

Series 55 Tecno-FUN

General

This line of different logic functions that can be used in any place of the secondary pneumatic circuit, developed to be installed directly onto the main pneumatic components (distributors or cylinders).

Thanks to the modular design it is possible to easily join together multiple logic functions without the need of using pipes to connect them; it is also possible to choose the type and style of each connection. The connections available are the following: straight cartridge; Banjo PL cartridge; male cartridge threaded 1/8" or 1/4" and female cartridge threaded 1/8".

Function fittings can also be assembled side by side in order to be assembled on the DIN EN 50022 rail (using the relevant kit).



Other characteristics:

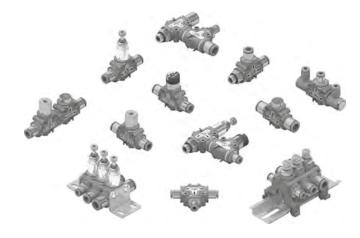
Technopolymer body Input/output connection directly integrated into the body In line or 90° connection Possibility to build a manifold -parallel mounting-Different connection options: Tube Ø4 Ø6 Ø8 (elbow version as well) G1/8" G1/4" male straight cartridge G1/8" female cartridge, in line or 90°

Different mounting options:

- Wall fixing through the holes in the bodyBy means of the fixing bracket
- Panel mounting (for those function that include such possibility)
- On DIN rail EN 50022 (using the DIN rail adapter kit)

Available functions

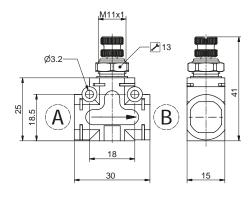
- Flow control valve
- Pressure regulator
- Block valve
- Quick exhaust valve
- OR gate
- AND gate
- Pressure gauge
- Progressive start-up valve
- Pressure regulator + pressure gauge
- Block valve + Flow control valve
- Block valve + quick exhaust valve





Flow regulator

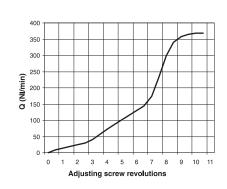




Codi	ng: 551.11 ①.②.③ .XX		
	TYPE		
0	1 = Unidirectional		
	2 = Bidirectional		
A	CONNECTION A		
	SEE CONNECTIONS LIST		
B	CONNECTION B		
•	SEE CONNECTIONS LIST		
	CONNECTIONS LIST		
	00 = None		
	D4 = StraightØ4		
	D6 = StraightØ6		
	D8 = StraightØ8		
	L1 = Female banjo G1/8"		
	G4= Rotating banjo Ø 4		
	G6= Rotating banjo Ø 6 G8= Rotating banjo Ø 8		
	M1 = G1/8" male		
	M2 = G1/4" male		
	F1 = G1/8" female		

Flow control valve unidirectional, CONNECTIONS "A" and "B" Tube Ø6 NOTE: For the dimension including cartridges see page Accessories - Function fittings

Piloting curves





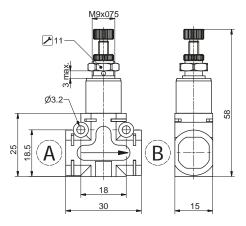
- The flow control valve is normally used to regulate the air flow and, as a consequence, for example, the speed of a cylinder. Two types of flow control valves are available: unidirectional and bidirectional. In the unidirectional valve the flow is regulated only in one direction while is free to move in the opposite direction; in the bidirectional valve the flow is regulated in both directions.

- Panel mounting using the lock nut supplied as standard
 on DIN rail using the relevant adaptor kit (see accessories)
 With 90° bracket (see accessories)
 directly on the support plate thanks to two through holes on the body

Technical characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Working ports size	See CONNECTIONS LIST	
Max working pressure (bar)	10	
Orifice size (mm)	Ø3	
Free exhaust flow rate in the opposite side of the regulation	800 (for unidirectional version)	
Temperature °C	-5 ÷ +50	
Weight (g)	26	

In line pressure regulator





TYPE 2 = 0-2 bar O 4 = 0-4 bar $8 = 0.8 \, \text{bar}$ CONNECTION A SEE CONNECTIONS LIST **CONNECTION B** SEE CONNECTIONS LIST **CONNECTIONS LIST** 00 = NoneD4 = Straight Ø4 D6 = StraightØ6 D8 = StraightØ8 L1 = Female banjo G1/8" G4= Rotating banjo Ø 4 G6= Rotating banjo Ø 6 G8= Rotating banjo Ø8 М1 G1/8" male M2 = G1/4" male

F1 = G1/8" female

551.12**①**.**②**.**③**.XX

Coding:

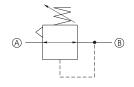
Example: 551.128.D8.D8.XX

In line pressure regulator, pressure range (bar) 0-8 bar. Connections "A" and "B" Tube Ø6 NOTE: For the dimension including cartridges see page Accessories - Function fittings

Construction characteristics

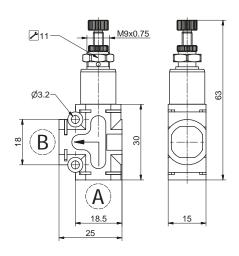
- The pressure regulator is a device which is used to reduce, regulate and stabilize the air pressure in a conduit in order to adapt it to the needs of the equipments to be supplied. The pressure regulator incorporates the relieving function.
- Panel mounting using the lock nut supplied as standard
- on DIN rail using the relevant adaptor kit (see accessories) With 90° bracket (see accessories)
- directly on the support plate thanks to two through holes on the body

Technical characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Working ports size	See CONNECTIONS LIST	
Max working pressure (bar)	10	
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	180	
Pressure range (bar)	0÷2/0÷4/0÷8	
Temperature °C	-5 ÷ +50	
Weight (g)	31	



