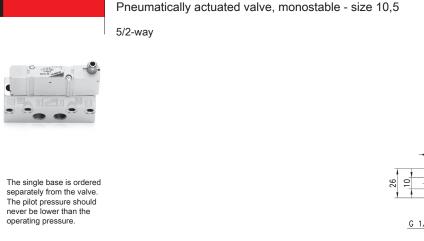


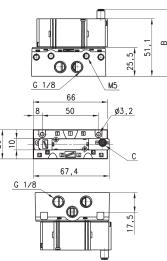
Mod.	A	Ports 1-3-5	Ports 2-4	working P. (bar)	Flow rate (NI/min)	Symbol
E621-11-10-K10	29	M5	M5	2 ÷ 7	200	EV27
E721-11-10-K10	29	M5	M5	2 ÷ 7	200	EV31
E821-11-10-k10	29	M5	M5	2 ÷ 7	200	EV35



CONTROL







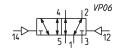
DIMENSIONS					
Mod.	В	С	min. pil P. (bar)	working P. bar	Flow rate (NI/min)
E520-36	59,5	Ø3	2,5	2,5 ÷ 7	280
E520-C36	65,2	Ø4	2,5	2,5 ÷ 7	280

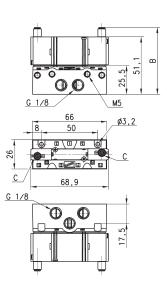


Pneumatically actuated valve, bistable - size 10,5

5/2-way









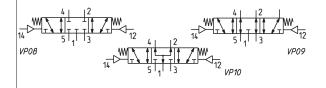
DIMENSIONS					
Mod.	В	С	min. pil P. (bar)	working P. (bar)	Flow rate (NI/min)
E520-33	59,5	Ø3	1	-0,9 ÷ 7	280
E520-C33	65,2	Ø4	1	-0,9 ÷ 7	280

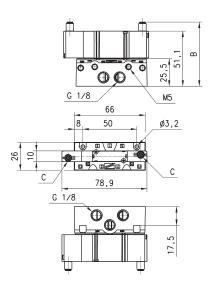


Pneumatically actuated valve - size 10,5

5/3-way CC = Centres Closed CO = Centres Open CP = Centres in Pressure

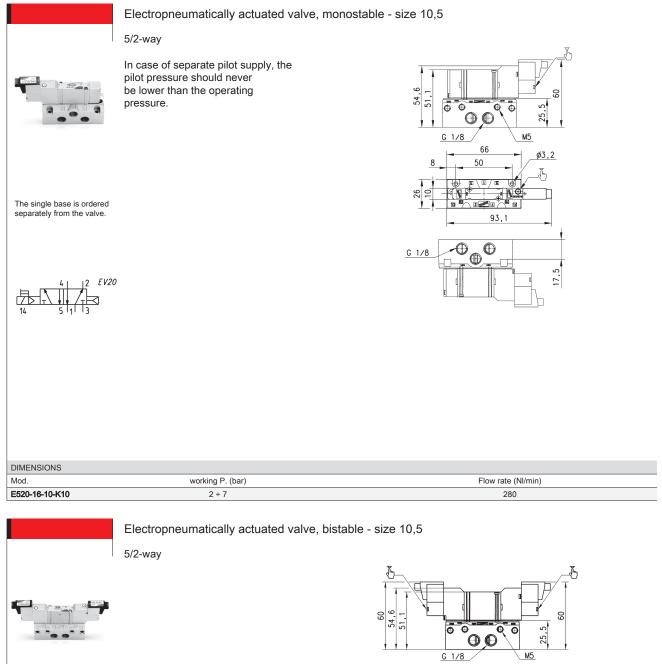
The single base is ordered separately from the valve.



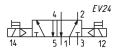


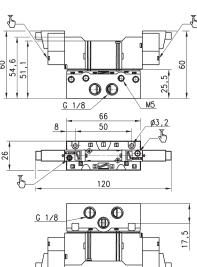
DIMENSIONS						
Mod.	В	С	min. pil P. (bar)	working P. (bar)	Flow rate (NI/min)	Symbol
E620-33	59,5	Ø3	2	-0,9 ÷ 7	280	VP08
E620-C33	65,5	Ø4	2	-0,9 ÷ 7	280	VP08
E720-33	59,5	Ø3	2	-0,9 ÷ 7	280	VP09
E720-C33	65,5	Ø4	2	-0,9 ÷ 7	280	VP09
E820-33	59,5	Ø3	2	-0;9 ÷ 7	280	VP10
E820-C33	65,5	Ø4	2	-0,9 ÷ 7	280	VP10





The single base is ordered separately from the valve.





