

SERIES G-7 - VALVES AND SOLENOID VALVES 26 MM



26 mm G1/8 valves and solenoid valves

- G1/8 threaded body valves with UNIVER traditional spool system
- Versions available: 5/2 - 5/3
- Standard version with ports 2 and 4 on both sides
- Aluminum multiple sub-bases



Fluid	50 µm filtered air, with or without lubrication
Ambient temperature	-10 ÷ +45 °C
Fluid temperature	max +50°C
Commutation system	spool
Ways/Positions	5/2, 5/3
Pressure	max 10 bar
Control	indirect electro - pneumatic, pneumatic
Return	mechanical spring, pneumomechanical spring
Connections	G1/8
Nominal Ø	6 mm
Nominal flow rate	860 NI/min
Valve body	zamak
Seals	NBR
Actuators	technopolymer
Spool	aluminum
Electropilot	series AA
Coil	U1
Absorption	3,5 W (DC) - 5 VA (AC)
Connector	AM 5110
Voltage	12 V DC - 24 V DC - 24 V AC - 110 V AC - 230 V AC
Manual override	impulse screw – 2 positions



Reference standard

II 2G Ex h IICT5 Gb



II 2D Ex h IICT100°C Db



II 3 GD c nA II T5 -10°C ≤ Ta ≤ 45°C IP65



Ordering codes

C.C. = closed centres
O.C. = open centres
P.C. = pressurized centres

Series

Type

Control 14

Return 12

Option

G - 7

G-7 26 mm G1/8 valves and solenoid valves

3

2 = 5/2
3 = 5/3 **C.C.**
4 = 5/3 **O.C.**
5 = 5/3 **P.C.**

9

3 Pneumatic on the body
9 In-line electric U1 pilot

0

0 Pneumomechanical spring
1 Mechanical spring
3 Pneumatic on the body
9 In-line electric pilot

D

D Pilot external servo-assistance on valve body (M5)
G Manual override on the valve body (only bistable versions)

PNEUMATIC IMPULSE

	Code	Way	Control	Return	Pressure	Resp. Time (ms)		Weight
			14	12	bar	En.	De-en.	Kg
SINGLE PNEUMATIC IMPULSE								



G-7230	5/2	pneumatic amplified	pneumatic + spring	1,5÷10	8	14	0,190	
G-7231	5/2	pneumatic amplified	pneumatico + molla	1,5÷9	18	64	0,190	

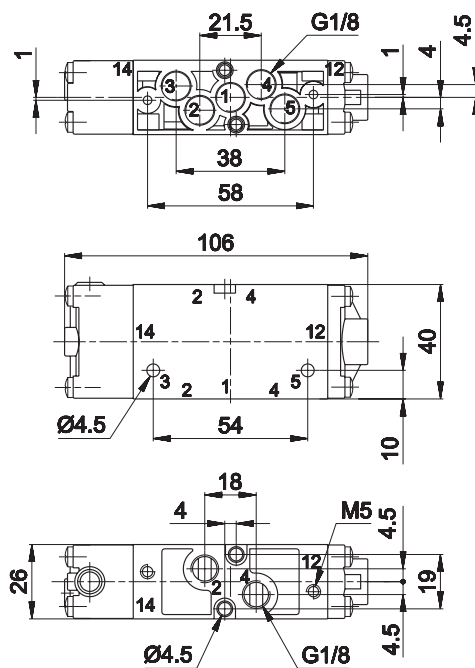
PNEUMATIC IMPULSE BISTABLE



G-7233	5/2	pneumatic amplified	pneumatic amplified	0,7÷10	4	4	0,190	
G-7333	5/3 C.C.	pneumatic amplified	pneumatic amplified	2÷10	8	8	0,200	
G-7433	5/3 O.C.	pneumatic amplified	pneumatic amplified	2÷10	8	8	0,200	
G-7533	5/3 C.P.	pneumatic amplified	pneumatic amplified	2÷10	8	8	0,200	

