

P15E

15 mm COMPACT Valves
G1/8 and for sub-base



P15E

15 mm COMPACT Valves - G1/8 and for sub-base

HIGH FLOW RATE

Flow rate higher than **800 NI/min**

REDUCED DIMENSIONS

Body width **15 mm**

COMPLETE SOLUTION

Versions available **5/2 - 5/3 - 3/2+3/2**

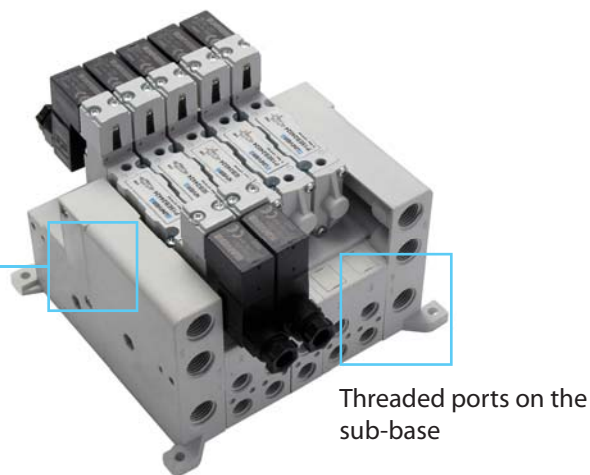
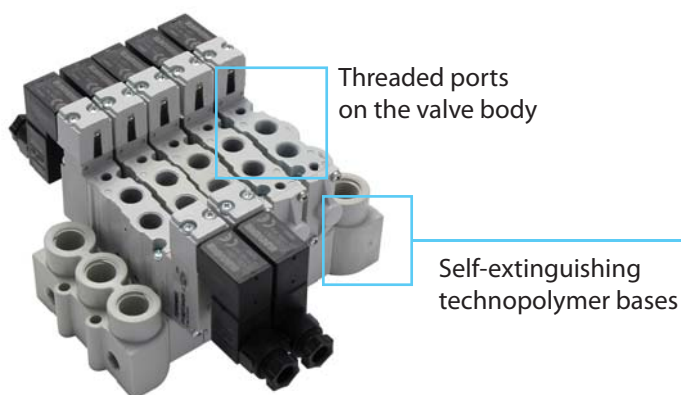


P15EF

Threaded ports (G1/8)

P15EB

For sub-base (G1/8 - Tube 4-6-8)



Pre-assembled sub-base



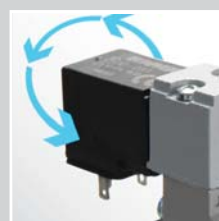
Pre-assembled sub-base



Solenoid valves are supplied with coils, without connectors



Pilot 15 mm - A series
UNIVER Original



Interchangeable coil
U05 type
90° x 90° revolvable
12 - 24 V DC,
24 - 48 - 110 - 230 V AC



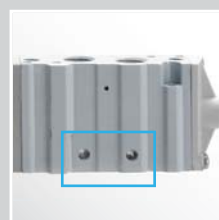
Manual override (standard)
Monostable



Manual override
(upon request)
Monostable + 2 positions



Sub-base mounting
Easy installation by means
of 2 screws

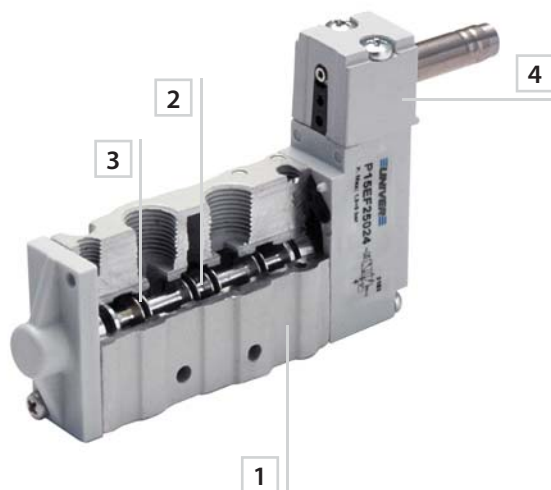


Single mounting
Side holes on valve body



DIN rail Adaptor
Easy installation and
mounting

Constructive characteristics



1. Metal body
2. Balanced spool system
3. Nitrile rubber seals
4. Pilot 15 mm - A series

P15EF

15 mm COMPACT Distributors - Threaded body G1/8

- High flow rate
- Reduced dimensions
- Complete solution
- Interchangeable coil
- Single mounting and on sub-base
- Pre-assembled sub-base



