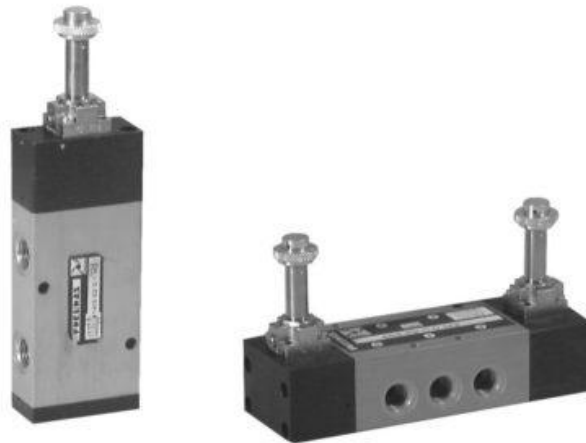




468-464-452 Series Valves



2

Solenoid - Spring	3/2	Ordering code 468.1.0.1.M2	5/2	Solenoid - Spring			
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>TYPE</td></tr> <tr><td>32=3 ways</td></tr> <tr><td>52=5 ways</td></tr> </table>	TYPE	32=3 ways	52=5 ways		
			TYPE				
32=3 ways							
52=5 ways							

Weight gr. 240
Minimum working pressure 2,5 bar

Weight gr. 240
Minimum working pressure 2,5 bar

Operational characteristics					
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	540 NI/min	mm 6	G 1/8"

Solenoid - Differential	3/2	Ordering code 468.1.0.12.M2	5/2	Solenoid - Differential			
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>TYPE</td></tr> <tr><td>32=3 ways</td></tr> <tr><td>52=5 ways</td></tr> </table>	TYPE	32=3 ways	52=5 ways		
			TYPE				
32=3 ways							
52=5 ways							

Weight gr. 280
Minimum working pressure 2,5 bar

Weight gr. 320
Minimum working pressure 2,5 bar

Operational characteristics					
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	540 NI/min	mm 6	G 1/8"

Solenoid - Solenoid	3/2	Ordering code 468.1.0.0.M2	5/2	Solenoid - Solenoid			
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>TYPE</td></tr> <tr><td>32=3 ways</td></tr> <tr><td>52=5 ways</td></tr> </table>	TYPE	32=3 ways	52=5 ways		
			TYPE				
32=3 ways							
52=5 ways							

Weight gr. 370
Minimum working pressure 2 bar

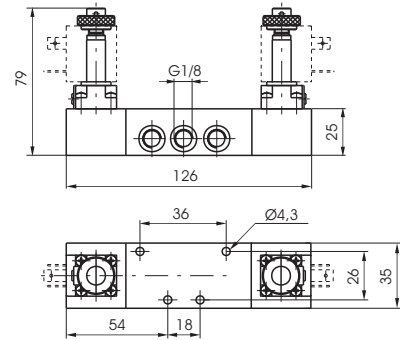
Weight gr. 410
Minimum working pressure 2 bar

Operational characteristics					
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	540 NI/min	mm 6	G 1/8"

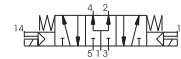
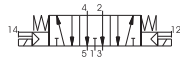
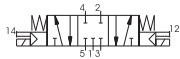
5/3

Solenoid - Solenoid

Ordering code
468.53.0.0.M2
FUNCTION
F 31=Closed centres
32=Open centres
33=Pressured centres



Weight gr. 420
Minimum working pressure 3 bar



Operational characteristics

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with $\Delta p=1$ (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	410 NI/min	mm 6	G 1/8"

3/2 Solenoid - Spring

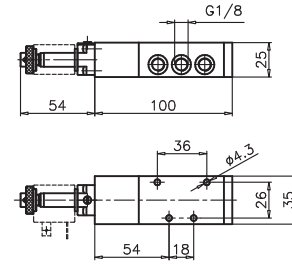
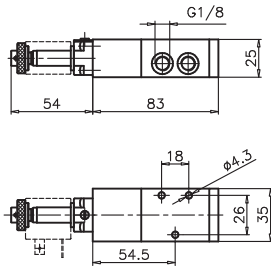
Ordering code

Solenoid - Spring

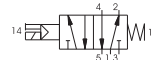
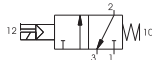
5/2

