

SERIES GL-6 – 20 MM VALVES AND SOLENOID VALVES FOR BASE ASSEMBLY



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	spool
Ambient temperature	5/2, 5/3, 3/2+3/2
Fluid temperature	1,5 ÷ 9 bar
Commutation system	indirect electro-pneumatic, pneumatic
Ways/Positions	mechanical spring, pneumomechanical spring
Pressure	G1/8
Control	5 mm
Return	5/2 = 770 5/3 = 700 3/2+3/2 = 670
Connections	G1/8
Nominal Ø	5 mm
Valve body	zamak
Seals	nitrile rubber
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 for version with integrated 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

Nominal flow rate (NI/min)

	Straight connector			L-shaped connector		
	Ø4	Ø6	Ø8	Ø4	Ø6	Ø8
5/2	200	510	740	140	370	620
5/3	200	510	670	140	370	550
3/2+3/2	200	510	640	140	370	520



Reference standard

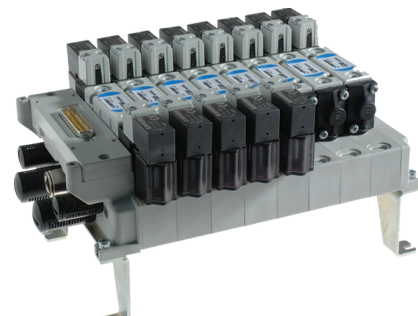
II 2G Ex h IIC T5 Gb



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 L - 6

6

4

4

D

GL-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 GL-6 – 20 MM VALVES AND SOLENOID VALVES FOR BASE ASSEMBLY

ELECTRIC PILOT IMPULSE 15 MM (U5 COILS)

SINGLE ELECTRIC IMPULSE

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

BISTABLE ELECTRICAL IMPULSE

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

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

ELECTRIC PILOT IMPULSE 15 MM (U5 COILS)

BISTABLE ELECTRICAL IMPULSE

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

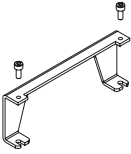
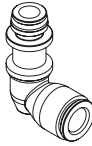
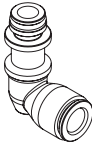
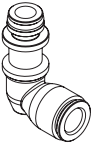
ACCESSORIES - MULTIPIN ELECTRICAL CONNECTION

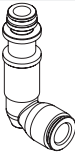
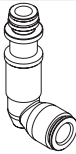
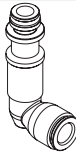
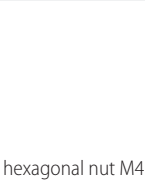
GP-611212	GP-611806	GP-6211	GP-6212	GP-6221	GP-6222	GP-6385	GP-6110
end plate with male connector	end plate with male connector 25 poles	sub-base with open diaphragms monostable	sub-base with open diaphragms bistable	sub-base with closed diaphragms monostable	sub-base with closed diaphragms bistable	closing plate for unused station	blank end plate
GP-6380	GP-6231	GP-6232	GP-6241	GP-6242	GP-6400-1	GP-6400-2	GP-6400-5
intermediate supply plate	sub-base with closed supply and open exhausts monostable	sub-base with closed supply and open exhausts bistable	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

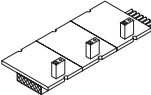
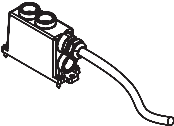
Solenoid valves are supplied without coil and connector

SERIES GL-6 – 20 MM VALVES AND SOLENOID VALVES FOR BASE ASSEMBLY

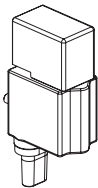
ACCESSORI CONNESSIONE ELETTRICA MULTIPOLARE

GP-6411	GZR-100	GZR-V10004	GZR-V10006	GZR-V10008	GZR-V20004	GZR-V20006	GZR-V20008
							
lifting bracket	blanking plug	straight fitting tube: 4 mm	straight fitting ube: 6 mm	straight fitting tube: 8 mm	low elbow fitting tube: 4 mm	low elbow fitting tube: 6 mm	low elbow fitting tube 8 mm

