PNEUMATIC VALVES
Series 200

General

The pneumatic actuated valves are grouped in this part of catalogue because they have similar operating conditions of the solenoid valves. In fact the commutation signal is remote as it is for the manual and mechanical actuated valves.

In the first part of these catalogues are listed the pneumatic actuated valves for single use not suitable to be assembled on bases but eventually on manifold with one inlet port only.

The valves series 800 are suitable for both single and ganged applications. These valves have a diversified use of 3-ways and 5-ways based on balanced spool as shown on functional symbols.
The repositions are made by spring, differential pneumatic spring or pneumatic fot the bistable and centre spring return.

Construction characteristics

	Body	Actuators	Bottom plates	Pistons	Spacers	Seals	Spools	Springs	
Series 104	Technopolymer		/	Aluminium	Technopolymer	NBR	Steel	Stainless steel	
Series 105	Aluminium		/					Spring steel	
Series 805	Aluminium				/	HNBR	Aluminium	Stainless steel	
Series 808								Spring steel	
Series 228	Aluminium	Aluminium Technopolymer	Technopolymer			NBR	Steel	Spring steel	STD
Series T228 (Ver. 3/2-5/2)	Technopolymer					NBR	Technopolymer	Spring steel	
Series T228 (Ver.5/3)							Steel		
Series 488	Aluminium	Technopolymer				NBR	Steel	Stainless steel	
Series T488 (Ver. 3/2- 5/2)	Technopolymer					NBR	Technopolymer		
Series T488 (Ver. 5/3)							Steel		
Series 224	Aluminium		Technopolymer	Aluminium	Technopolymer	NBR	Steel	Spring steel	STD
Series T224 (Ver. 3/2-5/2)	Technopolymer					NBR	Technopolymer	Spring steel	
Series T224 (Ver. 5/3)							Steel	Stainless steel	
Series 212	Aluminium				Technopolymer	NBR	Steel	Spring steel	STD
Series 212/2					/	PUR	Aluminium		
Series 211	Aluminium					NBR	Steel		STD

Use and maintenance

These valves have an average life of 15 million cycles depending on the application and air quality, filtered and lubricated air using specified lubricants will dramatically reduce the wear of the seals and ensures long and trouble free operation.
Please ensure that the valve is being used according with the manufacturers specification, such as air pressure and temperature and that exhaust ports 3 & 5 are protected against the possible ingress of dirt or debris.
Repair kits including the spool complete with seals are available for overhauling the valves; however, although this is a simple operation it should be carried out by a competent person.

ATTENTION: use hydraulic oil class H for lubrication such as MAGNA GC 32 (Castrol).

PNEUMAX

(2010/10)

G 1/8"

	Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
3/2		Pneumatic - Spring STD	228.32.11.1	2,5-10 bar	540 Nl/min	mm 6
		Pneumatic - Differential external	228.32.11.12			
		Pneumatic - Differential self aligned	228.32.11.12/1			
		Pneumatic - Pneumatic STD	228.32.11.11	2-10 bar		
		Amplified pneumatic - Spring	228.32.13.1	0,5-10 bar		
5/2		Pneumatic - Spring STD	228.52.11.1	2,5-10 bar		
		Pneumatic - Differential external STD	228.52.11.12			
		Pneumatic - Differential self aligned	228.52.11.12/1			
		Pneumatic - Pneumatic STD	228.52.11.11	2-10 bar		
		Amplified pneumatic - Spring	228.52.13.1	0,5-10 bar		
5/3		Pneumatic - Pneumatic - C.C. STD	228.53.31.11.11	3-10 bar	410 Nl/min	
		Pneumatic - Pneumatic - O.C.	228.53.32.11.11			
		Pneumatic - Pneumatic - P.C.	228.53.33.11.11			

G 1/4"

	Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
3/2		Pneumatic - Spring STD	224.32.11.1	2,5-10 bar	1360 Nl/min	mm 8
		Pneumatic - Differential external	224.32.11.12			
		Pneumatic - Pneumatic STD	224.32.11.11	2-10 bar		
5/2		Pneumatic - Spring STD	224.52.11.1	2,5-10 bar		
		Pneumatic - Differential external	224.52.11.12			
		Pneumatic - Pneumatic STD	224.52.11.11	2-10 bar		
5/3		Pneumatic - Pneumatic - C.C. STD	224.53.31.11.11	3-10 bar	1280 Nl/min	
		Pneumatic - Pneumatic - O.C.	224.53.32.11.11			
		Pneumatic - Pneumatic - P.C.	224.53.33.11.11			

G 1/2"

	Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
3/2		Pneumatic - Spring	212.32.11.1	2,5-10 bar	3500Nl/min	mm 15
		Pneumatic - Differential	212.32.11.12			
		Pneumatic - Pneumatic	212.32.11.11	2-10 bar		
5/2		Pneumatic - Spring STD	212.52.11.1	2,5-10 bar		
		Pneumatic - Differential	212.52.11.12			
		Pneumatic - Pneumatic STD	212.52.11.11	2-10 bar		
5/3		Pneumatic - Pneumatic - C.C. STD	212.53.31.11.11	3-10 bar	3000Nl/min	
		Pneumatic - Pneumatic - O.C.	212.53.32.11.11			
		Pneumatic - Pneumatic - P.C.	212.53.33.11.11			

G 1"

	Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
3/2		Pneumatic - Spring	211.32.11.1	2,5-10 bar	6500Nl/min	mm 20
		Pneumatic - Differential	211.32.11.12			
		Pneumatic - Pneumatic	211.32.11.11	2-10 bar		
5/2		Pneumatic - Spring	211.52.11.1	2,5-10 bar		
		Pneumatic - Differential	211.52.11.12			
		Pneumatic - Pneumatic	211.52.11.11	2-10 bar		
5/3		Pneumatic - Pneumatic C.C.	211.53.31.11.11	3-10 bar		
		Pneumatic - Pneumatic O.C.	211.53.32.11.11			
		Pneumatic - Pneumatic P.C.	211.53.33.11.11			

(2010/10)

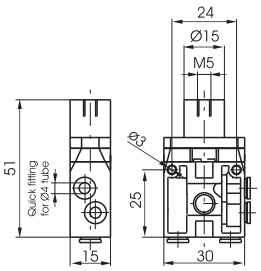
☎ +32 3 355 32 20

The components illustrated and described in the present catalogue are sold under the trademark **PNEUMAX**. Sales in Italy and abroad are handled through the organization indicated in the "**Sales network pages**". The overall dimensions and tecnical information are provided solely for information reasons and may be subject to change without notice.

Pneumatic - Spring

2/2
3/2

Lateral connections

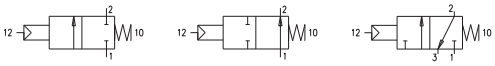


Weight gr. 25
Minimum piloting pressure 2,5 bar

Ordering code

104.Ⓣ.11.1.ⒸⒻ

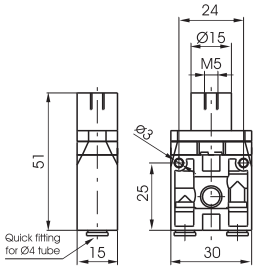
Ⓣ TYPE	
	22 = 2 ways
	32 = 3 ways
Ⓒ CONNECTION TYPE	
	L = Lateral
	P = Rear
Ⓕ FUNCTION	
	A = Normally Open
	C = Normally Closed



Pneumatic - Spring

2/2
3/2

Rear connections



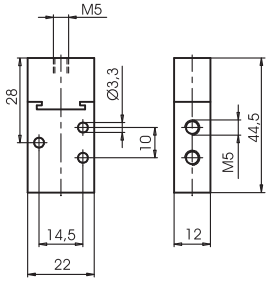
Weight gr. 25
Minimum piloting pressure 2,5 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered air, with or without lubrication	10 bar	Min. Max.	90 Nl/min	mm 2,5	ø4 tube	M5

Pneumatic - Spring

3/2



Weight gr. 90
Minimum piloting pressure 2,5 bar

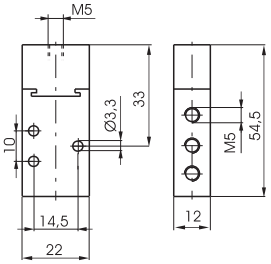
Ordering code

105.Ⓣ.11.1

Ⓣ TYPE	
	32 = 3 ways
	52 = 5 ways

Pneumatic - Spring

5/2



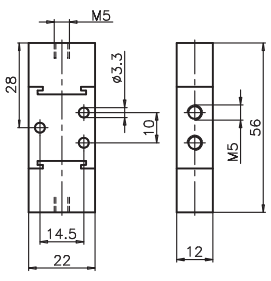
Weight gr. 100
Minimum piloting pressure 2,5 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	120 Nl/min	mm 2,5	M5	M5

Pneumatic - Differential external

3/2



Weight gr. 110
Minimum piloting pressure 2,5 bar

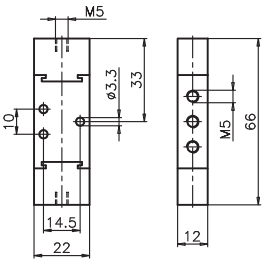
Ordering code

105.Ⓣ.11.12

Ⓣ TYPE	
	32 = 3 ways
	52 = 5 ways

Pneumatic - Differential external

5/2



Weight gr. 120
Minimum piloting pressure 2,5 bar

Operational characteristic

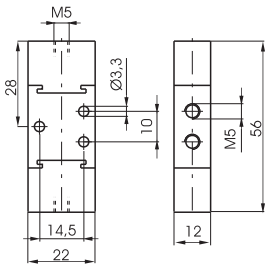
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	120 Nl/min	mm 2,5	M5	M5

1

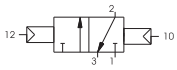
Pneumatic - Pneumatic | 3/2 | Ordering code | 5/2 | **Pneumatic - Pneumatic**

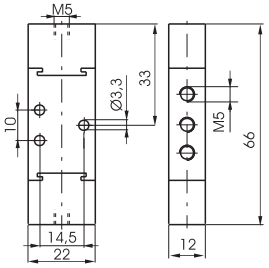
105.Ⓣ.11.11

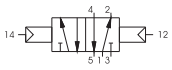
Ⓣ	TYPE
	32 = 3 ways
	52 = 5 ways



Weight gr. 110
Minimum piloting pressure 2,5 bar







Weight gr. 120
Minimum piloting pressure 2,5 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	120 Nl/min	mm 2,5	M5	M5

