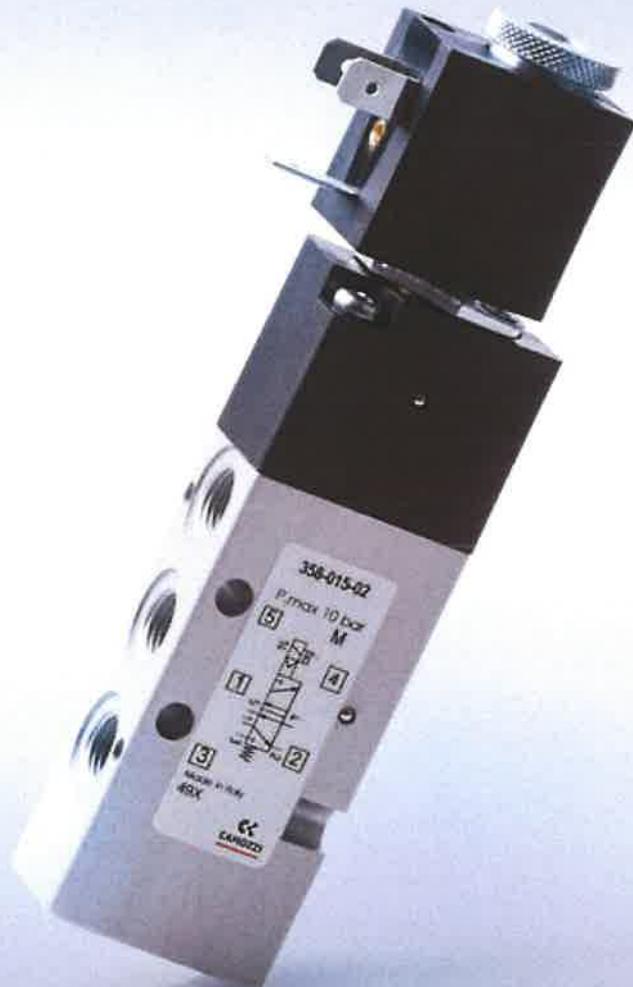


CATALOGUE



Automation

VALVES AND SOLENOID VALVES

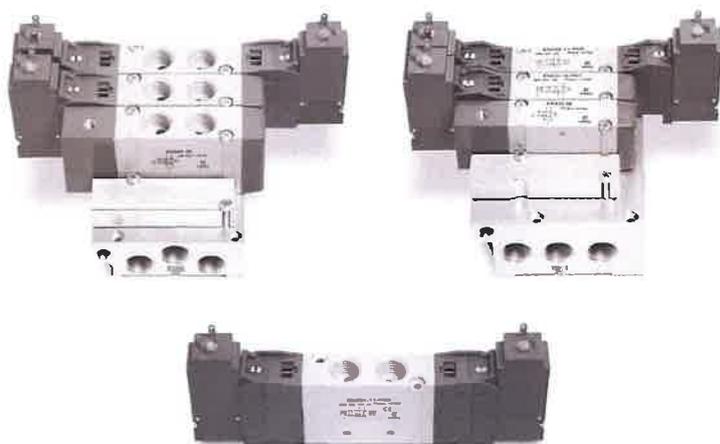


Series EN valves and solenoid valves

5/2-way - 5/3-way CC, CO, CP

With outlets on the body - For individual or manifold assembly

Size 16 - 19 mm



- » Mounting on any flat surface
- » Reduced dimensions
- » Aluminium body and end-covers in technopolymer
- » Space saving

Camozzi has developed a new series of valves to be used in applications requiring a reduced space of installation and in situations where the valves need to be located as near as possible to the operating elements. The single valves can be mounted on any flat surface, allowing compact machine design, which is also enhanced by the reduced dimensions of the valve itself.

Thanks to their robust aluminium bodies, the valves Series EN offer the highest reliability.

