SERIES G-6 – VALVES AND SOLENOID VALVES, 20 MM THREADED

20 mm Valves and Solenoid Valves

- G1/8 threaded valve body with traditional Univer spool system
- Version with integrated electrical connection and external connection
- Compact design
- High flow rate
- Versions available: 5/2 - 5/3 - 3/2+3/2

Fluid	Filtered air 50 µm, with or without lubrication
Ambient temperature	-5 ÷ +50 °C
Fluid temperature	Max +50 °C
Commutation system	spool
Ways/Positions	5/2, 5/3, 3/2+3/2
Pressure	0,6 ÷ 10 bar
Control	Indirect electro-pneumatic, pneumatic
Return	Mechanical spring, pneumo-mechanical spring
Connections	G1/8
Nominal Ø	5 mm
Nominal flow rate (Nl/min)	5/2 = 770 5/3 = 700 3/2+3/2 = 670
Valve body	zamak
Seals	NBR
Subbase and actuators	self-extinguishing technopolymer
Spool	aluminum
Electropilot	series A - series B
Coil	U05 - U04
Voltage	24 V DC -12 V DC - 24 V AC - 110 V AC - 230 V AC (only version with external electrical connection)
Power consumption	U05 = 2 W (DC) 2,3 VA (AC) U04 = 1,2 W (DC)
Protection degree	IP65
Manual override	recessed button – 1 position

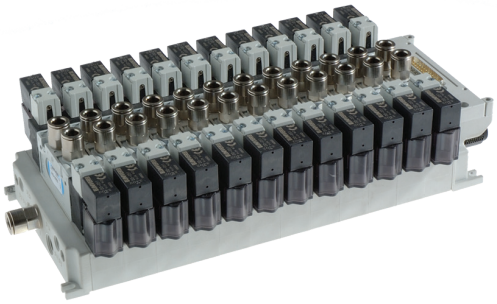
Reference standard

II 2G Ex h IIC T5 Gb

II 2D Ex h IIIC T100°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

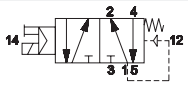
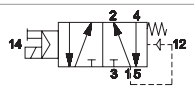
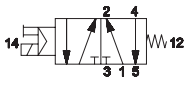
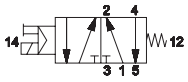
Series	Type	Control 14	Return 12	Option
G 6	6	4	4	D
G-6 20 mm Valves and solenoid valves - threaded body G1/8	2 5/2 3 5/3 C.C. 4 5/3 O.C. 5 5/3 P.C. 6 3/2+3/2 NC-NC 7 3/2+3/2 NC-NO 8 3/2+3/2 NO-NO	3 Pneumatic amplified 4 Electrical amplified DC 5 Electrical amplified DC/AC 6 Electrical amplified DC (B series 10mm electropilot)	0 Pneumomechanical spring 1 Mechanical spring 3 Pneumatic amplified 4 Electrical amplified DC 5 Electrical amplified DC/AC 6 Electrical amplified DC (B series 10 mm electropilot)	D External servoassisted pilot

SERIES G-6 – VALVES AND SOLENOID VALVES, 20 MM THREADED

SINGLE ELECTRIC IMPULSE PILOT 15 MM (COILS U5)
SINGLE ELECTRIC IMPULSE

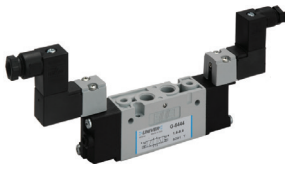


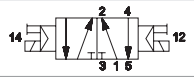
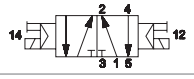
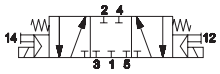
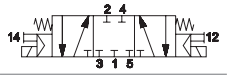
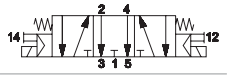
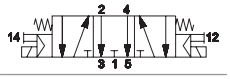
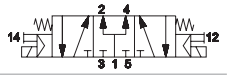
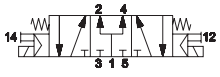


G-6240	5/2	
G-6250	5/2	
G-6241	5/2	
G-6251	5/2	

BISTABLE ELECTRICAL IMPULSE





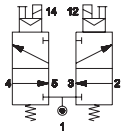
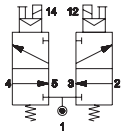
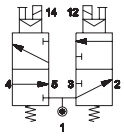
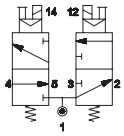
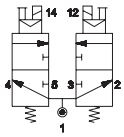
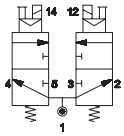
G-6244	5/2	
G-6255	5/2	
G-6344	5/3 C.C.	
G-6355	5/3 C.C.	
G-6444	5/3 O.C.	
G-6455	5/3 O.C.	
G-6544	5/3 P.C.	
G-6555	5/3 P.C.	