GZR-V20L004	GZR-V20L006	GZR-V20L008	AZ4-VN0416	AZ4-SN004A
				
high elbow fitting tube: 4 mm	high elbow fitting tube: 6 mm	high elbow fitting tube: 8 mm	screw M04x16 for tie-rods	hexagonal nut M4

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
			
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 pin	flying female connector sub D

INTEGRATED COIL



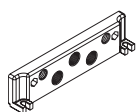
DD-051-2C24 V DC

DD-040-2C24 V AC

SERIES GL-6 – 20 MM VALVES AND SOLENOID VALVES FOR BASE ASSEMBLY

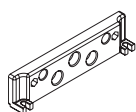
ACCESSORI CONNESSIONE ELETTRICA CON CONNETTORE ESTERNO 15 MM

GP-6100



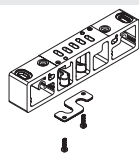
piastra d'estremità
filettata

GP-6110



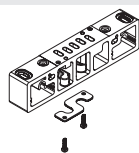
piastra d'estremità
di chiusura

GP-6210



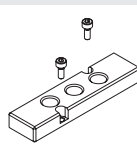
sottobase con diaframmi
aperti senza
connessione elettrica

GP-6220



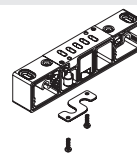
sottobase con
diaframmi chiusi senza
connessione elettrica

GP-6380



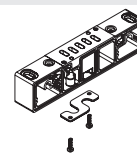
piastrina di alimentazione
intermedia

GP-6230



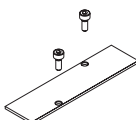
sottobase con
alimentazione chiusa
e scarichi aperti senza
connessione elettrica

GP-6240



sottobase con
alimentazione aperta
e scarichi chiusi senza
connessione elettrica

GP-6385



piastrina di chiusura
posto valvola
inutilizzato

GP-6400-1



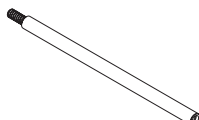
tirante modulare
1 posto valvola

GP-6400-2



tirante modulare
1 posto valvola

GP-6400-5



tirante modulare
5 posti valvola

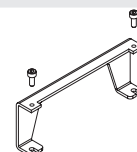
AZ4-VN0416

vite brugola M04x16 per
tiranti

AZ4-SN004A

dado esagonale M4

GP-6411



pie'dino di sollevamento

GZR-100



tappo di chiusura

GZR-V10004



raccordo diritto
tubo: 4 mm

GZR-V10006



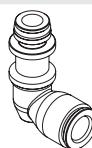
raccordo diritto
tubo: 6 mm

GZR-V10008



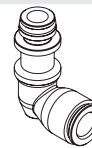
raccordo diritto
tubo: 8 mm

GZR-V20004



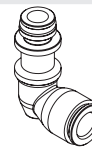
raccordo a gomito
girevole basso
tubo: 4 mm

GZR-V20006



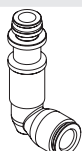
raccordo a gomito
girevole basso
tubo: 6 mm

GZR-V20008



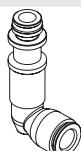
raccordo a gomito
girevole basso
tubo 8 mm

GZR-V20L004



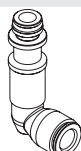
raccordo a gomito
girevole alto
tubo: 4 mm

GZR-V20L006



raccordo a gomito
girevole alto
tubo: 6 mm

GZR-V20L008



raccordo a gomito
girevole alto
tubo: 8 mm

SERIES GL-6 – 20 MM VALVES AND SOLENOID VALVES FOR BASE ASSEMBLY

U05 15 MM COIL - 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



CONNECTORS 15 MM		
AM-5109	-	



U05 COIL WITH INTEGRATED 90° UPWARD CONNECTOR		
DD-351	24 V DC	



U05 COIL WITH INTEGRATED 90° DOWNWARD CONNECTOR		
DD-151	24 V DC	



U05 COIL WITH IN-LINE CONNECTOR		
DD-551	24 V DC	



U05 COIL WITH LOOSE CABLES (LENGTH 300 MM)		
DD-051L030	24 V DC	
DD-052L030	24 V DC	



MINIATURE CONNECTOR WITHOUT WIRES	MINIATURE CONNECTOR WITH LOOSE CABLES	MINIATURE CONNECTOR WITH CABLE
D-500	D-530-30	D-535-30
	D-530-50	D-535-50
	D-530-200	D-535-200