Mod.	working P. bar	Flow rate NI/min
E520-11-10-K10	2 ÷ 7	280

Products designed for industrial applications. General terms and conditions for sale are available on www.camozzi.com. CONTROL



Electropneumatically actuated valve - size 10,5 5/3-way CC = Centres Closed CO = Centres Open Ъ P CP = Centres in Pressure 1000 60 60 4 25,5 ō 0 Q 0 \mathbf{O} G 1/8 М5 66 ø3,2 8 50 -6 b (E) / NO The single base is ordered separately from the valve 26 10 0 63 12 130 Ъ 00 G 1/8 17,5 14 *EV27* 12 EV31 ₽₩ 13 14 Σ 12 *Εν35* ₽₩ $\left(- \right)$ 13

Mod.	working P. bar	Flow rate NI/min	Symbol
E620-11-10-K10	2 ÷ 7	280	EV27
E720-11-10-K10	2 ÷ 7	280	EV31
E820-11-10-K10	2 ÷ 7	280	EV35

2

CONTROL

Torque for securing screws on manifolds and single sub-base

Mod.	Size (mm)	Torque (Nm)
E52	10,5	0,3 ÷ 0,35

COD	ING EXAMPLE					
E5	2	1	-	1	0	02
E5	SERIES			 		
2	SIZE: 2 = size 10,5					
1	BODY TYPE: 0 = body for sub-base assem 1 = body with threads or tube					
1	TYPE OF SUB-BASE: 0 = single sub-base with side 1 = manifold for threaded valv 2 = manifold for body mounte	ve				
0	PORTS: 0 = for valves with outlets on 1 = threaded C = tube 4	the body				
02	N° OF POSITIONS: 01 = single 03, 04, 06, 08, 10, 12 = multip	ple				

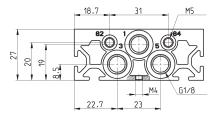
NOTE: When constructing manifolds with 10 or more stations, it is recommended, in order to reduce the risk of pressure drop within the assembly, that pressure is supplied to port 1 at each end of the block. The exhaust ports 3 and 5 at each end should also be utilized (size 10,5 and 16 mm). The same provision should be made for 5 station manifolds of the 19 mm valves. Manifolds complete with ports for external pilot supply are available on request.

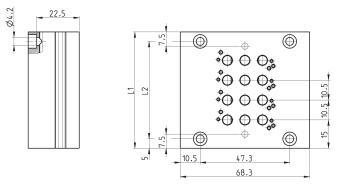
Manifolds for valves with outlets on the body Size 10,5



common inlet and exhausts 3 and 5 (size G1). There are also common exhausts for pilots 82 and 84 (size G2). Manifolds with G3 ports are also supplied on request for external pilot supply.

The manifolds have been manufactured with





Note: the manifolds are supplied complete with the seals and the valves, fixing screws.

DIMENSIONS

E521-10	10.5	L2	30.5	41	51.5	62	72.5	83	93.5	104	114.5	125	135.5
E521-10	10.5	L1	40.5	51	61.5	72	82.5	93	103.5	114	124.5	135	145.5
Mod.	Size	Nr positions	02	03	04	05	06	07	08	09	10	11	12
DIMENSIONS													



Note: The vits single su available o	ub-base a	re							<u>61</u>					T				<u>62</u>			
DIMENSION																					
Mod.	Size	G1	G2	G3	A	B 66	C 8	D 50	E 4	F 15	G 37,3	H 57,3	L 8,2	M	N 18	P 24,5	R 8,2	S 17,2	T 32	U 17,5	V 25,5
E520-0101	10,5	G1/8	M5	M5	26																

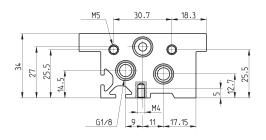
Single sub-base for base mounted valves - size 10,5

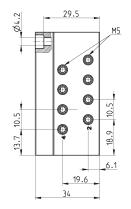
Manifolds for base mounted valves size 10,5

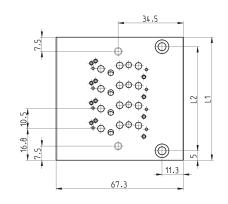


common inlet 1 and exhaust 3 and 5 (see size G2). There are also common exhausts for pilots 82 and 84 (size G3). Manifolds with G4 ports are also supplied on request for external pilot supply.