This new generation of solenoid valves is the evolution of the previous Series E, size 16 - 19 mm valve with ports threaded into the body. As this valve is completely interchangeable with Series E, part of the code is maintained though the valve has a completely new shape and new components.

GENERAL DATA

Construction	spool-type
Valve functions	5/2 - 5/3 CC - 5/3 CO - 5/3 CP
Materials	body, spool, bases = AL end-covers = technopolymer joints = NBR PU
Ports	G1/8 - G1/4
Temperature	0°C min. + 50°C max
Fluid	filtered air without lubricant. If lubricated air is used, it is recommended to use ISOVG32 oil and to never interrupt lubrication.
Voltage	see coding
Voltage tolerance	± 10%
Power consumption	2W, 1W
Class of insulation	class F
Protection class	IP65 with connector DIN 40050

CODING EXAMPLE

EN	5	3	1	-	11	-	PN3
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EN	SERIES
5	<p>FUNCTION:</p> <p>5 = 5/2 6 = 5/3 Centre Closed 7 = 5/3 Centre Open 8 = 5/3 Pressure Centre</p>
3	<p>SIZE:</p> <p>3 = size 16 5 = size 19</p>
1	<p>BODY TYPE:</p> <p>1 = body with threaded plate</p>
11	<p>ACTUATION:</p> <p>11 = electro-pneumatic, bistable 16 = electro-pneumatic, monostable 33 = pneumatic bistable 36 = pneumatic monostable E11 = electro-pneumatic, bistable with external servo-pilot supply E16 = electro-pneumatic, monostable with external servo-pilot supply</p>
PN3	<p>TYPE OF SOLENOID:</p> <p>PN3 = 24V DC - 1W PN4 = 48V DC - 2W PN6 = 110V DC - 2W PN7 = 230V - 2W P53 = 24V DC - 1W P54 = 48V DC - 2W P56 = 110V DC - 2W W53 = 24V DC - 2W W54 = 48V DC - 2W</p> <p>In case of applications with alternate current, use a bridge rectifier connector (see pag. 2/2.07.39)</p>

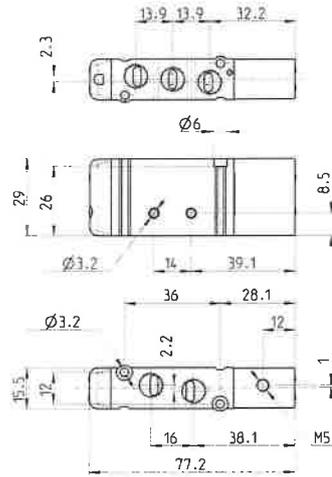
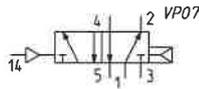
SERIES EN VALVES AND SOLENOID VALVES

Pneumatically actuated valve, monostable - size 16

5/2-way



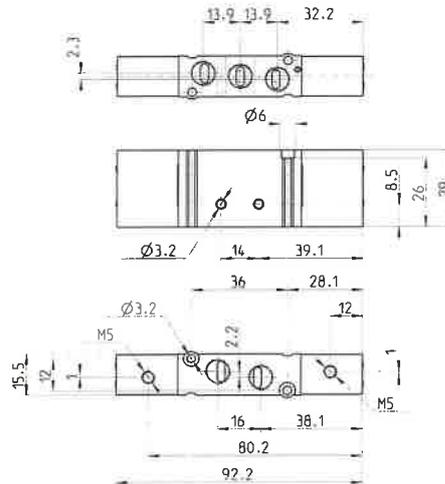
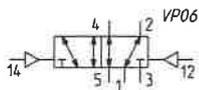
Note: the pilot pressure should never be lower than the operating pressure.