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

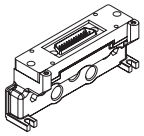
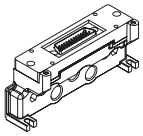
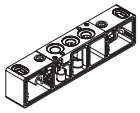
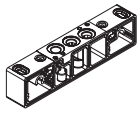
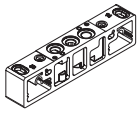
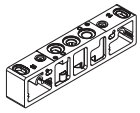
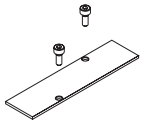
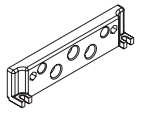
SINGLE ELECTRIC IMPULSE PILOT 15 MM (COILS U5)
BISTABLE ELECTRICAL IMPULSE

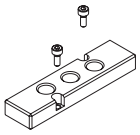
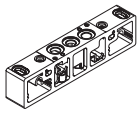
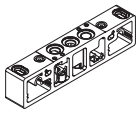
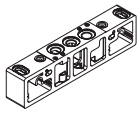
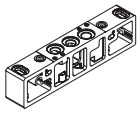
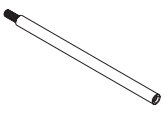




G-6644	3/2 NC + 3/2 NC	
G-6655	3/2 NC + 3/2 NC	
G-6744	3/2 NC + 3/2 NO	
G-6755	3/2 NC + 3/2 NO	
G-6844	3/2 NO + 3/2 NO	
G-6855	3/2 NO + 3/2 NO	

ACCESSORIES - MULTI-POLE ELECTRICAL CONNECTION

GP-611212	GP-611806	GP-6311	GP-6312	GP-6321	GP-6322	GP-6385	GP-6110
							
threaded end plate with male connector 25 poles	threaded end plate with male connector 25 poles	sub-base with open diaphragms monostable	sub-base with open diaphragms bistable	sub-base with closed diaphragms monostable	sub-base with closed diaphragms bistable	closing plate for unused station	blank end plate

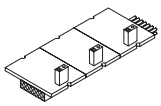
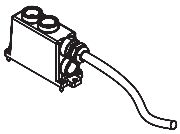
GP-6380	GP-6331	GP-6332	GP-6341	GP-6342	GP-6400-1	GP-6400-2	GP-6400-5
							
intermediate supply plate	sub-base with closed supply and open exhausts monostable	sub-base with open supply and closed exhausts without electrical connection	sub-base with open supply and closed exhausts monostable	sub-base with open supply and closed exhausts bistable	modular tie-rod 1 valve place	modular tie-rod 2 valve places	modular tie-rod 5 valve places

Solenoid valves are supplied without coil and connector

ACCESSORIES - MULTI-POLE ELECTRICAL CONNECTION

AZ4-VN0416	AZ4-SN004A	GP-6512-01MF GP-6512-02MF GP-6512-03MF GP-6512-05MF GP-6512-06MF	GP-6514-01MF GP-6514-02MF GP-6514-03MF GP-6514-05MF GP-6514-06MF	GP-651418	TSCF24S0300 TSCF24S0500 TSCF24S1000



screw M04x16 for tie-rods

hexagonal nut M4

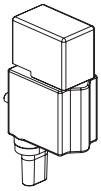
BUS connection card control side 12 with 12 pin

BUS connection card control side 14 with 12 pin

BUS connection card control side 14 with 18 pins

flying female connector sub D

INTEGRATED COIL



DD-051-2C	24 V DC
DD-040-2C	24 V AC

ACCESSORIES - ELECTRICAL CONNECTION WITH 15 MM EXTERNAL CONNECTOR

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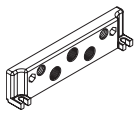
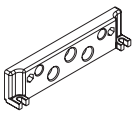
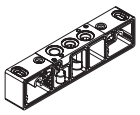
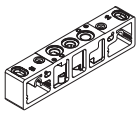
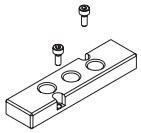
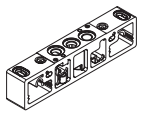
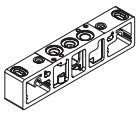
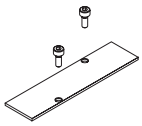
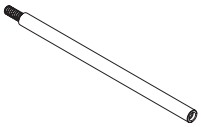
						
threaded end plate	blank end plate	sub-base with open diaphragms without electrical connection	sub-base with closed diaphragms without electrical connection	intermediate supply plate	sub-base with closed supply and open exhausts without electrical connection	sub-base with open supply and closed exhausts without electrical connection