The manifolds have been manufactured with



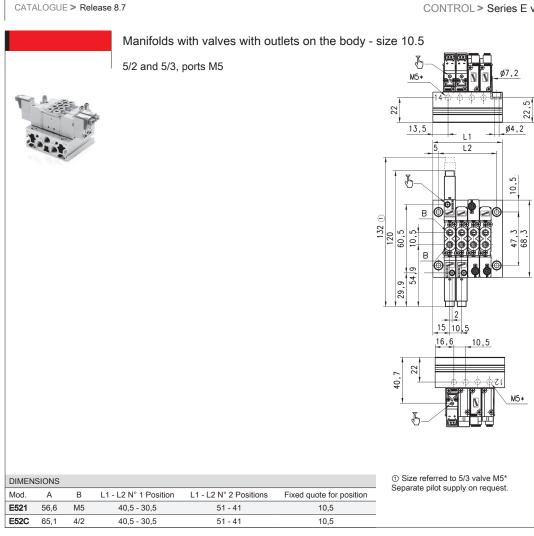


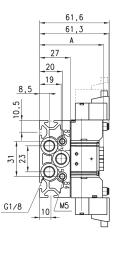


DIMENSIONS

Dimension													
Mod.	Size	Nr positions	02	03	04	05	06	07	08	09	10	11	12
E520-21	10.5	L1	44	54.5	65	75.5	86	96.5	107	117.5	128	138.5	149
E520-21	10.5	L2	34	44.5	55	65.5	76	86.5	97	107.5	118	128.5	139
E520-2C	10.5	L1	44	54.5	65	75.5	86	96.5	107	117.5	128	138.5	149
E520-2C	10.5	L2	34	44.5	55	65.5	76	86.5	97	107.5	118	128.5	139





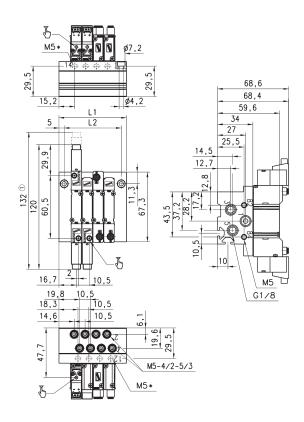


DIMEN	SIONS				
Mod.	А	В	L1 - L2 N° 1 Position	L1 - L2 N° 2 Positions	Fixed quote for posit
E521	56,6	M5	40,5 - 30,5	51 - 41	10,5
E52C	65,1	4/2	40,5 - 30,5	51 - 41	10,5



/anifolds	with	valves	for	subbase	- size	10 5
annous	VVILII	vaives	101	Subbase	- 3120	10.5

5/2 and 5/3



DIMENSIONS												
N° Positions	2	3	4	5	6	7	8	9	10	11	12	
L1	44	54,5	65	75,5	86	96,5	107	117,5	128	138,5	149	
L2	34	44,5	55	65,5	76	86,5	97	107,5	118	128,5	139	

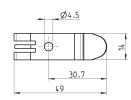
① Size referred to 5/3 valve M5* Separate pilot supply on . request.

2



Mounting brackets for DIN rail DIN EN 50022 (7,5mm x 35mm - width 1) Suitable for all manifolds. Supplied with: 2x plates 2x screws M4x6 UNI 5931





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Mod. PCF-E520

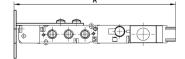
Horizontal mounting foot bracket for valves with outlets on the body

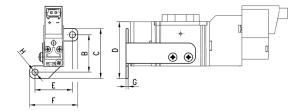
DIMENSIC	DNS								
Mod.	Size	А	В	С	D	E	F	G	Н
B1-E521	10,5	27	33,5	43,4	28,5	31,5	14,2	1,2	3,5



Vertical mounting foot bracket for valves with outlets on the body

The following is supplied: 1x foot bracket 2x screws Monostable valves only.