Mod.	Ports	Pilot supply	Pilot supply pressure (bar)	Operating pressure (bar)	Flow (NI/min)
EN531-36	G1/8	M5	2,5 + 10	-0.9 + 10	550

Pneumatically actuated valve, bistable - size 16

5/2-way



Mod.	Ports	Pilot supply	Pilot supply pressure (bar)	Operating pressure (bar)	Flow (NI/min)
EN531-33	G1/8	M5	2 + 10	-0.9 + 10	550

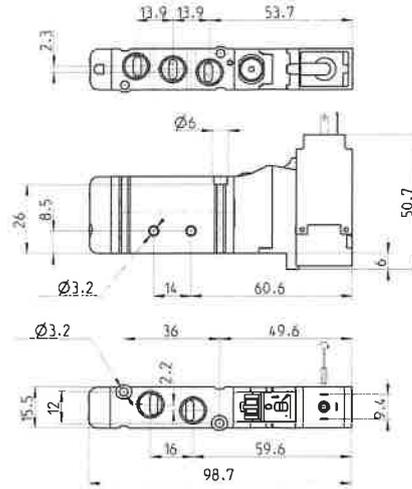
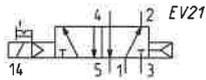
SERIES EN VALVES - PNEUMATIC SOLENOID VALVES

Electro-pneumatically actuated valve, monostable - size 16

5/2-way



Connectors at the end of this section



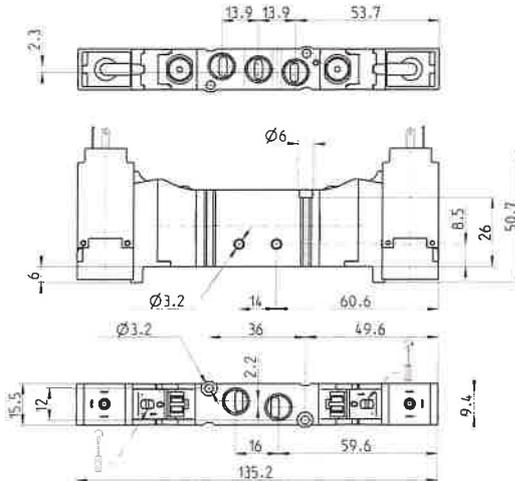
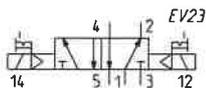
Mod.	Ports	Operating pressure (bar)	Flow (NI/min)
EN531-16-PN..	G1/8	2,5 + 10	550

Electro-pneumatically actuated valve, bistable - size 16

5/2-way



Connectors at the end of this section

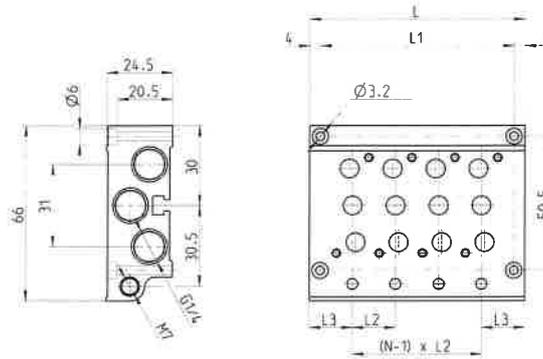


Mod.	Ports	Operating pressure (bar)	Flow (NI/min)
EN531-11-PN..	G1/8	2 + 10	550

Manifold for valves size 16 and 19 (outlets on the body valve)



SERIES EN VALVES AND SOLENOID VALVES



Mod.	Nr of valve positions	L	L1	L2	L3
EN531-1002	2	48	40	16	16
EN531-1003	3	64	56	16	16
EN531-1004	4	80	72	16	16
EN531-1005	5	96	88	16	16
EN531-1006	6	112	104	16	16
EN531-1008	8	144	136	16	16
EN531-1010	10	176	168	16	16
EN531-1012	12	208	200	16	16
EN551-1002	2	53	45	19	17
EN551-1003	3	72	64	19	17
EN551-1004	4	91	83	19	17
EN551-1005	5	110	102	19	17
EN551-1006	6	129	121	19	17
EN551-1008	8	167	159	19	17
EN551-1010	10	205	197	19	17
EN551-1012	12	243	235	19	17