90° pressure regulator





551.22**①**.**②**.**③**.XX

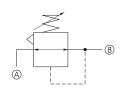
TYPE 2 = 0-4 bar 4 = 0-2 bar 8 = 0-8 bar CONNECTION A SEE CONNECTIONS LIST CONNECTIONS LIST CONNECTIONS LIST OO = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo G1/8* G4 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8		5	
# = 0-2 bar # = 0-8 bar CONNECTION A SEE CONNECTIONS LIST CONNECTIONS LIST CONNECTIONS LIST O0 = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo Ø1/8* G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8		TYPE	
4 = 0-2 bar 8 = 0-8 bar CONNECTION A SEE CONNECTIONS LIST CONNECTIONS LIST CONNECTIONS LIST CONNECTIONS LIST 00 = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo G1/8" G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8		2 = 0-4 bar	
CONNECTION A SEE CONNECTIONS LIST CONNECTIONS LIST CONNECTIONS LIST CONNECTIONS LIST OO = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo G1/8* G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8	U	4 = 0-2 bar	
SEE CONNECTIONS LIST CONNECTION B SEE CONNECTIONS LIST CONNECTIONS LIST 00 = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo G1/8" G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8		8 = 0-8 bar	
GONNECTIONS LIST CONNECTIONS LIST CONNECTIONS LIST OO = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo G1/8" G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8		CONNECTION A	
SEE CONNECTIONS LIST		SEE CONNECTIONS LIST	
SEE CONNECTIONS LIST		CONNECTION B	
00 = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo G1/8" G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8	9	SEE CONNECTIONS LIST	
D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo G1/8" G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8		CONNECTIONS LIST	
D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo G1/8" G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8		00 = None	
D8 = Straight Ø8 L1 = Female banjo G1/8* G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8		D4 = StraightØ4	
L1 = Female banjo G1/8" G4= Rotating banjo Ø 4 G6= Rotating banjo Ø 6 G8= Rotating banjo Ø 8		D6 = Straight Ø6	
G4= Rotating banjo Ø 4 G6= Rotating banjo Ø 6 G8= Rotating banjo Ø 8		D8 = StraightØ8	
G6= Rotating banjo Ø 6 G8= Rotating banjo Ø 8		L1 = Female banjo G1/8"	
G8= Rotating banjo Ø 8		G4= Rotating banjo Ø 4	
		G6= Rotating banjo Ø 6	
04/01		G8= Rotating banjo Ø 8	
M1 = G1/8" male		M1 = G1/8" male	
M2 = G1/4" male		M2 = G1/4" male	
F1 = G1/8"female		F1 = G1/8" female	

Example: 551.224.M1.D6.XX

90° pressure regulator, pressure range (bar) 0 - 4 bar. Connections "A" Male G1/8 and "B" Tube Ø6 NOTE: For the dimension including cartridges see page Accessories - Function fittings

- The pressure regulator is a device which is used to reduce, regulate and stabilize the air pressure in a conduit in order to adapt it to the needs of the equipments to be supplied. The pressure regulator incorporates the relieving function.
- Panel mounting using the lock nut supplied as standard on DIN rail using the relevant adaptor kit (see accessories)
- With 90° bracket (see accessories)
- directly on the support plate thanks to two through holes on the body

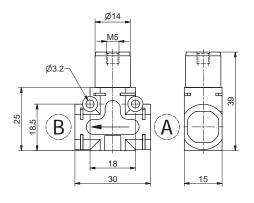
Technical characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Working ports size	See CONNECTIONS LIST	
Max working pressure (bar)	10	
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	180	
Pressure range (bar)	0÷2/0÷4/0÷8	
Temperature °C	-5 ÷ +50	
Weight (g)	31	





Blocking valve



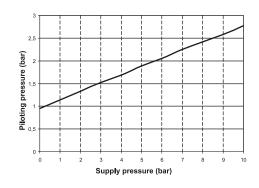


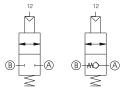
Codi	ing: 551.13 ① . ② . ③ .XX		
	TYPE		
•	1 = Unidirectional		
	2 = Bidirectional		
A	CONNECTION A		
	SEE CONNECTIONS LIST		
В	CONNECTION B SEE CONNECTIONS LIST		
О			
	CONNECTIONS LIST		
	00 = None		
	D4 = StraightØ4		
	D6 = StraightØ6		
	D8 = StraightØ8		
	L1 = Female banjo G1/8"		
	G4= Rotating banjo Ø 4		
	G6= Rotating banjo Ø 6 G8= Rotating banjo Ø 8		
	M1 = G1/8" male		
	M2 = G1/4" male		
	F1 = G1/8"female		

Example: 551.131.D4.D4.XX

In line blocking valve, unidirectional. Connections "A" and "B" Tube Ø4 NOTE: For the dimension including cartridges see page Accessories - Function fittings

Piloting curves





- The blocking valve function is to maintain the circuit downstream pressure in the event of loss of supply pressure. It is normally fitted directly onto the cylinder connections ports in order to ensure that, in case of accidental loss of the supply pressure, the units positions is maintained. This is achieved as the blocking valve preserves the pressure inside the pressurised chamber. Blocking valves can be unidirectional or bidirectional.
- valves can be unidirectional of bidirectional.

 In the unidirectional version the air flow is free in one direction while in order to allow the flow in the opposite direction is necessary to send a pneumatic signal to the unit connection 12.

 The bidirectional version requires a pneumatic signal on connection 12 to allow the flow in any of the two directions.

 on DIN rail using the relevant adaptor kit (see accessories)

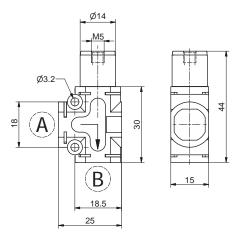
- With 90° bracket (see accessories)
 directly on the support plate thanks to two through holes on the body

Technical characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Working ports size	See CONNECTIONS LIST	
Max working pressure (bar)	0,5 ÷ 10	
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	285	
Flow rate at 6 bar with free exhaust (NI/min)	450	
Temperature °C	-5 ÷ +50	
Weight (g)	26	



90° blocking valve





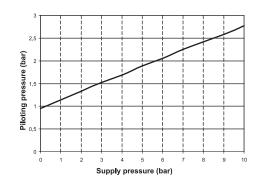
TYPE Ū 1 = Unidirectional 2 = Bidirectional CONNECTION A A SEE CONNECTIONS LIST CONNECTION B ₿ SEE CONNECTIONS LIST CONNECTIONS LIST 00 = None $\mathbf{D4} = \operatorname{Straight} \emptyset 4$ D6 = StraightØ6 D8 = StraightØ8 L1 = Female banjo G1/8" G4 = Rotating banjo Ø 4 G6= Rotating banjo Ø 6 G8 = Rotating banjo Ø 8 M1 = G1/8" male М2 G1/4" male F1 = G1/8" female

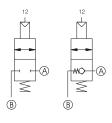
551.23**①**.**②**.**③**.XX

Coding:

Example: 551.231.D6.M1.XX 90° blocking valve. Connections "A" Male G1/8 and "B" Tube \emptyset 6 NOTE: For the dimension including cartridges see page Accessories - Function fittings