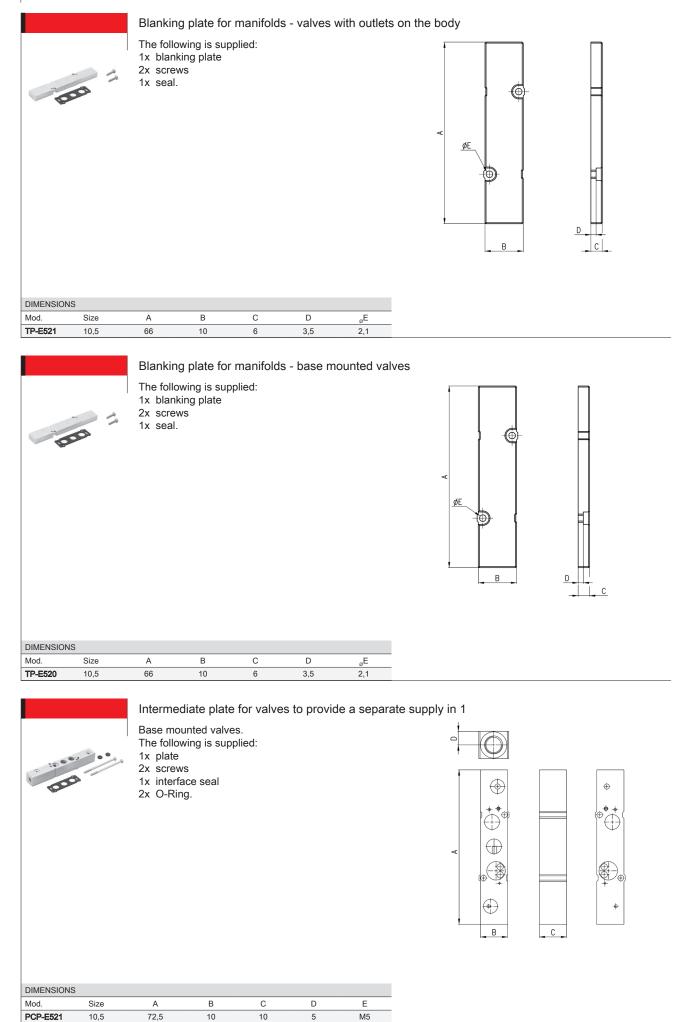




DIMENSIONS											
Mod.	Size	А	В	С	D	E	F	G	Н		
B2-E521	10,5	90,8	21	28	31,9	21	27	1,2	3.5		

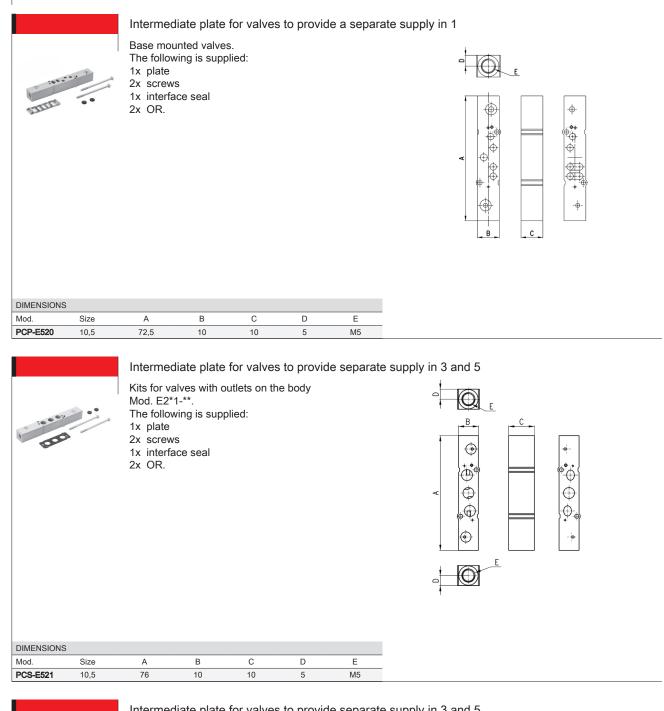


CONTROL





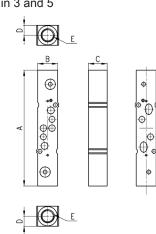
CONTROL





Intermediate plate for valves to provide separate supply in 3 and 5

Kits for valves mounted on sub-base Mod. E2*0-**. The following is supplied: 1x plate 2x screws 1x interface seal 2x OR.
2x OR.



DIMENSIONS									
Mod.	Size	А	В	С	D	E			
PCS-E520	10,5	76	10	10	5	M5			