Solenoid valves are supplied without coil and connector

SERIES GL-6 – 20 MM VALVES AND SOLENOID VALVES FOR BASE ASSEMBLY

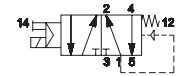
ELECTRIC PILOT IMPULSE 10 MM (U4 COILS)

SINGLE ELECTRIC IMPULSE



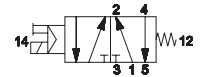
GL-6260

5/2



GL-6261

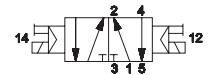
5/2



BISTABLE ELECTRICAL IMPULSE

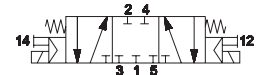
GL-6266

5/2



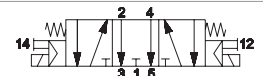
GL-6366

5/3 C.C.



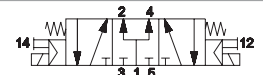
GL-6466

5/3 O.C.



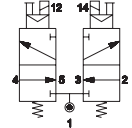
GL-6566

5/3 P.C.



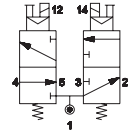
GL-6666

3/2 NC
+
3/2 NC



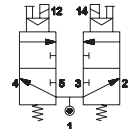
GL-6766

3/2 NC
+
3/2 NO



GL-6866

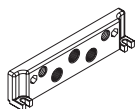
3/2 NO
+
3/2 NO



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

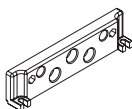
ACCESSORIES - ELECTRIC PILOT IMPULSE 10 MM (U4 COILS)

GP-6100



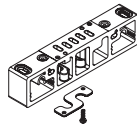
threaded end plate

GP-6110



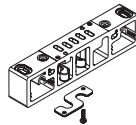
blank end plate

GP-6210



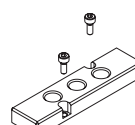
sub-base with
open diaphragms without
electrical connection

GP-6220



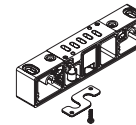
sub-base with
closed diaphragms
without electrical
connectionweight

GP-6380



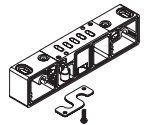
intermediate
supply plate

GP-6230



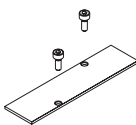
sub-base with
closed supply and
open exhausts without
electrical connection

GP-6240



sub-base with
open supply and
closed exhausts without
electrical connection

GP-6385



closing plate for
unused station

GP-6400-1



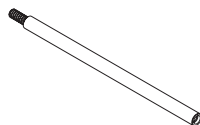
modular tie-rod
1 valve place

GP-6400-2



modular tie-rod
2 valve places

GP-6400-5



modular tie-rod
5 valve places

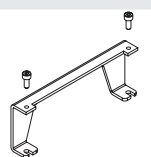
AZ4-VN0416

screw M04x16 for tie-rods

AZ4-SN004A

hexagonal nut M4

GP-6411



lifting bracket

SERIES GL-6 – 20 MM VALVES AND SOLENOID VALVES FOR BASE ASSEMBLY

ACCESSORIES - ELECTRIC PILOT IMPULSE 10 MM (U4 COILS)