Pneumatic - Spring

3/2

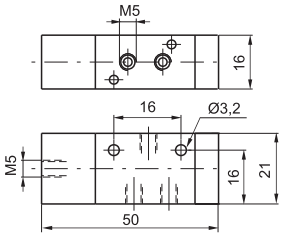
Ordering code

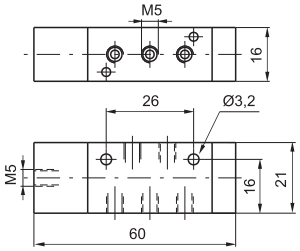
805.T.11.1

T	TYPE
	32 = 3 ways
	52 = 5 ways

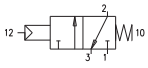
5/2

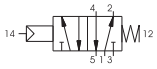
Pneumatic - Spring





Weight gr. 45
Minimum piloting pressure 2 bar





Weight gr. 50
Minimum piloting pressure 2 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	160 Nl/min	mm 2,5	M5	M5

Pneumatic - Differential

3/2

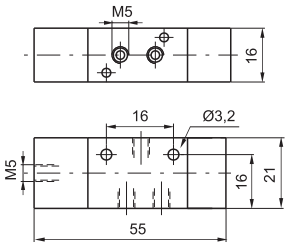
Ordering code

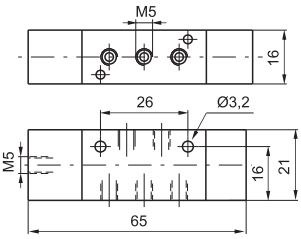
805.T.11.12

T	TYPE
	32 = 3 ways
	52 = 5 ways

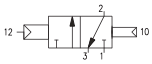
5/2

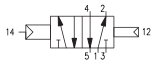
Pneumatic - Differential





Weight gr. 50
Minimum piloting pressure 2 bar





Weight gr. 55
Minimum piloting pressure 2 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	160 Nl/min	mm 2,5	M5	M5

Pneumatic - Pneumatic

3/2

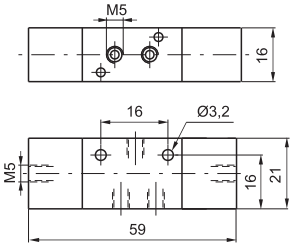
Ordering code

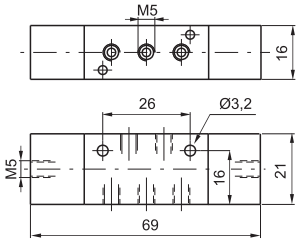
805.T.11.11

T	TYPE
	32 = 3 ways
	52 = 5 ways

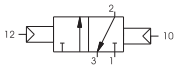
5/2

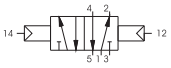
Pneumatic - Pneumatic





Weight gr. 55
Minimum piloting pressure 1,5 bar





Weight gr. 60
Minimum piloting pressure 1,5 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	160 Nl/min	mm 2,5	M5	M5

Pneumatic - Spring

3/2

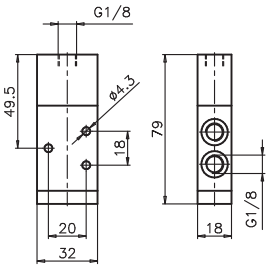
Ordering code

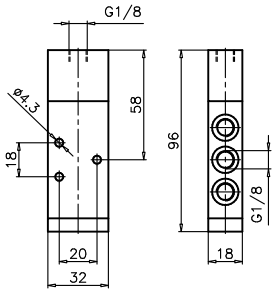
228.Ⓣ.11.1

Ⓣ	TYPE
	32 = 3 ways
	52 = 5 ways

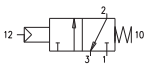
5/2

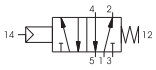
Pneumatic - Spring





Weight gr. 110
Minimum piloting pressure 2,5 bar





Weight gr. 130
Minimum piloting pressure 2,5 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	540 Nl/min	mm 6	G 1/8"	G 1/8"

Pneumatic - Differential external

3/2

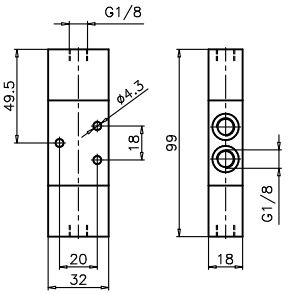
Ordering code

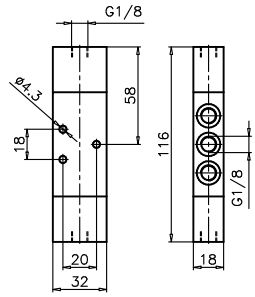
228.Ⓣ.11.12

Ⓣ	TYPE
	32 = 3 ways
	52 = 5 ways

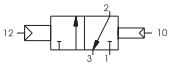
5/2

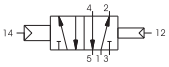
Pneumatic - Differential external





Weight gr. 140
Minimum piloting pressure 2,5 bar





Weight gr. 160
Minimum piloting pressure 2,5 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	540 Nl/min	mm 6	G 1/8"	G 1/8"

Pneumatic - Differential self aligned

3/2

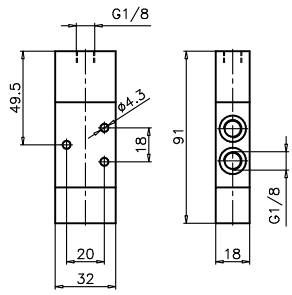
Ordering code

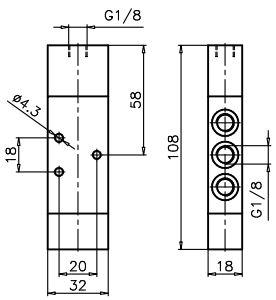
228.Ⓣ.11.12/1

Ⓣ	TYPE
	32 = 3 ways
	52 = 5 ways

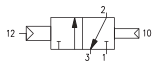
5/2

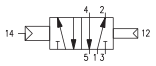
Pneumatic - Differential self aligned





Weight gr. 130
Minimum piloting pressure 2,5 bar





Weight gr. 150
Minimum piloting pressure 2,5 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	540 Nl/min	mm 6	G 1/8"	G 1/8"