TECHNICAL CHARACTERISTICS

Ambiente temperature	-5 ÷ 50 °C
Fluid temperature	Max 50 °C
Fluid	10 µm filtered air, with or without lubrication
Commutation system	spool
Ways/Positions	5/2 - 5/3 - 3/2+3/2
Pressure Max	9 bar
Control	indirect electro - pneumatic, pneumatic
Return	mechanical spring, pneumomechanical spring
Connections	G1/8
Nominal flow rate (NI/min)	800 (5/2) 720 (5/3) 720 (3/2+3/2)

CONSTRUCTIVE CHARACTERISTICS

Valve body	zamak
Seals	nitrile rubber
Sub-bases and operators	technopolymer
Spool	aluminum

ELECTRICAL CHARACTERISTICS

Electropilot	A series (15 mm) DC/AC
Coil	U05 series
Voltage	12 V DC - 24 V DC - 24 V AC - 48 V AC - 110 V AC - 230 V AC
Power consumption	2 W (DC) 2,3 VA (AC)
Protection degree	IP65
Manual override	impulse screw - 1-2 positions

CODIFICATION KEY

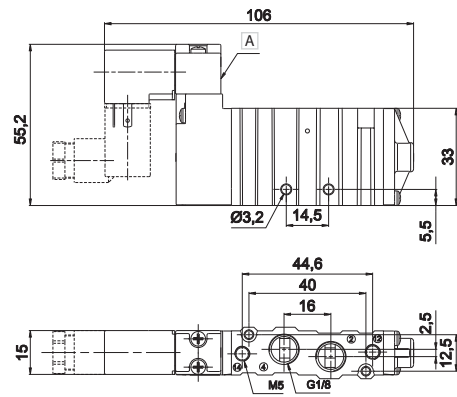
P	1	5	E	F	2	5	5	2	4	
1					2	3	4	5		6

1 Series P15EF = COMPACT Valves Threaded body G1/8 A series electropilot (15 mm)	2 Type 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 Control 14 5 = Electrical amplified 15 mm
4 Return 12 0 = Pneumomechanical spring 1 = Mechanical spring 5 = Electrical amplified 15 mm	5 Voltage 12 = 12 V DC 48 = 48 V AC 24 = 24 V DC 11 = 110 V AC 34 = 24 V AC 23 = 230 V AC	6 Option C = 2-positions manual override (upon request) D = External pilot supply

c.c. = closed centres o.c. = open centres p.c. = pressurized centres

P15E 4 Subject to change

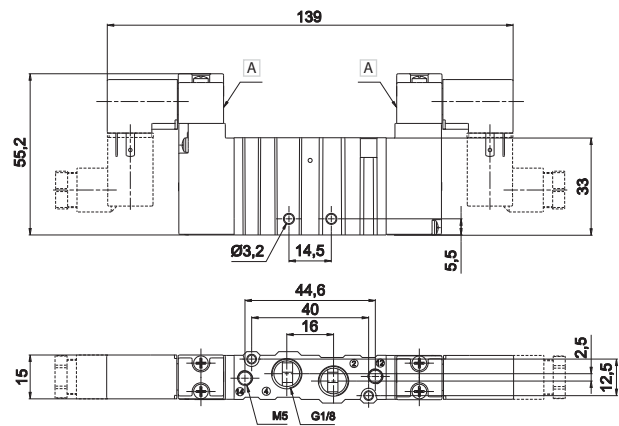
Single electrical impulse



A Manual override
2 - 4 = Use
14 = Control
12 = Return

Symbol	Type	Control	Return	Pressure bar	Time (ms)		Weight Kg	Part No.
					En.	De.En		
	5/2	electrical amplified	pneumomechanical spring	1,5÷9	15	24	0,164	P15EF250**
	5/2	electrical amplified	mechanical spring	1,9÷9	12	21	0,164	P15EF251**