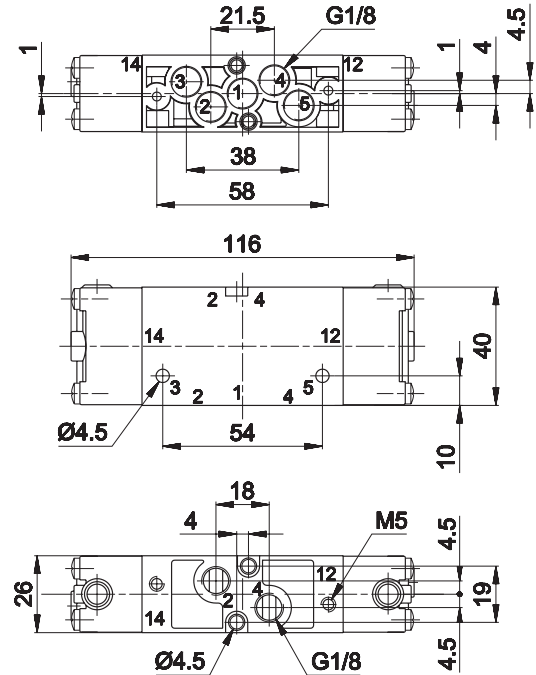
O.C. = open centres **C.C.** = closed centres **P.C.** = pressurized centres

SINGLE PNEUMATIC IMPULSE



1 = Supply port
2 - 4 = Use
3 - 5 = Exhaust
14 = Control
12 = Return

PNEUMATIC IMPULSE BISTABLE



1 = Supply port
2 - 4 = Use
3 - 5 = Exhaust
14 = Control
12 = Return

The valve is supplied with two plugs to be fixed with sealants on unused connections 2-4

ELECTRIC IMPULSE

	Code	Way	Control 14	Return 12	Pressure bar	Resp. Time (ms) En. De-en.	Weight Kg	
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SINGLE ELECTRIC IMPULSE



G-7290	5/2	electric amplified	pneumatic + spring	1,5÷10	15	23	0,214	
G-7291	5/2	electric amplified	spring mechanical	1,5÷9	13	34	0,214	

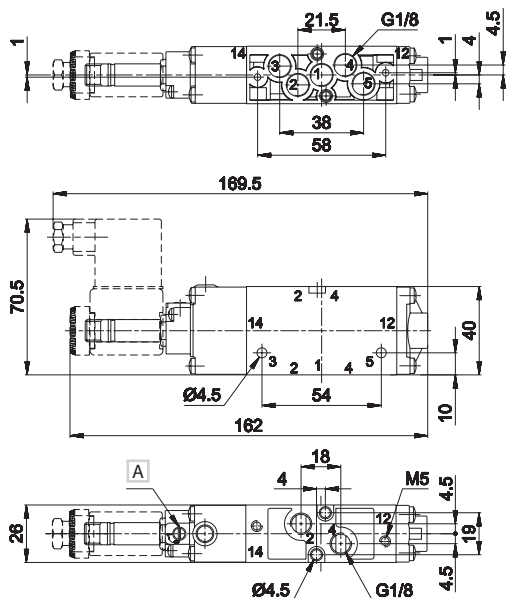
ELECTRIC IMPULSE BISTABLE



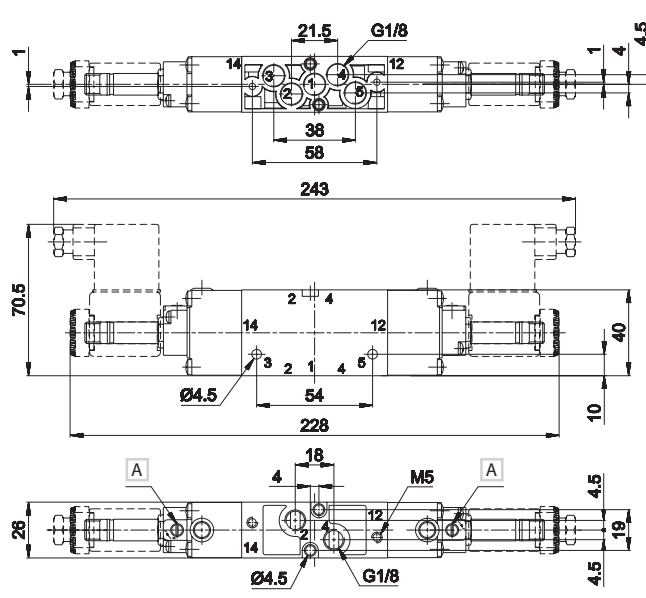
G-7299	5/2	electric amplified	electric amplified	0,7÷10	12	12	0,280	
G-7399	5/3 C.C.	electric amplified	electric amplified	2÷10	14	18	0,309	
G-7499	5/3 O.C.	electric amplified	electric amplified	2÷10	14	18	0,309	
G-7599	5/3 C.P.	electric amplified	electric amplified	2÷10	14	18	0,309	