GP-6385	GP-6400-1	GP-6400-2	GP-6400-5	AZ4-VN0416	AZ4-SN004A
					
closing plate for unused station	modular tie-rod 1 valve place	modular tie-rod 2 valve places	modular tie-rod 5 valve places	screw M04x16 for tie-rods	hexagonal nut M4

Solenoid valves are supplied without coil and connector

SERIES G-6 – VALVES AND SOLENOID VALVES, 20 MM THREADED

COILS U05 15 MM FASTON



	DC	AC
DD-013	-	230
DD-040	-	24
DD-041	12	-
DD-042	12	-
DD-050	-	48
DD-051	24	-
DD-052	24	-
DD-060	-	110
DD-070	-	230

CONNECTOR 15 MM



AM-5109 -

U05 COIL WITH INTEGRATED 90° HIGH-PROFILE CONNECTOR



DD-351 24 V DC

U05 COIL WITH INTEGRATED 90° CONNECTOR (LOWER)



DD-151 24 V DC

U05 COIL WITH INTEGRATED IN-LINE CONNECTOR



DD-551 24 V DC

U05 COIL WITH LOOSE WIRES (LENGTH 300 MM)



DD-051L030	24 V DC
DD-052L030	24 V DC

MINIATURE WIRELESS CONNECTOR



D-500

MINIATURE CONNECTOR WITH LEADS



D-530-30
D-530-50
D-530-200

MINIATURE CONNECTOR WITH CABLE



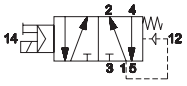
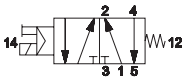
D-535-30
D-535-50
D-535-200

Solenoid valves are supplied without coil and connector

SERIES G-6 – VALVES AND SOLENOID VALVES, 20 MM THREADED

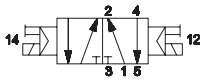
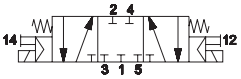
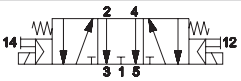
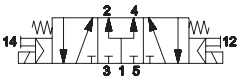
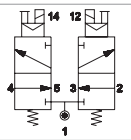
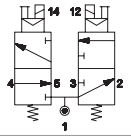
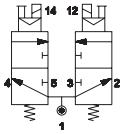
ELECTRIC PILOT IMPULSE 10MM (U4 COILS)
SINGLE ELECTRIC PULSE



G-6260	5/2	
G-6261	5/2	

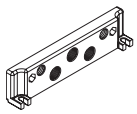
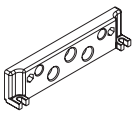
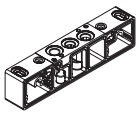
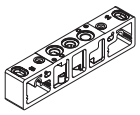
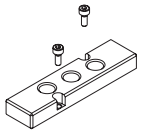
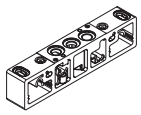
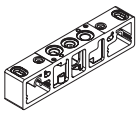
BISTABLE ELECTRIC PULSE

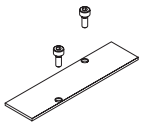
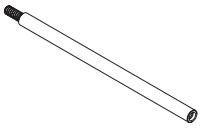


G-6266	5/2	
G-6366	5/3 **C.C.**	
G-6466	5/3 **O.C.**	
G-6566	5/3 **P.C.**	
G-6666	3/2 NC + 3/2 NC	
G-6766	3/2 NC + 3/2 NO	
G-6866	3/2 NO + 3/2 NO	

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

ACCESSORIES - ELECTRICAL CONNECTION WITH PILOT IMPULSE 10MM (U4 COILS)

GP-6100	GP-6110	GP-6310	GP-6320	GP-6380	GP-6330	GP-6340
						
threaded end plate	blank end plate	sub-base with open diaphragms without electrical connection	sub-base with closed diaphragms without electrical connection	intermediate supply plate	sub-base with closed supply and open exhausts without electrical connection	sub-base with open supply and closed exhausts without electrical connection