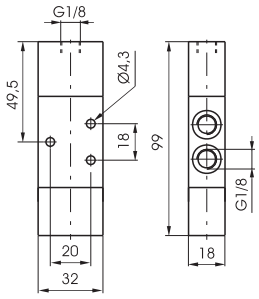
Pneumatic - Pneumatic

3/2

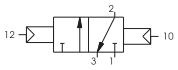
Ordering code

228.T.11.11

T	TYPE
	32 = 3 ways
	52 = 5 ways

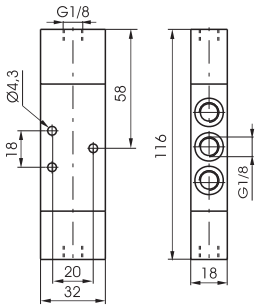


Weight gr. 140
Minimum piloting pressure 2 bar



5/2

Pneumatic - Pneumatic



Weight gr. 160
Minimum piloting pressure 2 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	540 Nl/min	mm 6	G 1/8"	G 1/8"

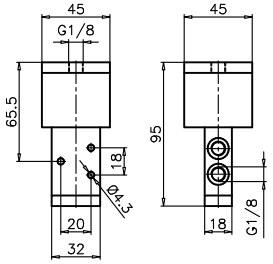
Amplified pneumatic - Spring

3/2

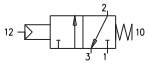
Ordering code

228.T.13.1

T	TYPE
	32 = 3 ways
	52 = 5 ways

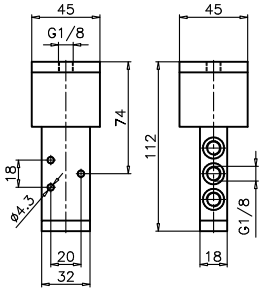


Weight gr. 260
Minimum piloting pressure 0,5 bar

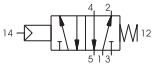


5/2

Amplified pneumatic - Spring



Weight gr. 290
Minimum piloting pressure 0,5 bar



Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	540 Nl/min	mm 6	G 1/8"	G 1/8"

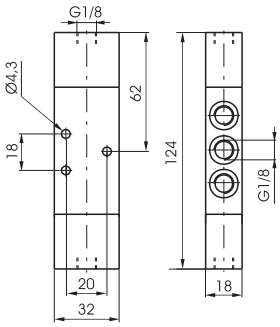
Pneumatic - Pneumatic

5/3

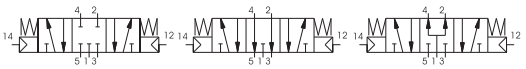
Ordering code

228.53.F.11.11

F	FUNCTION
	31 = Closed centres
	32 = Open centres
	33 = Pressured centres



Weight gr. 180
Minimum piloting pressure 3 bar



Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	410 Nl/min	mm 6	G 1/8"	G 1/8"

1

Pneumatic - Spring

3/2

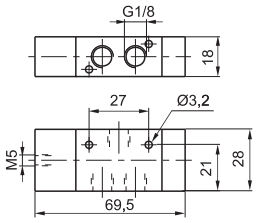
Ordering code

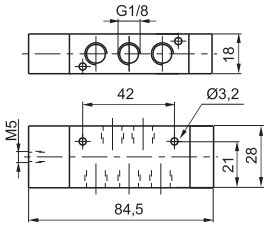
808.T.11.1

T	TYPE
	32 = 3 ways
	52 = 5 ways

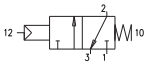
5/2

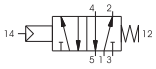
Pneumatic - Spring





Weight gr. 95
Minimum piloting pressure 2 bar





Weight gr. 100
Minimum piloting pressure 2 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	520 Nl/min	mm 4	G 1/8"	M5

Pneumatic - Differential

3/2

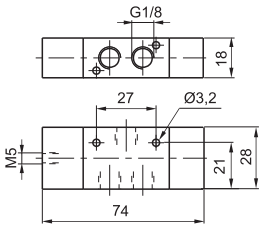
Ordering code

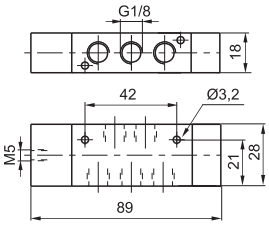
808.T.11.12

T	TYPE
	32 = 3 ways
	52 = 5 ways

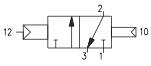
5/2

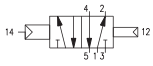
Pneumatic - Differential





Weight gr. 105
Minimum piloting pressure 2 bar





Weight gr. 110
Minimum piloting pressure 2 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	520 Nl/min	mm 4	G 1/8"	M5