GZR-100



blanking plug

GZR-V10004



straight fitting
tube: 4 mm

GZR-V10006



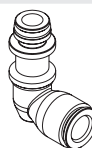
straight fitting
tube: 6 mm

GZR-V10008



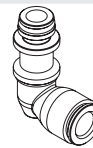
straight fitting
tube: 8 mm

GZR-V20004



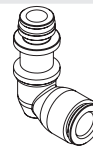
low elbow fitting
tube: 4 mm

GZR-V20006



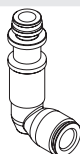
low elbow fitting
tube: 6 mm

GZR-V20008



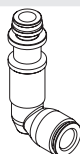
low elbow fitting
tube: 8 mm

GZR-V20L004



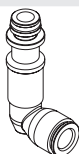
high elbow fitting
tube: 4 mm

GZR-V20L006



high elbow fitting
tube: 6 mm

GZR-V20L008



high elbow fitting
tube: 8 mm

U04 COIL WITH INTEGRATED 90° UPWARD



DE-352

24 V DC

DE-355

24 V DC

DE-452

24 V DC

U04 COIL WITH IN-LINE



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 CONNECTOR WITHOUT WIRES



D-500

MINIATURE CONNECTOR WITH LOOSE CABLES



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 GL-6 – 20 MM VALVES AND SOLENOID VALVES FOR BASE ASSEMBLY

PNEUMATIC IMPULSE SINGLE PNEUMATIC IMPULSE



GL-6230	5/2	
GL-6231	5/2	

PNEUMATIC IMPULSE BISTABLE



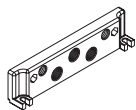
GL-6233	5/2	
GL-6333	5/3 C.C.	
GL-6433	5/3 O.C.	
GL-6533	5/3 P.C.	
GL-6633	3/2 NC + 3/2 NC	
GL-6733	3/2 NC + 3/2 NO	
GL-6833	3/2 NO + 3/2 NO	

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

SERIES GL-6 – 20 MM VALVES AND SOLENOID VALVES FOR BASE ASSEMBLY

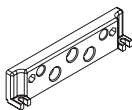
ACCESSORIES - PNEUMATIC IMPULSE

GP-6100



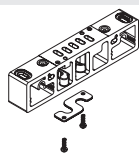
threaded end plate

GP-6110



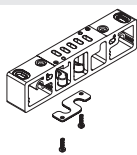
blank end plate

GP-6210



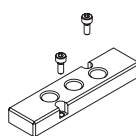
sub-base with
open diaphragms without
electrical connection

GP-6220



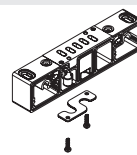
sub-base with
closed diaphragms
without electrical
connectionweight

GP-6380



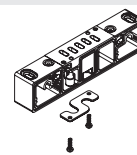
intermediate
supply plate

GP-6230



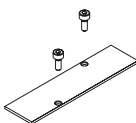
sub-base with
closed supply and
open exhausts without
electrical connection

GP-6240



sub-base with
open supply and
closed exhausts without
electrical connection

GP-6385



closing plate for
unused station

GP-6400-1



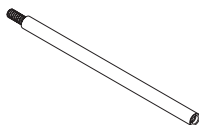
modular tie-rod
1 valve place

GP-6400-2



modular tie-rod
2 valve places

GP-6400-5



modular tie-rod
5 valve places

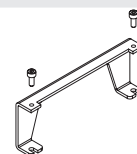
AZ4-VN0416

screw M04x16 for tie-rods

AZ4-SN004A

hexagonal nut M4

GP-6411



lifting bracket

GZR-100



blanking plug

GZR-V10004



straight fitting
tube: 4 mm

GZR-V10006



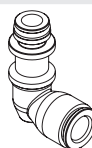
straight fitting
tube: 6 mm

GZR-V10008



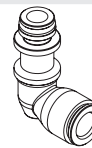
straight fitting
tube: 8 mm

GZR-V20004



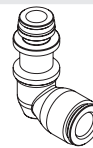
low elbow fitting
tube: 4 mm

GZR-V20006



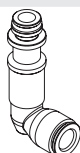
low elbow fitting
tube: 6 mm

GZR-V20008



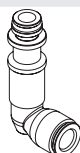
low elbow fitting
tube 8 mm

GZR-V20L004



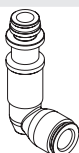
high elbow fitting
tube: 4 mm

GZR-V20L006



high elbow fitting
tube: 6 mm

GZR-V20L008



high elbow fitting
tube: 8 mm