Piloting curves





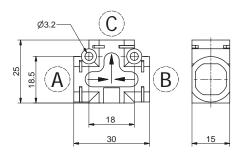
- $The \ blocking \ valve \ function \ is \ to \ maintain \ the \ circuit \ downstream \ pressure \ in \ the \ event \ of \ loss \ of$ supply pressure. It is normally fitted directly onto the cylinder connections ports in order to ensure that, in case of accidental loss of the supply pressure, the units positions is maintained. This is achieved as the blocking valve preserves the pressure inside the pressurised chamber.
- Unidirectional and bidirectional version are both available.
- In the unidirectional version the $\,$ air flow is free in one direction while in order to allow the flow in the opposite direction is necessary to send a pneumatic signal to the unit connection 12.
- The bidirectional version requires a pneumatic signal on connection 12 to allow the flow in any of the two directions.
- on DIN rail using the relevant adaptor kit (see accessories)
- With 90° bracket (see accessories) directly on the support plate thanks to two through holes on the body

Technical characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Working ports size	See CONNECTIONS LIST	
Max working pressure (bar)	0,5 ÷ 10	
Flow rate at 6 bar with Δp=1 (NI/min)	285	
Flow rate at 6 bar with free exhaust (NI/min)	450	
Temperature °C	-5 ÷ +50	
Weight (g)	26	



Circuit selector valve - OR





Coding: 551.141. **A.B.** CONNECTION A SEE CONNECTIONS LIST CONNECTION B B SEE CONNECTIONS LIST CONNECTION C 0 SEE CONNECTIONS LIST CONNECTIONS LIST **00** = None D4 = Straight Ø4 D6 = StraightØ6 D8 = StraightØ8 L1 = Female banjo G1/8" G4= Rotating banjo Ø 4 G6= Rotating banjo Ø 6 G8 = Rotating banjo Ø 8 M1 G1/8" male M2 = G1/4" male F1 = G1/8" female

Example: 551.141.D8.D8.D8

Circuit selector valve - OR. Connections "A". "B" and "C" Tube Ø8

NOTE: For the dimension including cartridges see page Accessories - Function fittings

Construction characteristics

- These valves have two inlets and one output connection and are normally called high pressure selector valves as, when receiving two separate pressure supply, only allow the passage of the highest pressure. The most common application is to operate a component from two separate positions.
 on DIN rail using the relevant adaptor kit (see accessories)
- With 90° bracket (see accessories)
- directly on the support plate thanks to two through holes on the body

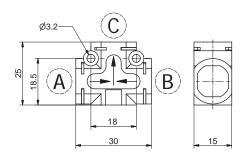
Technical characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Working ports size	See CONNECTIONS LIST	
Max working pressure (bar)	10	
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	600	
Temperature °C	-5 ÷ +50	
Weight (g)	10	



Coding:

Circuit selector valve - AND





CONNECTION A A SEE CONNECTIONS LIST CONNECTION B ₿ SEE CONNECTIONS LIST CONNECTION C SEE CONNECTIONS LIST

551.151.**△**.**❸**.**⊘**

CONNECTIONS LIST 00 = None D4 = Straight Ø4 D6 = StraightØ6 D8 = StraightØ8 L1 = Female banjo G1/8" G4= Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8 М1 G1/8" male М2 = G1/4" male

F1 = G1/8" female

Example: 551.151.D6.D6.D6

Circuit selector valve AND. Connections "A", "B" and "C" Tube Ø6

 ${\tt NOTE:} For the \ dimension\ including\ cartridges\ see\ page\ Accessories\ -\ Function\ fittings$

- These valves have two inlets and one output connection and are normally called low pressure selector valves as, when receiving two separate pressure supply, only allow the passage of the lowest pressure. The most common application is to operate a component from two separate
- on DIN rail using the relevant adaptor kit (see accessories)
- With 90° bracket (see accessories)
 directly on the support plate thanks to two through holes on the body

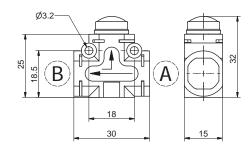
Technical characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Working ports size	See CONNECTIONS LIST	
Max working pressure (bar)	10	
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	550	
Temperature °C	-5 ÷ +50	
Weight (g)	10	





Quick exhaust valve





Coding: 551.161. (A.B. XX)

A	CONNECTION A			
A	SEE CONNECTIONS LIST			
ß	CONNECTION B			
U	SEE CONNECTIONS LIST			
	CONNECTIONS LIST			
	00 = None			
	D4 = Straight Ø4			
	D6 = StraightØ6			
	D8 = StraightØ8			
	L1 = Female banjo G1/8"			
	G4= Rotating banjo Ø 4			
	G6= Rotating banjo Ø 6			
	G8= Rotating banjo Ø8			
	M1 = G1/8" male			
	M2 = G1/4" male			
	F1 = G1/8" female			

Example: 551.161.D8.D8.XX

Quick exhaust valve. Connections "A" and "B" Tube Ø6

NOTE: For the dimension including cartridges see page Accessories - Function fittings

Construction characteristics

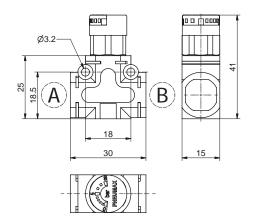
- These are 3 ways, two positions valves which can be directly mounted onto the actuator or between the actuator and the control valve. Their function is to discharge the air directly into the atmosphere without going through the pneumatic circuit enabling the actuator to reach the maximum speed.
- on DIN rail using the relevant adaptor kit (see accessories) With 90° bracket (see accessories)
- With 90° bracket (see accessories) directly on the support plate thanks to two through holes on the body

Technical characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Working ports size	See CONNECTIONS LIST	
Max working pressure (bar)	10	
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	250	
Flow rate at 6 bar with free exhaust (NI/min)	500	
Temperature °C	-5 ÷ +50	
Weight (g)	15	



Pressure indicator





Coding: 551.178.**A**.**B**.XX

A	CONNECTION A	
•	SEE CONNECTIONS LIST	
B	CONNECTION B	
U	SEE CONNECTIONS LIST	
	CONNECTIONS LIST	
	00 = None	
	D4 = Straight Ø4	
	D6 = StraightØ6	
	D8 = StraightØ8	
	L1 = Female banjo G1/8"	
	G4= Rotating banjo Ø 4	
	G6= Rotating banjo Ø 6	
	G8= Rotating banjo Ø8	
	M1 = G1/8" male	
	M2 = G1/4" male	
	F1 = G1/8" female	

Example: 551.178.D6.D4.XX

Pressure indicator. Connections "A" Tube Ø6, "B" Tube Ø4

 ${\tt NOTE:} For the \ dimension\ including\ cartridges\ see\ page\ Accessories\ -\ Function\ fittings$