O.C. = open centres C.C. = closed centres P.C. = pressurized centres

SINGLE ELECTRIC IMPULSE



ELECTRIC IMPULSE BISTABLE



A Manual override

1 = Supply port
2 - 4 = Use
3 - 5 = Exhaust
14 = Control
12 = Return

A Manual override

1 = Supply port
2 - 4 = Use
3 - 5 = Exhaust
14 = Control
12 = Return

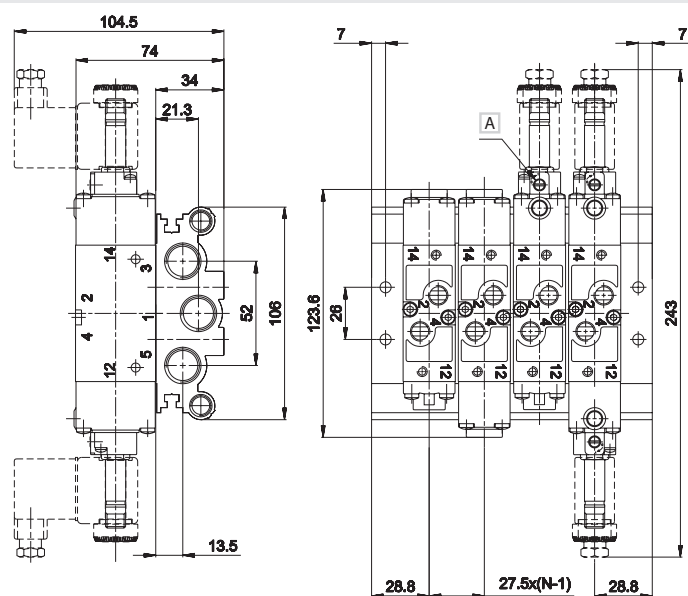
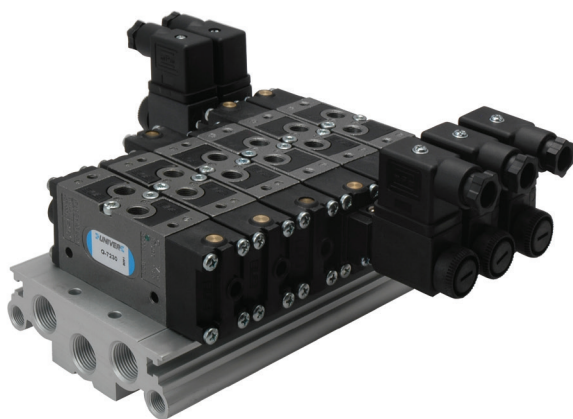
The valve is supplied with two plugs to be fixed with sealants on unused connections 2-4.
Solenoid valves are supplied without coil and connector

MULTIPLE SUB-BASE

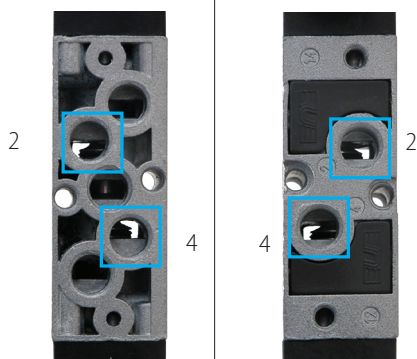
	Places	Thread	Weight		
G-7900-02	2	G1/8	0,455		
G-7900-03	3	G1/8	0,594		
G-7900-04	4	G1/8	0,733		
G-7900-05	5	G1/8	0,872		
G-7900-06	6	G1/8	1,011		
G-7900-07	7	G1/8	1,150		
G-7900-08	8	G1/8	1,289		
G-7900-09	9	G1/8	1,428		
G-7900-10	10	G1/8	1,567		
G-7900-11	11	G1/8	1,706		
G-7900-12	12	G1/8	1,845		