Pneumatic - Pneumatic

3/2

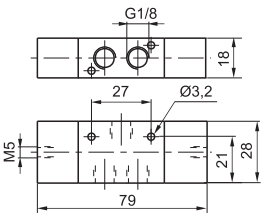
Ordering code

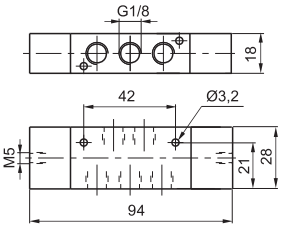
808.T.11.11

T	TYPE
	32 = 3 ways
	52 = 5 ways

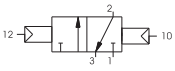
5/2

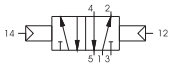
Pneumatic - Pneumatic





Weight gr. 115
Minimum piloting pressure 1,5 bar





Weight gr. 120
Minimum piloting pressure 1,5 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	520 Nl/min	mm 4	G 1/8"	M5

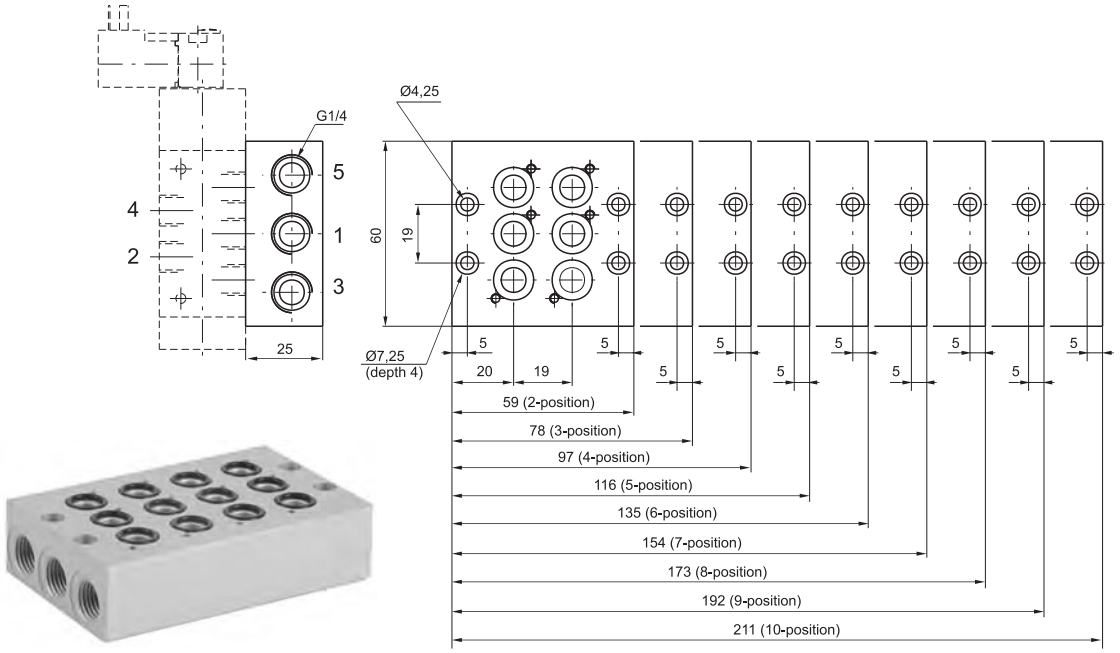
1

Manifolds

Ordering code

808.Ⓝ

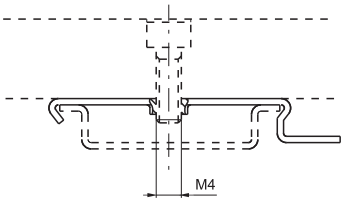
	N. POSITIONS
	02 = 2 pos. (weight gr. 180)
	03 = 3 pos. (weight gr. 245)
	04 = 4 ports (weight gr. 310)
Ⓝ	05 = 5 pos. (weight gr. 375)
	06 = 6 pos. (weight gr. 440)
	07 = 7 pos. (weight gr. 500)
	08 = 8 pos. (weight gr. 560)
	09 = 9 pos. (weight gr. 620)
	10 = 10 pos. (weight gr. 680)



Clip

Ordering code

800.00

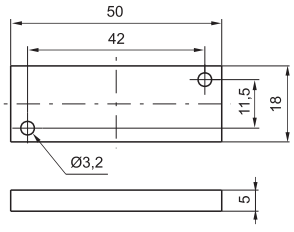


Weight gr. 5
(for mounting the distributors groups on guide DIN 46277/3)

Closing plate

Ordering code

808.00



Weight gr. 65

1

Pneumatic - Spring

3/2

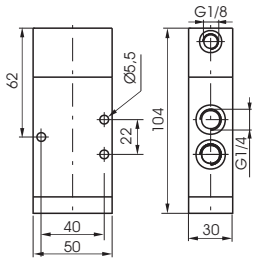
Ordering code

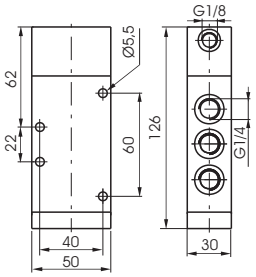
224.T.11.1

T	TYPE
	32 = 3 ways
	52 = 5 ways

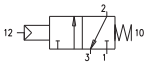
5/2

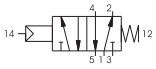
Pneumatic - Spring





Weight gr. 370
Minimum piloting pressure 2,5 bar





Weight gr. 450
Minimum piloting pressure 2,5 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	1360 Nl/min	mm 8	G 1/4"	G 1/8"