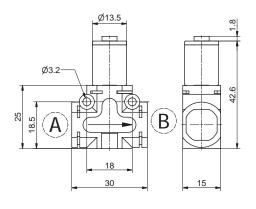
- The pressure visual indicator is a device which measures the pressure inside a pneumatic circuit. The 0 to 8 bar visual indicator makes very easy to monitor the pressure state inside the circuit. It can be use on its own or can be coupled with another device. It can be use on its own or can be coupled with another device.
- on DIN rail using the relevant adaptor kit (see accessories)
- With 90° bracket (see accessories)
 directly on the support plate thanks to two through holes on the body

Technical characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Working ports size	See CONNECTIONS LIST	
Max working pressure (bar)	8	
Visualization scale (bar)	0 ÷ 8	
Temperature °C	-5 ÷ +50	
Weight (g)	20.5	



In line progressive start-up valve





Coding: 551.181. (A.B.XX) CONNECTION A SEE CONNECTIONS LIST CONNECTION B B SEE CONNECTIONS LIST CONNECTIONS LIST **00** = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = StraightØ8 L1 = Female banjo G1/8" G4= Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8= Rotating banjo Ø 8 М1 G1/8" male G1/4" male F1 = G1/8" female

Example: 551.181.D6.D4.XX

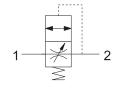
In line progressive start-up valve. Connections "A" Tube Ø6, "B" Tube Ø4 NOTE: For the dimension including cartridges see page Accessories - Function fittings

Construction characteristics

- The soft start valve is a device designed to gradually pressurise the downstream
- circuit until 50% of the upstream pressure value is reached.
 Once the 50% of the upstream pressure value is reached in the down stream circuit the valve fully opens allowing full air passage.
- The filling time can be adjusted thanks to the built in flow regulator.

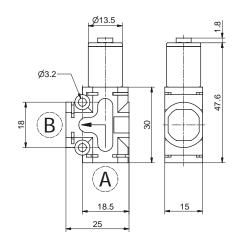
 This device is used in order to ensure that during the pneumatic circuit start up the cylinders will return to theirs home position slowly avoiding collisions of sudden movements.

Technical characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Working ports size	See CONNECTIONS LIST	
Opening pressure (Pa)	50% of the inlet pressure (Pi)	
Flow rate at 6 bar with free exhaust (NI/min) from 1 to 2 with opening ciruit	350	
Flow rate at 6 bar with $\Delta p = 1$ from 1 to 2 with opening ciruit	600	
Flow rate at 6 bar with $\Delta p=1$ from 2 to 1 with opening pin	650	
Temperature °C	-5 ÷ +50	
Weight (g)	31	



90° progressive start-up valve





Codi	ing: 551.281. A.B .XX
A	CONNECTION A
	SEE CONNECTIONS LIST
₿	CONNECTION B
•	SEE CONNECTIONS LIST
	CONNECTIONS LIST
	00 = None
	D4 = Straight Ø4
	D6 = Straight Ø6
	D8 = StraightØ8
	L1 = Female banjo G1/8"
•	G4= Rotating banjo Ø 4
	G6= Rotating banjo Ø 6
	G8= Rotating banjo Ø8
	M1 = G1/8" male
	M2 = G1/4" male
	F1 = G1/8" female

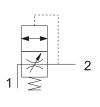
Example: 551.281.M1.D4.XX

90° progressive start-up valve. connections "A" Male G1/8", "B" Tube Ø4

 ${\tt NOTE:} For the \ dimension\ including\ cartridges\ see\ page\ Accessories\ -\ Function\ fittings$

- The soft start valve is a device designed to gradually pressurise the downstream
- circuit until 50% of the upstream pressure value is reached.
 Once the 50% of the upstream pressure value is reached in the down stream circuit the valve fully opens allowing full air passage.
- The filling time can be adjusted thanks to the built in flow regulator.
 This device is used in order to ensure that during the pneumatic circuit start up the cylinders will return to theirs home position slowly avoiding collisions or sudden movements.

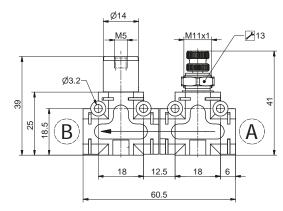
	Technical	characteristics
m	Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
	Working ports size	See CONNECTIONS LIST
	Opening pressure (Pa)	50% of the inlet pressure (Pi)
	Flow rate at 6 bar with free exhaust (NI/min) from 1 to 2 with opening ciruit	350
	Flow rate at 6 bar with $\Delta p=1$ from 1 to 2 with opening ciruit	600
	Flow rate at 6 bar with $\Delta p=1$ from 2 to 1 with opening pin	650
	Temperature °C	-5 ÷ +50
	Weight (g)	31





In line blocking valve with flow control valve





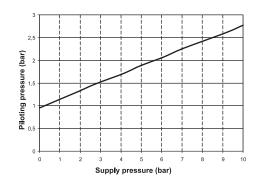
551.1F**①**.**②**.**③**.XX Coding:

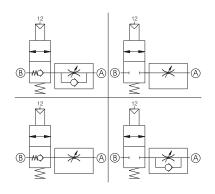
TYPE

1 = Unidirectional blocking valve + Unidirectional flow control valve 2 = Bidirectional flow control valve + Bidirectional blocking valve + Unidirectional flow control valve 4 = Bidirectional blocking valve + Unidirectional flow control valve CONNECTION A SEE CONNECTIONS LIST CONNECTION B SEE CONNECTIONS LIST CONNECTIONS LIST OO = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo G1/8* G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8 M1 = G1/8* male M2 = G1/4* male F1 = G1/8* female		TYPE	
2 = Bidirectional blocking valve + Bidirectional flow control valve 3 = Unidirectional blocking valve + Bidirectional flow control valve 4 = Bidirectional blocking valve + Unidirectional blocking valve + Unidirectional flow control valve CONNECTION A SEE CONNECTIONS LIST CONNECTIONS LIST CONNECTIONS LIST 00 = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo Ø1/8* G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 8 M1 = G1/8*male M2 = G1/4*male		1 = Unidirectional blocking valve	
Bidirectional flow control valve 3 = Unidirectional blocking valve + Bidirectional blocking valve + Unidirectional flow control valve 4 = Bidirectional blocking valve + Unidirectional flow control valve CONNECTION A SEE CONNECTIONS LIST CONNECTIONS LIST CONNECTIONS LIST 00 = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo Ø1/8* G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 8 M1 = G1/8*male M2 = G1/4*male		+ Unidirectional flow control valve	
3 = Unidirectional blocking valve + Bidirectional flow control valve 4 = Bidirectional flow control valve CONNECTION A SEE CONNECTIONS LIST CONNECTIONS LIST CONNECTIONS LIST OO = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo Ø1/8" G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 8 M1 = G1/8" male M2 = G1/4" male		2 = Bidirectional blocking valve +	
+ Bidirectional flow control valve 4 = Bidirectional blocking valve + Unidirectional flow control valve CONNECTION A SEE CONNECTIONS LIST CONNECTIONS LIST CONNECTIONS LIST OO = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo Ø1/8* G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 8 M1 = G1/8*male M2 = G1/4*male	0	Bidirectional flow control valve	
4 = Bidirectional blocking valve + Unidirectional flow control valve CONNECTION A SEE CONNECTIONS LIST CONNECTIONS LIST CONNECTIONS LIST OO = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo Ø1/8* G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8 M1 = G1/8*male M2 = G1/4*male		3 = Unidirectional blocking valve	
Unidirectional flow control valve CONNECTION A SEE CONNECTIONS LIST CONNECTIONS LIST CONNECTIONS LIST OO = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo Ø4 G6 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 8 M1 = G1/8" male M2 = G1/4" male		+ Bidirectional flow control valve	
CONNECTION A SEE CONNECTIONS LIST CONNECTION B SEE CONNECTIONS LIST CONNECTIONS LIST OO = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo Ø1/8* G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8 M1 = G1/8* male M2 = G1/4* male		4 = Bidirectional blocking valve +	
SEE CONNECTIONS LIST		Unidirectional flow control valve	
SEE CONNECTIONS LIST	Δ	CONNECTION A	
SEE CONNECTIONS LIST	•	SEE CONNECTIONS LIST	
SEE CONNECTIONS LIST CONNECTIONS LIST 00 = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo G1/8* G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8 M1 = G1/8* male M2 = G1/4* male	B	CONNECTION B	
00 = None D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo Ø1/8* G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 8 M1 = G1/8*male M2 = G1/4*male	_	SEE CONNECTIONS LIST	
D4 = Straight Ø4 D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo G1/8* G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8 M1 = G1/8* male M2 = G1/4* male		CONNECTIONS LIST	
D6 = Straight Ø6 D8 = Straight Ø8 L1 = Female banjo G1/8* G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8 M1 = G1/8* male M2 = G1/4* male		00 = None	
D8 = Straight Ø8 L1 = Female banjo G1/8* G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8 M1 = G1/8* male M2 = G1/4* male		D4 = StraightØ4	
L1 = Female banjo G1/8* G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8 M1 = G1/8* male M2 = G1/4* male		D6 = StraightØ6	
G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8 M1 = G1/8* male M2 = G1/4* male		D8 = StraightØ8	
G6 = Rotating banjo Ø 6 G8 = Rotating banjo Ø 8 M1 = G1/8" male M2 = G1/4" male		L1 = Female banjo G1/8"	
G8= Rotating banjo Ø 8 M1 = G1/8" male M2 = G1/4" male		G4= Rotating banjo Ø4	
M1 = G1/8" male M2 = G1/4" male		G6= Rotating banjo Ø 6	
M2 = G1/4" male		G8= Rotating banjo Ø8	
, , ,			
F1 = G1/8" female			
		F1 = G1/8" female	

In line blocking valve + flow control valve. Without connections "A" and "B" NOTE: For the dimension including cartridges see page Accessories - Function fittings

Piloting curves





- The combination of this two functions ensures that the downstream pressure is maintained in case of The combination of this two functions ensures that the downstream pressure is maintained in case of accidental loss of supply pressure and at the same time grants the possibility to regulate the circuit flow rate. A typical application of this combination is close to or directly assembled onto the actuator connection ports. This allows to keep pressurised the cylinder chamber in case of accidental loss of supply pressure and to regulate the exhaust flow rate when the blocking valve is actuated. The possible combinations are the following:

 Unidirectional blocking valve + bidirectional flow control valve

 Bidirectional blocking valve + bidirectional flow control valve

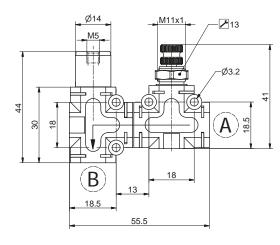
 Bidirectional blocking valve + unidirectional flow control valve

- Unidirectional blocking valve + bidirectional flow control valve

Technical characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Working ports size	See CONNECTIONS LIST	
Max working pressure (bar)	0,5 ÷ 10	
Flow rate at 6 bar with Δp=1 (NI/min)	285	
Orifice size (mm)	Ø3	
Temperature °C	-5 ÷ +50	
Weight (g)	62	

90° blocking valve + flow control valve





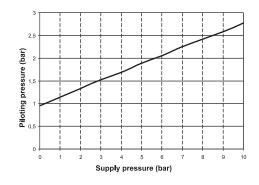
551.2F**①**.**④**.**B**.XX Coding:

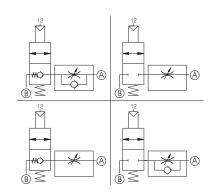
	TYPE		
	1 = 90° Unidirectional blocking		
	valve + Unidirectional flow control		
	valve		
	2 = 90° Bidirectional blocking		
	valve + Bidirectional flow control		
•	valve		
	3 = 90° Unidirectional blocking		
	valve + Bidirectional flow control		
	valve		
	4 = 90° Bidirectional blocking		
	valve + Unidirectional flow control		
	valve		
A	CONNECTION A		
_	SEE CONNECTIONS LIST		
B	CONNECTION B		
	SEE CONNECTIONS LIST		
	CONNECTIONS LIST		
	00 = None		
	D4 = StraightØ4		
	D6 = StraightØ6		
	D8 = StraightØ8		
	L1 = Female banjo G1/8"		
	G4 = Rotating banjo Ø 4 G6 = Rotating banjo Ø 6		
	G8= Rotating banjo Ø8		
	M1 = G1/8" male		
	M2 = G1/4" male		
	F1 = G1/8" female		

Example: 5512F1.00.00.XX

90° blocking valve + flow control valve. Without connections "A" and "B" NOTE: For the dimension including cartridges see page Accessories - Function fittings

Piloting curves





- The combination of this two functions ensures that the downstream pressure is maintained in case of accidental loss of supply pressure and at the same time grants the possibility to regulate the circuit flow rate. A typical application of this combination is close to or directly assembled onto the actuator connection ports. This allows to keep pressurised the cylinder chamber in case of accidental loss of
- connection poins. Inits allows to keep pressurised the cylinder chamber in case of accider supply pressure and to regulate the exhaust flow rate when the blocking valve is actuated.