Double electric impulse



A Manual override
2 - 4 = Use
14 = Control
12 = Return

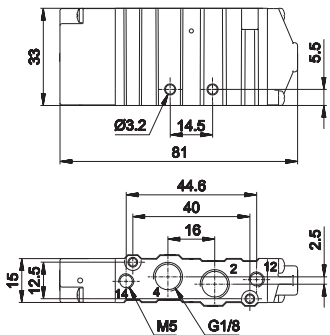
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					En.	De.En		
	5/2	electrical amplified	electrical amplified	1,5÷9	16	16	0,210	P15EF255**
	5/3 c.c.	electrical amplified	electrical amplified	1,9÷9	11	35	0,210	P15EF355**
	5/3 o.c.	electrical amplified	electrical amplified	1,9÷9	11	35	0,210	P15EF455**
	5/3 p.c.	electrical amplified	electrical amplified	1,9÷9	11	35	0,210	P15EF555**
	3/2 NC + 3/2 NC	electrical amplified	electrical amplified	1,5÷9	14	16	0,210	P15EF655**
	3/2 NC + 3/2 NO	electrical amplified	electrical amplified	1,9÷9	14	16	0,210	P15EF755**
	3/2 NO + 3/2 NO	electrical amplified	electrical amplified	1,9÷9	14	16	0,210	P15EF855**

o.c. = open centres c.c. = closed centres p.c. = pressurized centres

** = Voltage 12 V DC - 24 V DC - 24 V AC - 48 V AC - 110 V AC - 230 V AC (Example: P15EF25024)

Solenoi valves supplied with coils, without connectors

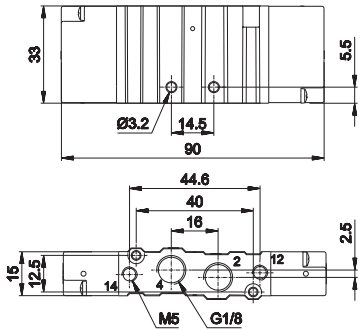
Single pneumatic impulse



2 - 4 = Use
14 = Control
12 = Return

Symbol	Type	Control	Return	Pressure bar	Time (ms)		Weight Kg	Part No.
					En.	De.En.		
	5/2	pneumatic amplified	pneumomechanical spring	1,9÷10	11	15	0,042	P15F230
	5/2	pneumatic amplified	mechanical spring	2÷10	10	14	0,042	P15F231

Double pneumatic impulse



2 - 4 = Use
14 = Control
12 = Return

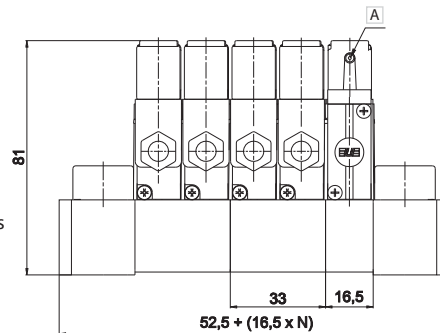
Symbol	Type	Control	Return	Pressure bar	Time (ms)		Weight Kg	Part No.
					En.	De.En.		
	5/2	pneumatic amplified	pneumatic amplified	0,7÷10	10	10	0,044	P15F233
	5/3 c.c.	pneumatic amplified	pneumatic amplified	1,6÷10	9	21	0,044	P15F333
	5/3 o.c.	pneumatic amplified	pneumatic amplified	1,6÷10	9	21	0,044	P15F433
	5/3 p.c.	pneumatic amplified	pneumatic amplified	1,6÷10	9	21	0,044	P15F533
	3/2 NC + 3/2 NC	pneumatic amplified	pneumatic amplified	1,3÷10	10	14	0,044	P15F633
	3/2 NC + 3/2 NO	pneumatic amplified	pneumatic amplified	1,3÷10	10	14	0,044	P15F733
	3/2 NO + 3/2 NO	pneumatic amplified	pneumatic amplified	1,3÷10	10	14	0,044	P15F833

o.c. = open centres c.c. = closed centres p.c. = pressurized centres

Electrical connection with external connector



- 1 = Supply port
 - 2 - 4 = Use
 - 3 - 5 = Exhaust
 - 14 = Control
 - 12 = Return
- N = Number of valve places
- A Manual override