GP-6385	GP-6400-1	GP-6400-2	GP-6400-5	AZ4-VN0416	AZ4-SN004A
					
closing plate for unused station	modular tie-rod 1 valve place	modular tie-rod 2 valve places	modular tie-rod 5 valve places	screw M04x16 for tie-rods	hexagonal nut M4

Solenoid valves are supplied without coil and connector

SERIES G-6 – VALVES AND SOLENOID VALVES, 20 MM THREADED

U04 COIL WITH INTEGRATED 90° UPWARD CONNECTOR



DE-352	24 V DC
DE-355	24 V DC
DE-452	24 V DC

U04 COIL WITH IN-LINE CONNECTOR



DE-552	24 V DC
DE-555	24 V DC
DE-652	24 V DC

U04 COIL WITH LOOSE CABLES (LENGTH 300 MM)



DE-052L030	24 V DC

U04 COIL WITH IN-LINE CONNECTOR WITH PROTECTING COVER FOR COMPLETE TIGHTNESS



DE-642I	12 V DC
DE-652I	24 V DC
DE-655I	24 V DC

MINIATURE WIRELESS CONNECTOR



D-500

MINIATURE CONNECTOR WITH LEADS



D-530-30
D-530-50
D-530-200

MINIATURE CONNECTOR WITH CABLE



D-535-30
D-535-50
D-535-200

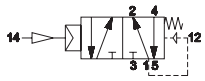
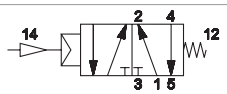
Solenoid valves are supplied without coil and connector

SERIES G-6 – VALVES AND SOLENOID VALVES, 20 MM THREADED

PNEUMATIC IMPULSE

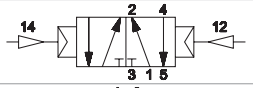
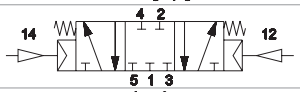
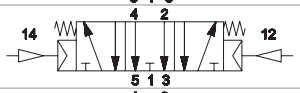
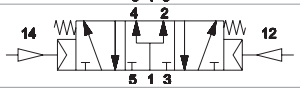
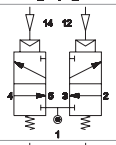
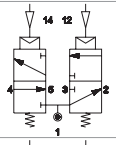
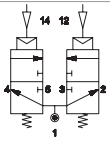
SINGLE PNEUMATIC IMPULSE



G-6230	5/2	
G-6231	5/2	

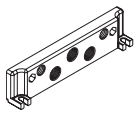
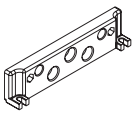
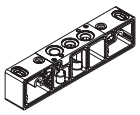
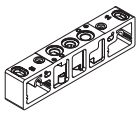
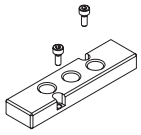
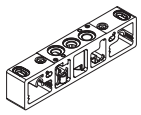
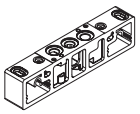
PNEUMATIC IMPULSE BISTABLE

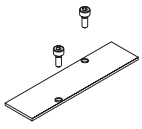
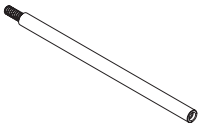


G-6233	5/2	
G-6333	5/3 **C.C.**	
G-6433	5/3 **O.C.**	
G-6533	5/3 **P.C.**	
G-6633	3/2 NC + 3/2 NC	
G-6733	3/2 NC + 3/2 NO	
G-6833	3/2 NO + 3/2 NO	

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

ACCESSORIES - PNEUMATIC IMPULSE

GP-6100	GP-6110	GP-6310	GP-6320	GP-6380	GP-6330	GP-6340
						
threaded end plate	blank end plate	sub-base with open diaphragms without electrical connection	sub-base with closed diaphragms without electrical connection	intermediate supply plate	sub-base with closed supply and open exhausts without electrical connection	sub-base with open supply and closed exhausts without electrical connection

GP-6385	GP-6400-1	GP-6400-2	GP-6400-5	AZ4-VN0416	AZ4-SN004A
					
closing plate for unused station	modular tie-rod 1 valve place	modular tie-rod 2 valve places	modular tie-rod 5 valve places	screw M04x16 for tie-rods	hexagonal nut M4