 The possible combinations are the following:

 90° Unidirectional blocking valve + Unidirectional flow control valve

 90° Bidirectional blocking valve + Bidirectional flow control valve

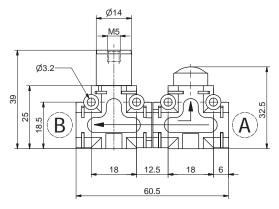
 90° Bidirectional blocking valve + Unidirectional flow control valve
- 90° Unidirectional blocking valve + Bidirectional flow control valve

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Working ports size	See CONNECTIONS LIST
Max working pressure (bar)	0,5 ÷ 10
Flow rate at 6 bar with $\Delta p=1$ (NI/min) 285
Orifice size (mm)	Ø3
Temperature °C	-5 ÷ +50
Weight (g)	62



In line blocking valve + quick exhaust valve



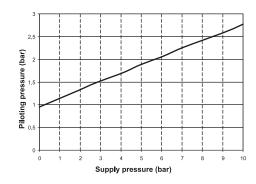


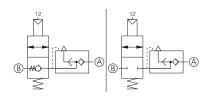
551.1G**①**.**②**.**③**.XX Coding:

	TYPE	
	1 = Unidirectional blocking valve	
0	+ quick exhaust valve	
	2 = Bidirectional blocking valve +	
	quick exhaust valve	
A	CONNECTION A	
•	SEE CONNECTIONS LIST	
₿	CONNECTION B	
U	SEE CONNECTIONS LIST	
	CONNECTIONS LIST	
	00 = None	
	D4 = Straight Ø4	
	D6 = StraightØ6	
	D8 = StraightØ8	
	L1 = Female banjo G1/8"	
	G4= Rotating banjo Ø 4	
	G6= Rotating banjo Ø 6	
	G8= Rotating banjo Ø 8 M1 = G1/8" male	
	M2 = G1/4" male	
	F1 = G1/8" female	

In line blocking valve + quick exhaust valve. Without connections "A" and "B" NOTE: For the dimension including cartridges see page Accessories - Function fittings

Piloting curves





- The combination of this two functions ensures that the downstream pressure is maintained in case of accidental loss of supply pressure and at the same time allows for the air to be directly discharged into the atmosphere without going through the pneumatic circuit. A typical application of this combination is close to or directly assembled onto the actuator connection ports. This allows to keep pressurised the cylinder chamber in case of accidental loss of supply pressure and to quickly discharge the same chamber when the blocking valve is actuated.
- The possible combinations are the following:
 Unidirectional blocking valve + quick exhaust valve
 Bidirectional blocking valve + quick exhaust valve

Technical characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Working ports size	See CONNECTIONS LIST
Max working pressure (bar)	0.5 ÷ 10
Flow rate at 6 bar with Δp=1 (NI/min)	285
Temperature °C	-5 ÷ +50
Weight (g)	51

Coding:

М1

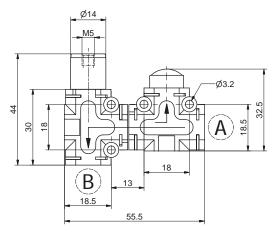
M2

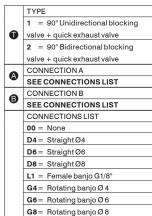
F1 = G1/8" female

551.2GT.A.B.XX

90° blocking valve + quick exhaust valve





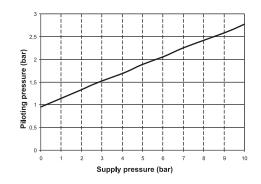


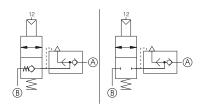
G1/8" male

G1/4" male

90° bidirectional blocking valve + quick exhaust valve. Without connections "A" and "B" NOTE: For the dimension including cartridges see page Accessories - Function fittings

Piloting curves



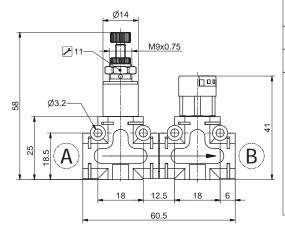


- The combination of this two functions ensures that the downstream pressure is maintained in case of accidental loss of supply pressure and at the same time allows for the air to be directly discharged into the atmosphere without going through the pneumatic circuit. A typical application of this combination is close to or directly assembled onto the actuator connection ports. This allows to keep pressurised the cylinder chamber in case of accidental loss of supply pressure and to quickly discharge the same chamber when the blocking valve is actuated.
- The possible combinations are the following:
 90° Unidirectional blocking valve + quick exhaust valve
 90° Bidirectional blocking valve + quick exhaust valve

Technical characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Working ports size	See CONNECTIONS LIST	
Max working pressure (bar)	0,5 ÷ 10	
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	285	
Temperature °C	-5 ÷ +50	
Weight (g)	51	

In line pressure regulator + pressure indicator





TYPE 2 = 0-2 bar O 4 = 0-4 bar $8 = 0.8 \, \text{bar}$ CONNECTION A SEE CONNECTIONS LIST **CONNECTION B** SEE CONNECTIONS LIST **CONNECTIONS LIST** 00 = NoneD4 = Straight Ø4 D6 = Straight Ø6 D8 = StraightØ8 L1 = Female banjo G1/8" G4= Rotating banjo Ø 4 G6= Rotating banjo Ø 6 G8= Rotating banjo Ø8 М1 G1/8" male M2 = G1/4" male

551.1H**①**.**②**.**③**.XX

Coding:

Example: 551.1H2.M1.D4.XX

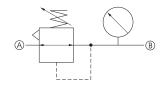
In line pressure regulator, adjusting range 0 - 2 bar + pressure indicator. Connections "A" Male G 1/8 and "B" Tube Ø4 NOTE: For the dimension including cartridges see page Accessories - Function fittings

Construction characteristics

- The combination of this two functions ensures the possibility to regulate the $downstream\ pressure\ while\ directly\ visualising\ the\ adjusted\ pressure$
- The possible combinations are the following:

- O to 2 bar pressure regulator + pressure visual indicator
 O to 4 bar pressure regulator + pressure visual indicator
 O to 8 bar pressure regulator + pressure visual indicator
 The visual indicator Pressure range (bar) is always 0 to 8 bar

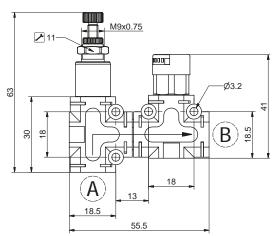
Technical characteristics				
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous			
Working ports size	See CONNECTIONS LIST			
Max working pressure (bar)	8			
Visualization scale (bar)	0 ÷ 8			
	0 ÷ 2			
Pressure range (bar)	0 ÷ 4			
	0 ÷ 8			
Temperature °C	-5 ÷ +50			
Weight (g)	62			