468/1.0.0.1.M2

TYPE
T 32=3 ways
52=5 ways



Weight gr. 240
Minimum working pressure 2,5 bar



Weight gr. 280
Minimum working pressure 2,5 bar

Operational characteristics

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with $\Delta p=1$ (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	540 NI/min	mm 6	G 1/8"

3/2 Solenoid - Differential

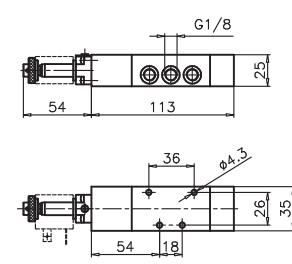
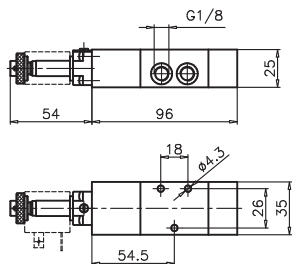
Ordering code

Solenoid - Differential

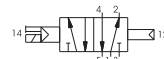
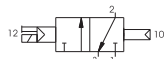
5/2

468/1.0.0.12.M2

TYPE
T 32=3 ways
52=5 ways



Weight gr. 280
Minimum working pressure 2,5 bar




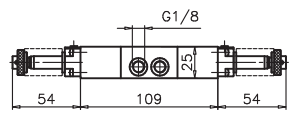
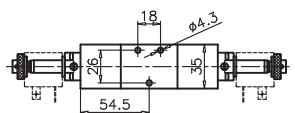

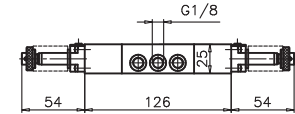
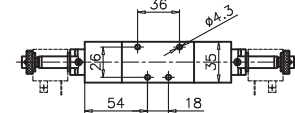
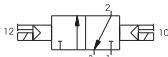
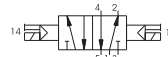
Weight gr. 320
Minimum working pressure 2,5 bar


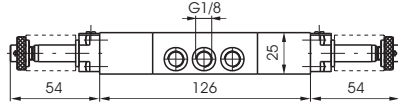
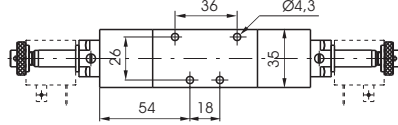
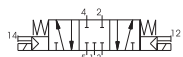


Operational characteristics

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with $\Delta p=1$ (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	540 NI/min	mm 6	G 1/8"

2

2

3/2 Solenoid - Solenoid		Ordering code		Solenoid - Solenoid	
		468/1.1.0.0.M2		5/2	
  		T TYPE 32=3 ways 52=5 ways		  	
Weight gr. 370 Minimum working pressure 2 bar		 		Weight gr. 410 Minimum working pressure 2 bar	
Operational characteristics					
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with $\Delta p=1$ (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	540 NI/min	mm 6	G 1/8"

Solenoid - Solenoid						5/3	
Ordering code							
468/1.53.F.0.0.M2							
FUNCTION							
F 31=Closed centres 32=Open centres 33=Pressured centres							
						 	
Weight gr. 420 Minimum working pressure 3 bar		  					
Operational characteristics							
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with $\Delta p=1$ (NI/min)	Orifice size (mm)	Working ports size		
Filtered and lubricated air	10 bar	-5 ÷ +50	410 NI/min	mm 6	G 1/8"		

Solenoid - Spring

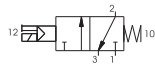
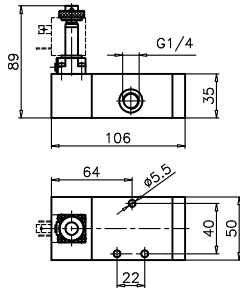
3/2

Ordering code

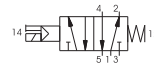
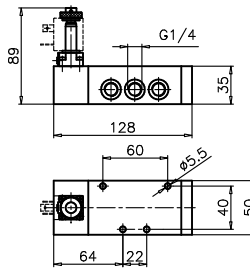
464.1.0.1.M2