DIN C (8 mm)
Available upon request



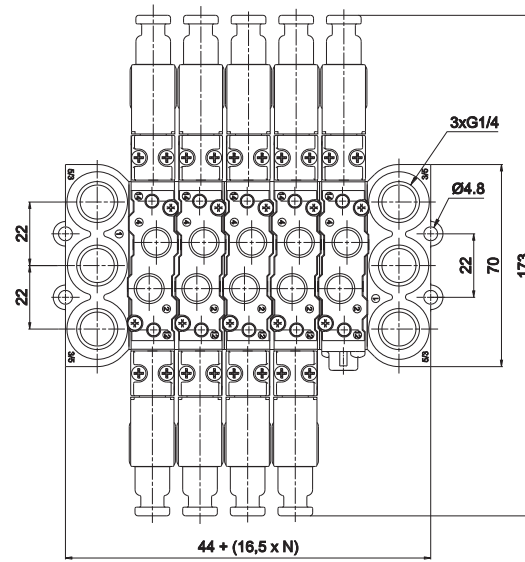
DIN rail adaptor

For further information please contact our Sales Office.

Pre-assembled sub-base



Part No.	Positions
P15SF499-02	2
P15SF499-03	3
P15SF499-04	4
P15SF499-05	5
P15SF499-06	6
P15SF499-07	7
P15SF499-08	8
P15SF499-09	9
P15SF499-10	10



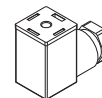
Pre-assembled sub-bases include seals and screws for valve assembly

P15SF300	P15SF310	P15SF400	P15SF410	P15SF515	P15SF550	P15SF560
sub-base 1 place	sub-base 1 place 1-3-5 closed	sub-base 2 places	sub-base 2 places 1-3-5 closed	right/left supply plate G1/4	pressure separator	closing plate for unused valve place

P15SF570	P15STR01	P15STR02	P15STR05
intermediate supply plate for threaded version	modular tie rods 1 valve place (min. batch 100 pcs.)	modular tie rods 2 valve places (min. batch 100 pcs.)	modular tie rods 5 valve places (min. batch 100 pcs.)

Electrical connections

15 mm connector
AM-5109



AZ4-SN004A nr. 100 nuts M4 for tie-rods
AZ4-VN0414 nr. 100 screws M4x14 for tie-rods

P15EB

15 mm COMPACT Distributors - for sub-base mounting

- High flow rate
- Reduced dimensions
- Complete solution
- Interchangeable coil
- Single mounting and on sub-base
- Pre-assembled sub-base



TECHNICAL CHARACTERISTICS

Ambiente temperature	-5 ÷ 50 °C
Fluid temperature	Max 50 °C
Fluid	10 µm filtered air, with or without lubrication
Commutation system	spool
Ways/Positions	5/2 - 5/3 - 3/2+3/2
Pressure Max	9 bar
Control	indirect electro - pneumatic, pneumatic
Return	mechanical spring, pneumomechanical spring
Connections	G1/8
Nominal flow rate (NI/min)	800 (5/2) 720 (5/3) 720 (3/2+3/2)

CONSTRUCTIVE CHARACTERISTICS

Valve body	zamak
Seals	nitrile rubber
Sub-bases and operators	technopolymer
Spool	aluminum

ELECTRICAL CHARACTERISTICS

Electropilot	A series (15 mm) DC/AC
Coil	U05 series
Voltage	12 V DC - 24 V DC - 24 V AC - 48 V AC - 110 V AC - 230 V AC
Power consumption	2 W (DC) 2,3 VA (AC)
Protection degree	IP65
Manual override	impulse screw - 1-2 positions

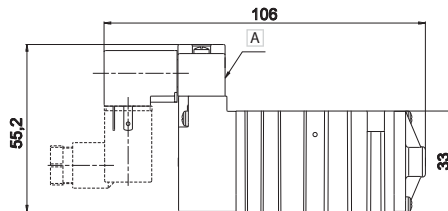
CODIFICATION KEY

P	1	5	E	B	2	5	5	2	4	
	1				2	3	4	5		6

1 Series P15EB = COMPACT valves for sub-base mounting A series electropilot (15 mm)	2 Type 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 Control 14 5 = Electrical amplified 15 mm
4 Return 12 0 = Pneumomechanical spring 1 = Mechanical spring 5 = Electrical amplified 15 mm	5 Voltage 12 = 12 V DC 48 = 48 V AC 24 = 24 V DC 11 = 110 V AC 34 = 24 V AC 23 = 230 V AC	6 Option C = 2-positions (upon request) D = External pilot supply