Pneumatic - Differential external

3/2

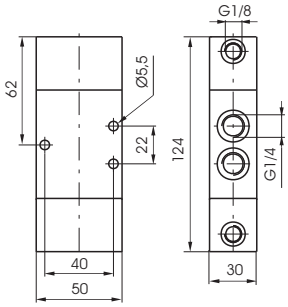
Ordering code

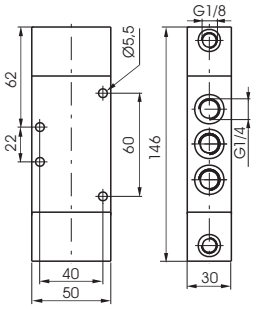
224.T.11.12

T	TYPE
	32 = 3 ways
	52 = 5 ways

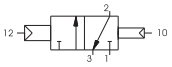
5/2

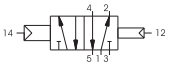
Pneumatic - Differential external





Weight gr. 480
Minimum piloting pressure 2,5 bar





Weight gr. 550
Minimum piloting pressure 2,5 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	1360 Nl/min	mm 8	G 1/4"	G 1/8"

Pneumatic - Pneumatic

3/2

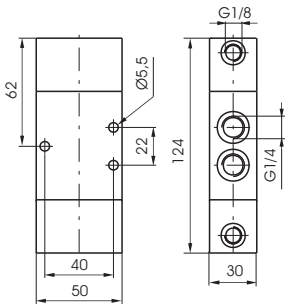
Ordering code

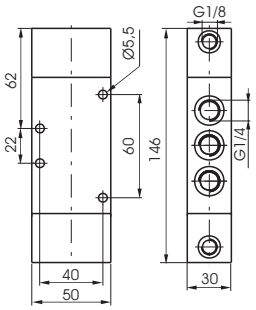
224.T.11.11

T	TYPE
	32 = 3 ways
	52 = 5 ways

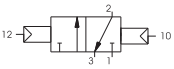
5/2

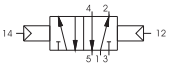
Pneumatic - Pneumatic





Weight gr. 470
Minimum piloting pressure 2 bar





Weight gr. 540
Minimum piloting pressure 2 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	1360 Nl/min	mm 8	G 1/4"	G 1/8"

Pneumatic - Pneumatic

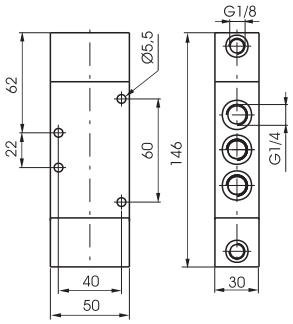
5/3

1

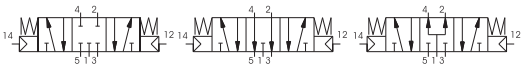
Ordering code

224.53.Ⓕ.11.11

	FUNCTION
Ⓕ	31 = Closed centres
	32 = Open centres
	33 = Pressured centres



Weight gr. 550
Minimum piloting pressure 3 bar



Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	1280 Nl/min	mm 8	G 1/4"	G 1/8"

1

Pneumatic - Spring

3/2

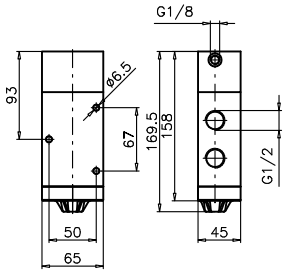
Ordering code

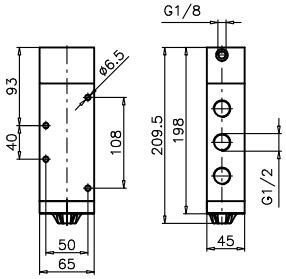
212.T.11.1

T	TYPE
	32 = 3 ways
	52 = 5 ways

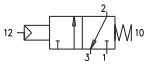
5/2

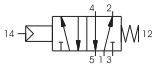
Pneumatic - Spring





Weight gr. 1110
Minimum piloting pressure 2,5 bar





Weight gr. 1390
Minimum piloting pressure 2,5 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	3500 Nl/min	mm 15	G 1/2"	G 1/8"

Pneumatic - Differential external

3/2

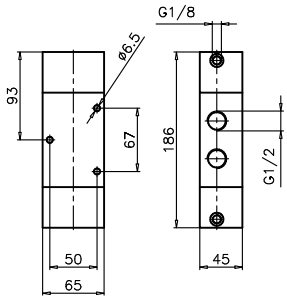
Ordering code

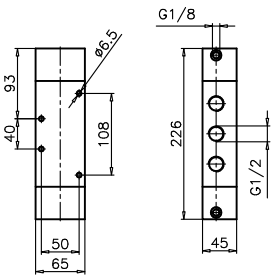
212.T.11.12

T	TYPE
	32 = 3 ways
	52 = 5 ways

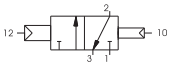
5/2

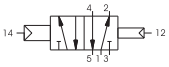
Pneumatic - Differential external





Weight gr. 1380
Minimum piloting pressure 2,5 bar





Weight gr. 1660
Minimum piloting pressure 2,5 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	3500 Nl/min	mm 15	G 1/2"	G 1/8"

Pneumatic - Pneumatic

3/2

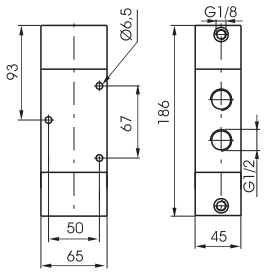
Ordering code

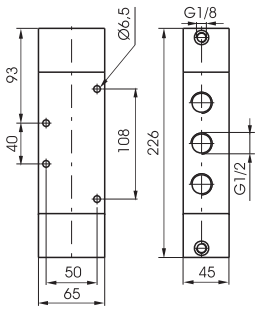
212.T.11.11

T	TYPE
	32 = 3 ways
	52 = 5 ways

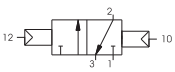
5/2

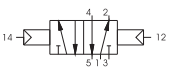
Pneumatic - Pneumatic





Weight gr. 1350
Minimum piloting pressure 2 bar





Weight gr. 1630
Minimum piloting pressure 2 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	3500 Nl/min	mm 15	G 1/2"	G 1/8"