F1 = G1/8" female

90° pressure regulator + pressure indicator





551.2H **1**.**4**.**8**.XX Coding:

	TYPE
0	2 = 0-2 bar
U	4 = 0-4 bar
	8 = 0-8 bar
A	CONNECTION A
	SEE CONNECTIONS LIST
в	CONNECTION B
U	SEE CONNECTIONS LIST
	CONNECTIONS LIST
	00 = None
	D4 = Straight Ø4
	D6 = StraightØ6
	D8 = StraightØ8
	L1 = Female banjo G1/8"
	G4= Rotating banjo Ø4
	G6= Rotating banjo Ø 6
	G8= Rotating banjo Ø8
	M1 = G1/8" male
	M2 = G1/4" male
	F1 = G1/8" female

Example: 551.2H2.M1.D4.XX

90° pressure regulator, adjusting range 0 - 2 bar + pressure indicator. Connections "A" Male G 1/8 and "B" Tube Ø4 NOTE: For the dimension including cartridges see page Accessories - Function fittings

- The combination of this two functions ensures the possibility to regulate th downstream pressure while directly visualising the adjusted pressure value.

- value.

 The possible combinations are the following:

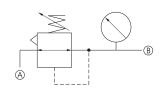
 0 to 2 bar pressure regulator + pressure visual indicator

 0 to 4 bar pressure regulator + pressure visual indicator

 0 to 8 bar pressure regulator + pressure visual indicator

 The visual indicator Pressure range (bar) is always 0 to 8 bar

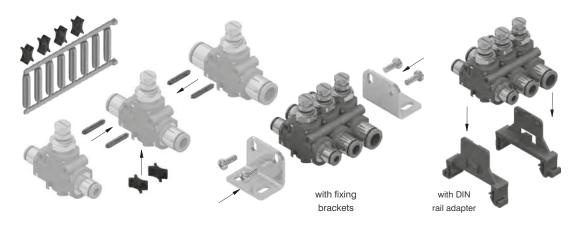
reclifical characteristics				
Filtered air. No lubrication needed, if applied it shall be continuous				
See CONNECTIONS LIST				
8				
0 ÷ 8				
0 ÷ 2 0 ÷ 4 0 ÷ 8				
-5 ÷ +50				
62				



Coding:

55160

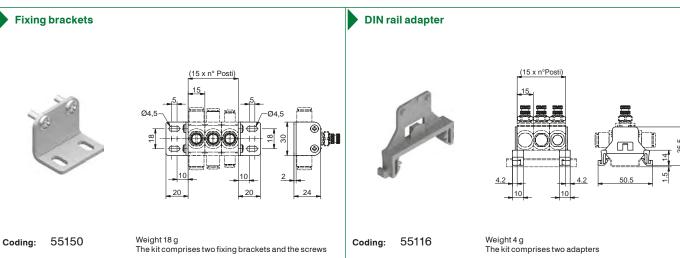
Coupling kit (pins and forks)

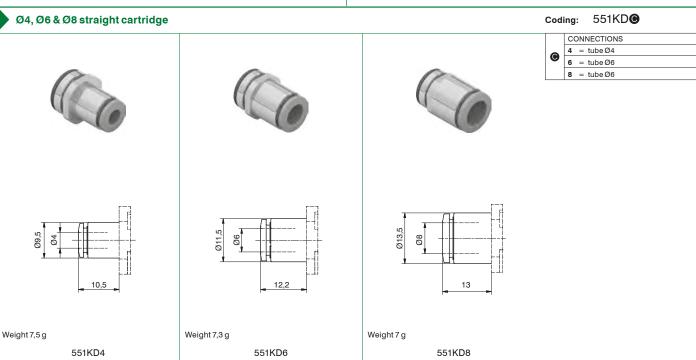


- Weight 2,5 g
 The kit, which includes a series of pins and forks, enables to join together in a fast and safe way the function fittings. The pins, once inserted in the front holes, ensure resistance against forces applied
- perpendicularly and sideway (for example the insertion of the tube in the cartridges).

 The forks, once located in the profiled housing ensures that the parts are held together tightly.

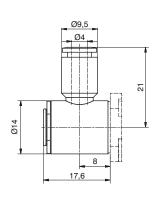
 The kit allows for 5 function fittings to be mounted together.



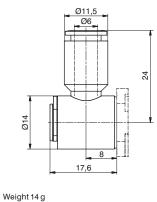


Ø4, Ø6 & Ø8 banjo PL cartridge



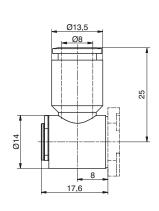


Weight 13,6 g 551KG4



551KG6





Weight 14,3 g

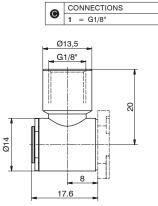
551K0

G1/8" banjo artridge



Weight 30 g

Coding: 551KL



551KL1

Connection for multiple function



Coding:

Coding: 551KG@

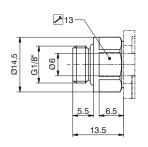
CONNECTIONS
4 = tube Ø4

6 = tube Ø6 8 = tube Ø6

(

Coding: 551KUU Weight 14 g

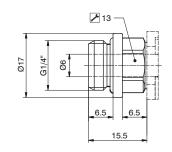
Cartridge



Weight 14 g G1/8" male straight cartridge

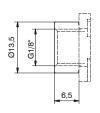
551KM1





Weight 20 g G1/4" male straight cartridge 551KM2





Weight 9 g
G1/8" female straight cartridge
551KF1

	CONNECTIONS				
	M1	=	G1/8" male straight		
	cartridge				
Θ	M2	=	G1/4" male straight		
	cartr	idge			
	F1 =	G1/8" fe	emale straight cartridge		

551K**⊚**

Series 1750-1760

General

This new type of miniaturised pressure regulators are mostly indicated for the use on the secondary level of the pneumatic circuits. Thanks to the contained dimensions are particularly indicated to be used very closely or directly mounted onto the consumption. Three versions are available.



Version rod G1/8" swivel ring with female thread G 1/8" and G 1/4" or push-in fitting for tube Ø4, Ø6 and Ø8



model with body in technopolymer integrated gauge and quick coupling fittings for tube Ø4 and Ø6.

G/1/8" model to be directly mounted onto the valve

Compact design to be directly mounted onto the valves uses standard swivel rings with G1/8" female thread (ref 41218) or quick coupling fittings for tube sizes. It is also possible to supply the regulating shaft without the swivel ring.