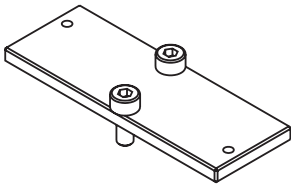
EXAMPLE OF A MULTI-BASE ASSEMBLY



THREADED CONNECTIONS 2 - 4 ON BOTH SIDES OF THE VALVE



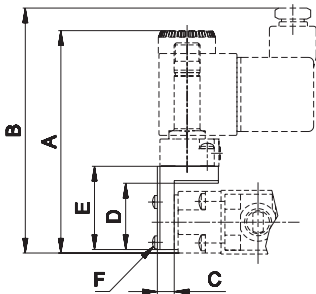
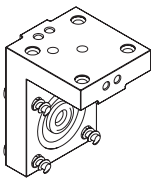
BASE PLATE



G-7885

covering-plate for sub-base place weight: 0,019 Kg

"H" SOLENOID VARIANT BRACKET

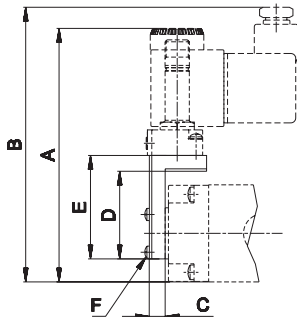
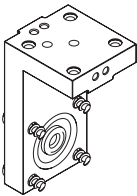


AM-5151

"H" option solenoid square weight: 0,035 Kg

	A	B	C	D	E	F
G1/8	87,7	95,5	6,5	25,5	32	2,9X10

"P" SOLENOID VARIANT BRACKET



AM-5152

"P" option solenoid square weight: 0,05 Kg

	A	B	C	D	E	F
G1/8	106	113,5	6,5	36	42,5	2,9X10

COILS

CSA/UL

Possibility of replacement without intervention in the pneumatic circuit

Other voltages available upon request

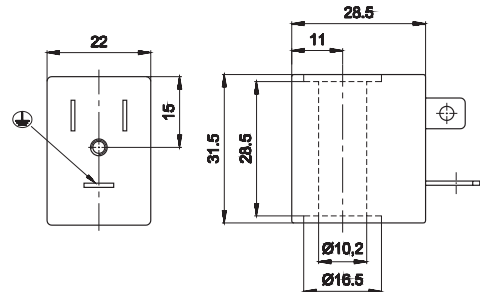
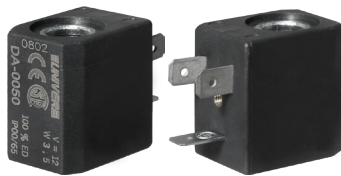
360° rotation on the pilot. Coil winding: H class

Ambient temperature: -10 ÷ +45 °C. Fluid temperature: -10 ÷ +95 °C.

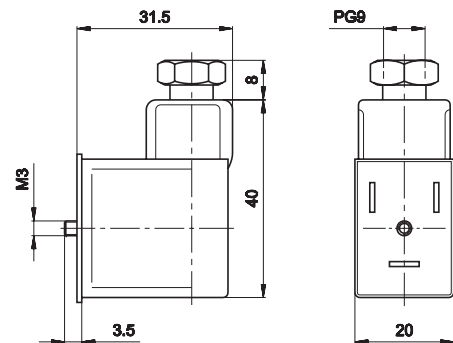
The solenoid valves functioning with 100V-230V must be incorporated (EN60204-1)

Under continuous service a maximum temperature will not compromise the functioning of the coil provided that the working position is ventilated.

Protection class IP65, if used with connector.


U1 22 MM COIL


Code	Duty cycle ED%	Power consumption W		Tolerance tension %	Rated voltage	Weight Kg
		Hold	Inrush			
DA-0050	100	3,5	3,5	±10	12 V DC	0,06
DA-0051	100	3,5	3,5	±10	24 V DC	0,06
DA-0106	100	5,4 VA (Max)	7,8 VA (Max)	±10	24 V AC/50-60 HZ	0,06
DA-0108	100	5,4 VA (Max)	7,8 VA (Max)	±10	110 V AC/50-60 HZ	0,06
DA-0124	100	5,4 VA (Max)	7,8 VA (Max)	±10	230 V AC/50-60 HZ	0,06

CONNECTOR FOR COIL U1


Code	Coil series	Protection according	Cable connection	Rotation
AM-5110	U1	IP65	PG9	180°

LED available upon request.