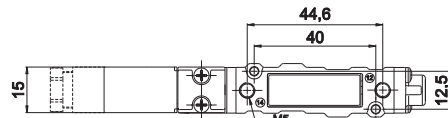
c.c. = closed centres o.c. = open centres p.c. = pressurized centres

Single electrical impulse



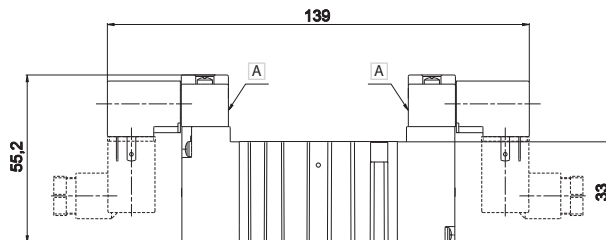
A Manual override

14 = Control
12 = Return



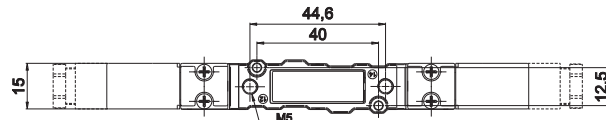
Symbol	Type	Control	Return	Pressure bar	Time (ms)		Weight Kg	Part No.
					En.	De.En.		
	5/2	electrical amplified	pneumomechanical spring	1,5÷9	15	24	0,164	P15EB250**
	5/2	electrical amplified	mechanical spring	1,9÷9	12	21	0,164	P15EB251**

Double electrical impulse



A Manual override

14 = Control
12 = Return



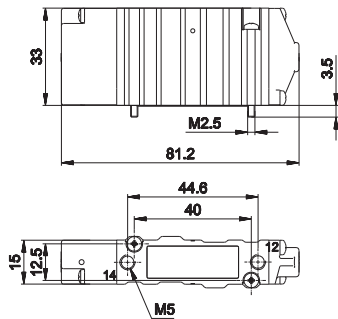
Symbol	Type	Control	Return	Pressure bar	Time (ms)		Weight Kg	Part No.
					En.	De.En.		
	5/2	electrical amplified	electrical amplified	1,5÷9	16	16	0,210	P15EB255**
	5/3 c.c.	electrical amplified	electrical amplified	1,9÷9	11	35	0,210	P15EB355**
	5/3 o.c.	electrical amplified	electrical amplified	1,9÷9	11	35	0,210	P15EB455**
	5/3 p.c.	electrical amplified	electrical amplified	1,9÷9	11	35	0,210	P15EB555**
	3/2 NC + 3/2 NC	electrical amplified	electrical amplified	1,5÷9	14	16	0,210	P15EB655**
	3/2 NC + 3/2 NO	electrical amplified	electrical amplified	1,9÷9	14	16	0,210	P15EB755**
	3/2 NO + 3/2 NO	electrical amplified	electrical amplified	1,9÷9	14	16	0,210	P15EB855**

c.c. = closed centres o.c. = open centres p.c. = pressurized centres

** = Voltage 12 V DC - 24 V DC - 24 V AC - 48 V AC - 110 V AC - 230 V AC (Example: P15EF25024)

Solenoid valves supplied with coils, without connectors

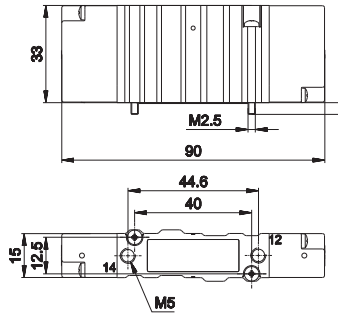
Single pneumatic impulse



14 = Control
12 = Return

Symbol	Type	Control	Return	Pressure bar	Time (ms)		Weight Kg	Part No.
					En.	De.En.		
	5/2	pneumatic amplified	pneumomechanical spring	1,9÷9	11	15	0,127	P15B230
	5/2	pneumatic amplified	mechanical spring	2÷9	10	14	0,127	P15B231