Model with body in technopolymer and integrated gauge

is the more complete solution, comprises a movable gauge which enables to check the regulated pressure.

Is manufactured using the same regulating unit as the base model fitted into a technopolymer body on which are inserted two quick coupling cartridges, 4mm or 6mm tube for inlet and outlet connections; two side plates lock the cartridges and gauge in position.

It is possible to join together more than one regulator by means of a dedicated adaptor made of technopolymer which must be inserted in the appropriate slot. (the air must be supplied independently to each regulator.)

Several mounting solutions are available: wall mounting via two mounting holes, on DIN rail using the specific accessories or on panels.

Mounting solutions

G/1/8" model to be directly mounted onto the valve:

Directly mounted onto the valves threaded

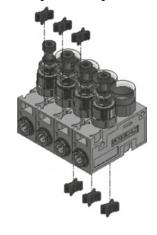
connections (consumptions)



Model with body in technopolymer and integrated gauge: Panel mounting via the locking nut



Model with body in technopolymer and integrated gauge:
Wall mounting via the mounting holes on the body



Model with body in technopolymer and integrated gauge: On DIN rail using the specific accessories



Model with body in technopolymer and integrated gauge:
Panel mounting via the locking nut

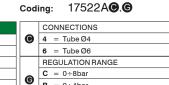




Miniaturised pressure regulators - with technopolymer body

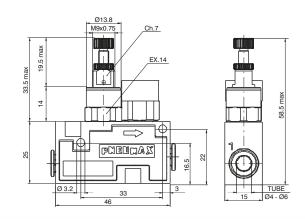
Construction characteristics Regulating cartridge = Nickel-plated brass Regulator body = Technopolymer Seals = Oil resistant nitrilic rubber (NBR) Plunger spring = AISI 302 Regulating spring = Spring suitable steel Plunger = Oil resistant nitrilic rubber (NBR) Other parts = Brass

Operational characteristics			
Max working pressure (bar)	10		
Temperature °C	-5 ÷ +50		
Flow rate at 6 bar with Δp=1 (NI/min)	120		
Working ports size	Ø4-Ø6		
Inlet connections sizes	Ø4-Ø6		
Mounting positioning	Any		



 $\mathbf{B} = 0 \div 4 \text{bar}$ $A = 0 \div 2bar$





Miniaturised pressure regulators, rod G1/8"

Construction characteristics

- Regulating cartridge = Nickel-plated brass Regulator body = Nickel-plated brass Seals = Oil resistant nitrilic rubber (NBR) Plunger spring = AISI 302

- Regulating spring = Spring suitable steel Plunger = Oil resistant nitrilic rubber (NBR) Other parts = Brass

Operational characteristics			
Max working pressure (bar)	10		
Temperature °C	-5 ÷ +50		
Flow rate at 6 bar with ∆p=1 (NI/min)	120		
Working ports size	G1/8"		
Inlet connections sizes	G1/8"-Ø4-Ø6-Ø8		
Mounting positioning	Any		

Ø13.8 M9 x 0.75 Ch7 Es.14 19.5 56.5 max. 9

17602A**A**.**G** Coding:

	SWIVELRING
	0 = None
	1 = Swivel ring G1/8" female
A	4 = Tube Ø4
	6 = Tube Ø6
	8 = Tube Ø8
	REGULATION RANGE
	C = 0÷8bar
e	B = 0÷4bar
	A = 0÷2bar



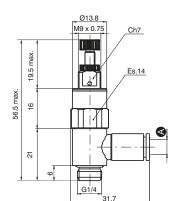
Miniaturised pressure regulators, rod G1/4"

Construction characteristics

- Regulating cartridge = Nickel-plated brass Regulator body = Nickel-plated brass Seals = Oil resistant nitrilic rubber (NBR)
- Plunger spring = AISI 302
- Regulating spring = Spring suitable steel Plunger = Oil resistant nitrilic rubber (NBR) Other parts = Brass

Operational characteristics			
Max working pressure (bar)	10		
Temperature °C	-5 ÷ +50		
Flow rate at 6 bar with ∆p=1 (NI/min)	120		
Working ports size	G1/4"		
Inlet connections sizes	G1/4"-Ø4-Ø6-Ø8		
Mounting positioning	Any		

2



17602B**A**.**©** Coding:

SWIVELRING
0 = None
1 = Swivel ring G1/4" female
6 = Tube Ø6
8 = Tube Ø8
REGULATION RANGE
C = 0÷8bar
$\mathbf{B} = 0 \div 4 \text{bar}$
$\mathbf{A} = 0 \div 2 \text{bar}$





Series Mini-RAP

Technical data

Working temperature: -20°C +70°C

Maximum working pressure: 10 bar
Fluid: Compressed air (others fluids on requests)
Nichel-plated brass body, Brass grip, Silicone free NBR gaskets

Thread: Cylindrical with O-Ring Maximum fixing torque for fittings

Thread: M3: 0,4 Nm

Thread: M6 and M6x0,75: 1,3 Nm

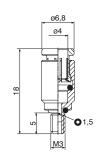
Main characteristics

- Can be inserted and extracted with one hand
- Suitable for tube Rilsan, Polyurethane, Nylon, Polyethylene
- 3. Supercompact
- 4.
- Extremely lightweight yet sturdy
 O-Ring provided with his own seat to ensure seal with polished surface 5.
- 6. Suitable for vacuum applicatio



RDR Straight male adaptor (parallel)





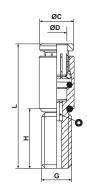
RDR3.40-MH05

RDR3.40-MH05

Coding:

RDR Straight male adaptor (parallel)





CODE	ØD	G	ØС	Н	L	0
RDR6.40-MH12	4	M6	6,8	12	25	2
RDR6.40-FH12	4	M6x0,75	6,8	12	25	2

Coding: RDR6.40-♥

	VERSION		
	MH12	=	M6,
V	H=12mm		
	FH12 =	M6x0,7	5, H=12mm

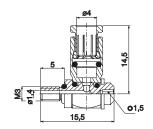
RDR6.40-**♥**

RGR3.40-MH05

Coding:

RGR Complete single banjo with stem

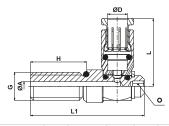




RGR3.40-MH05

RGR Complete single banjo with stem





CODE	ØD	G	ØA	Н	L1	L	0
RGR6.40-MH12	4	M6	2	12	24,3	14,5	2
RGR6.40-FH12	4	M6x0,75	2	12	24,3	14,5	2

Coding: RGR6.40-♥

•	VERSION		
	MH12	=	M6,
	H=12mm		
	FH12 =	M6x0.75. H=12mm	

RGR6.40-**♥**