Pneumatic - Pneumatic

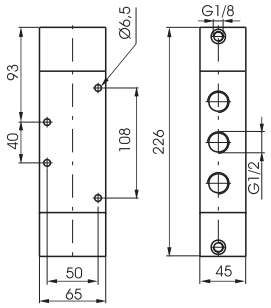
5/3

1

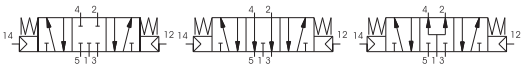
Ordering code

212.53.Ⓣ.11.11

Ⓕ	FUNCTION
	31 = Closed centres
	32 = Open centres
	33 = Pressured centres



Weight gr. 1650
Minimum piloting pressure 3 bar



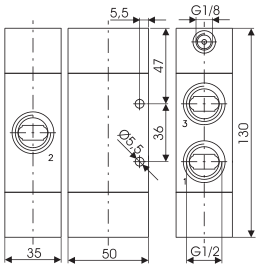
Operational characteristic

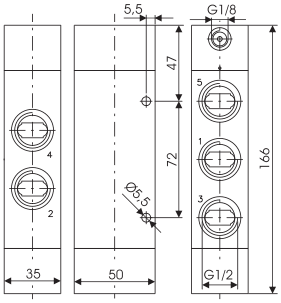
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	3000 Nl/min	mm 15	G 1/2"	G 1/8"

Pneumatic - Spring | 3/2 | Ordering code | 5/2 | **Pneumatic - Spring**

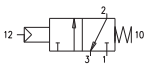
212/2.Ⓣ.11.1

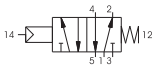
Ⓣ	TYPE
	32 = 3 ways
	52 = 5 ways





Weight gr. 524
Minimum piloting pressure 2,5 bar





Weight gr. 644
Minimum piloting pressure 2,5 bar

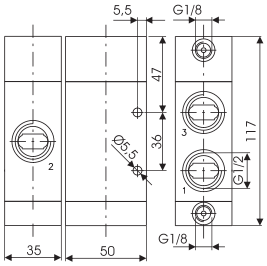
Operational characteristic						
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	3600 Nl/min	mm 15	G 1/2"	G 1/8"

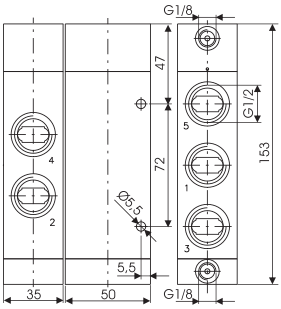
Pneumatic - Differential | 3/2 | Ordering code | 5/2 | **Pneumatic - Differential**

Diff. external - Normally closed — *Diff. external*

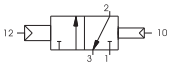
212/2.Ⓣ.11.12

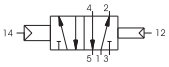
Ⓣ	TYPE
	32 = 3 ways
	52 = 5 ways





Weight gr. 464
Minimum piloting pressure 2,5 bar





Weight gr. 586
Minimum piloting pressure 2,5 bar

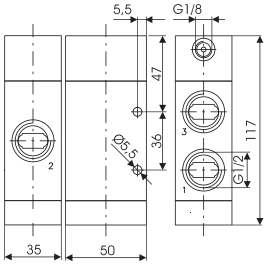
Operational characteristic						
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	3600 Nl/min	mm 15	G 1/2"	G 1/8"

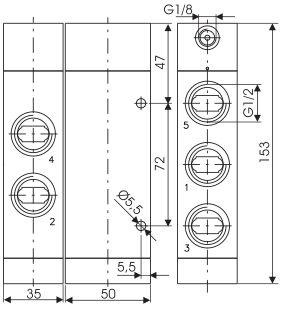
Pneumatic - Differential | 3/2 | Ordering code | 5/2 | **Pneumatic - Differential**

Diff. self aligned — *Diff. self aligned*

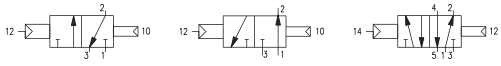
212/2.Ⓣ.11.12/Ⓕ

Ⓣ	TYPE
	32 = 3 ways
	52 = 5 ways
Ⓕ	FUNCTION
	1.C = 3 ways Normally Closed
	1.A = 3 ways Normally Open
	1 = 5 ways diff. self aligned





Weight gr. 466
Minimum piloting pressure 2,5 bar



Weight gr. 588
Minimum piloting pressure 2,5 bar

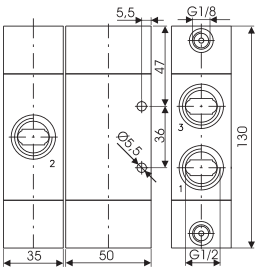
Operational characteristic						
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	3600 Nl/min	mm 15	G 1/2"	G 1/8"