Double pneumatic impulse



14 = Control
12 = Return

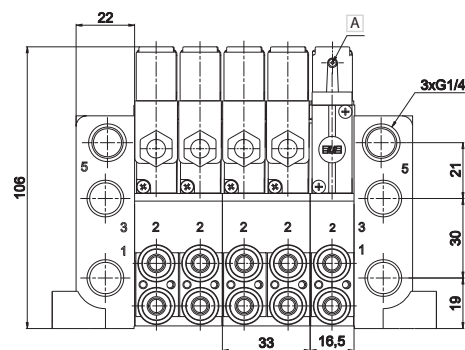
Symbol	Type	Control	Return	Pressure bar	Time (ms)		Weight Kg	Part No.
					En.	De.En.		
	5/2	pneumatic amplified	pneumatic amplified	0,7÷9	10	10	0,132	P15B233
	5/3 c.c.	pneumatic amplified	pneumatic amplified	1,6÷9	9	21	0,132	P15B333
	5/3 o.c.	pneumatic amplified	pneumatic amplified	1,6÷9	9	21	0,132	P15B433
	5/3 p.c.	pneumatic amplified	pneumatic amplified	1,6÷9	9	21	0,132	P15B533
	3/2 NC + 3/2 NC	pneumatic amplified	pneumatic amplified	1,3÷9	10	14	0,132	P15B633
	3/2 NC + 3/2 NO	pneumatic amplified	pneumatic amplified	1,3÷9	10	14	0,132	P15B733
	3/2 NO + 3/2 NO	pneumatic amplified	pneumatic amplified	1,3÷9	10	14	0,132	P15B833

c.c. = closed centres o.c. = open centres p.c. = pressurized centres

Electrical connection with external connector



- 1 = Supply port
2 - 4 = Use
3 - 5 = Exhaust
14 = Control
12 = Return
- N = Number of valve places
- A Manual override



DIN C (8 mm)
Available upon request



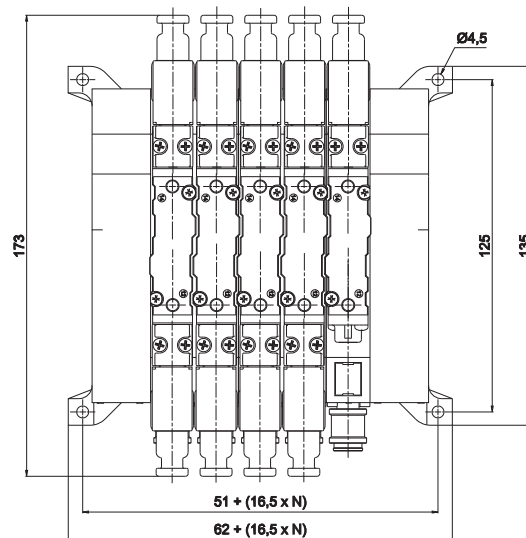
DIN rail adaptor

For further information please contact our Sales Office.

Pre-assembled sub-base



Part No.	Positions
P15SB499-02	2
P15SB499-03	3
P15SB499-04	4
P15SB499-05	5
P15SB499-06	6
P15SB499-07	7
P15SB499-08	8
P15SB499-09	9
P15SB499-10	10



Pre-assembled sub-bases include seals and screws for valve assembly

P15SB100	P15SB110	P15SB200	P15SB210	P15SB300	P15SB310	P15SB400
sub-base 1 place side outlets G1/8 integrated version	sub-base 1 place side outlets G1/8 integrated version 1-3-5 closed	sub-base 2 places side outlets G1/8	sub-base 2 places side outlets G1/8 integrated version 1-3-5 closed	sub-base 1 place side outlets for push-in fittings integrated version	sub-base 1 place side outlets for push-in fittings 1-3-5 closed	sub-base 2 places side outlets for push-in fittings integrated version
P15SB410	P15SB504	P15SB505	P15SB550	P15SB560	P15SB570	
sub-base 2 places side outlets for push-in fittings 1-3-5 closed	left supply plate G1/4	right supply plate G1/4	pressure separator	closing plate for unused valve place	intermediate supply plate for sub-base	
P15STR01	P15STR02	P15STR05	GZR-V10004/06/08	Electrical connections		
				15 mm connector AM-5109		
modular tie-rods 1 valve place (min. batch 100 pcs.)	modular tie-rods 2 valve places (min. batch 100 pcs.)	modular tie-rods 5 valve places (min. batch 100 pcs.)	straight fitting GZR-V10004 = tube Ø4 mm GZR-V10006 = tube Ø6 mm GZR-V10008 = tube Ø8 mm			

AZ4-SN004A nr. 100 nuts M4 for tie-rods
AZ4-VN0414 nr. 100 screws M4x14 for tie-rods



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