Pneumatic - Pneumatic — 3/2

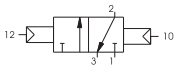
Ordering code

212/2.Ⓣ.11.11

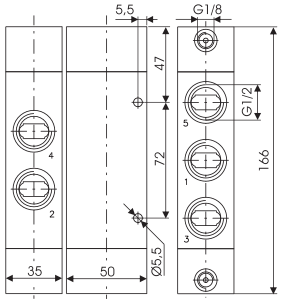
Ⓣ	TYPE
	32 = 3 ways
	52 = 5 ways



Weight gr. 518
Minimum piloting pressure 2,5 bar



Pneumatic - Pneumatic — 5/2



Weight gr. 640
Minimum piloting pressure 2,5 bar

Operational characteristic

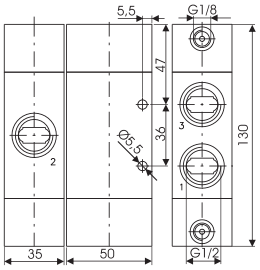
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	3600 Nl/min	mm 15	G 1/2"	G 1/8"

Pneumatic - Pneumatic — 5/3

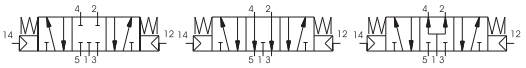
Ordering code

212/2.53.Ⓕ.11.11

Ⓕ	FUNCTION
	31 = Closed centres
	32 = Open centres
	33 = Pressured centres



Weight gr. 684
Minimum piloting pressure 3 bar



Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	3300 Nl/min	mm 15	G 1/2"	G 1/8"

1

Pneumatic - Spring

3/2

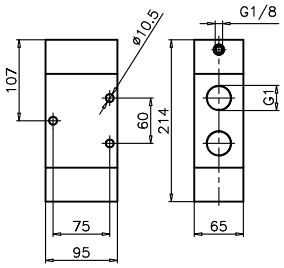
Ordering code

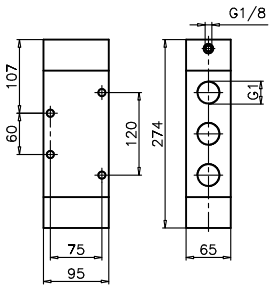
211.T.11.1

T	TYPE
	32 = 3 ways
	52 = 5 ways

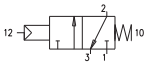
5/2

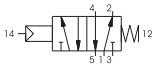
Pneumatic - Spring





Weight gr. 3330
Minimum piloting pressure 2,5 bar





Weight gr. 4200
Minimum piloting pressure 2,5 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	6500 Nl/min	mm 20	G 1"	G 1/8"

Pneumatic - Differential external

3/2

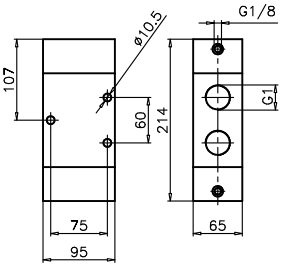
Ordering code

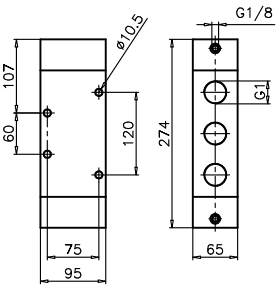
211.T.11.12

T	TYPE
	32 = 3 ways
	52 = 5 ways

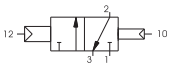
5/2

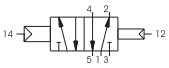
Pneumatic - Differential external





Weight gr. 3330
Minimum piloting pressure 2,5 bar





Weight gr. 4200
Minimum piloting pressure 2,5 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	6500 Nl/min	mm 20	G 1"	G 1/8"

Pneumatic - Pneumatic

3/2

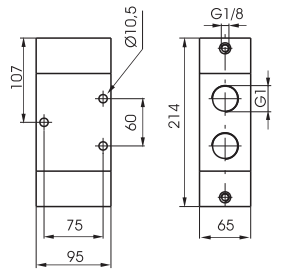
Ordering code

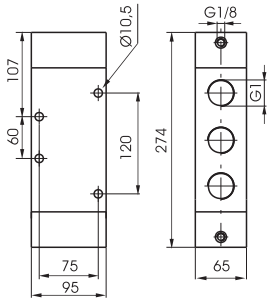
211.T.11.11

T	TYPE
	32 = 3 ways
	52 = 5 ways

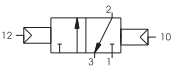
5/2

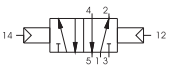
Pneumatic - Pneumatic





Weight gr. 3330
Minimum piloting pressure 2 bar





Weight gr. 4200
Minimum piloting pressure 2 bar

Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	6500 Nl/min	mm 20	G 1"	G 1/8"

Pneumatic - Pneumatic

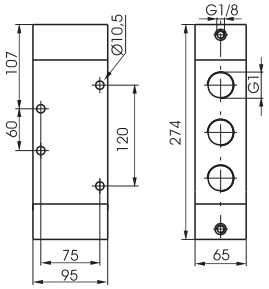
5/3

1

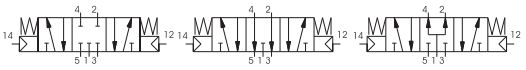
Ordering code

211.53.Ⓕ.11.11

	FUNCTION
Ⓕ	31 = Closed centres
	32 = Open centres
	33 = Pressured centres



Weight gr. 4200
Minimum piloting pressure 3 bar



Operational characteristic

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
Filtered and lubricated air	10 bar	-5 - +70	6500 Nl/min	mm 20	G 1"	G 1/8"