5/2

Solenoid - Spring



TYPE
32=3 ways
52=5 ways



Weight gr. 530
Minimum working pressure 2,5 bar

Weight gr. 625
Minimum working pressure 2,5 bar

Operational characteristics

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10	-5 ÷ +50	1360 NI/min	mm 8	G 1/4"

Solenoid - Differential

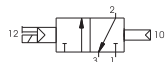
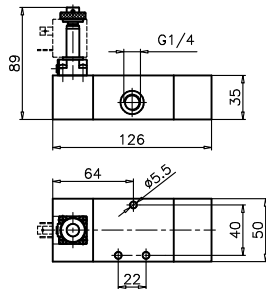
3/2

Ordering code

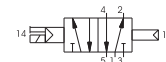
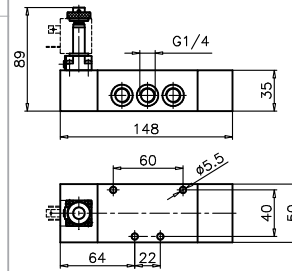
464.1.0.12.M2

5/2

Solenoid - Differential



TYPE
32=3 ways
52=5 ways



Weight gr. 650
Minimum working pressure 2,5 bar

Weight gr. 740
Minimum working pressure 2,5 bar

Operational characteristics

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10	-5 ÷ +50	1360 NI/min	mm 8	G 1/4"

Solenoid - Solenoid

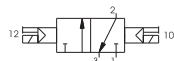
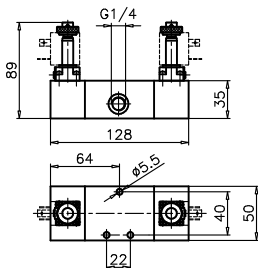
3/2

Ordering code

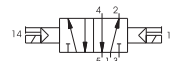
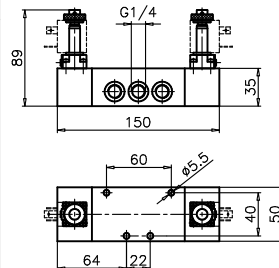
464.1.0.0.M2

5/2

Solenoid - Solenoid



TYPE
32=3 ways
52=5 ways



Weight gr. 730
Minimum working pressure 2 bar

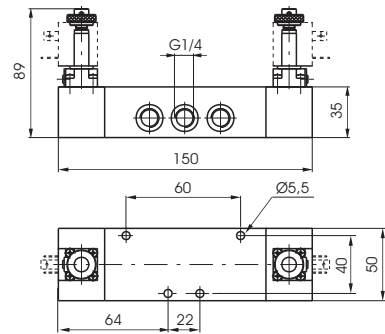
Weight gr. 820
Minimum working pressure 2bar

Operational characteristics

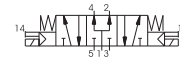
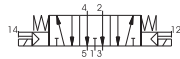
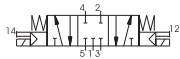
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10	-5 ÷ +50	1360 NI/min	mm 8	G 1/4"

Solenoid - Solenoid

Ordering code
464.53.ⓕ.0.0.M2
FUNCTION
ⓕ = 31 = Closed centres
32 = Open centres
33 = Pressured centres



Weight gr. 820
Minimum working pressure 3 bar



Operational characteristics

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10	-5 ÷ +50	1280 NI/min	mm 8	G 1/4"

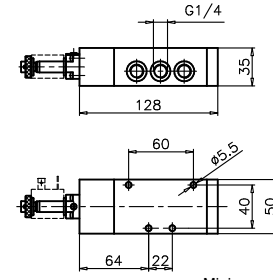
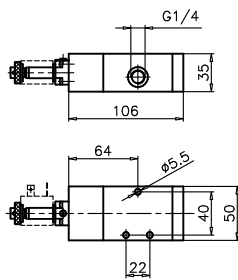
3/2 Solenoid - Spring

Ordering code

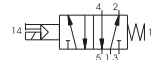
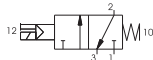
Solenoid - Spring

464/1.Ⓡ.0.1.M2

TYPE
Ⓡ = 32 = 3 ways
52 = 5 ways



Weight gr. 530
Minimum working pressure 2,5 bar



Weight gr. 625
Minimum working pressure 2,5 bar

Operational characteristics

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	1360 NI/min	mm 8	G 1/4"

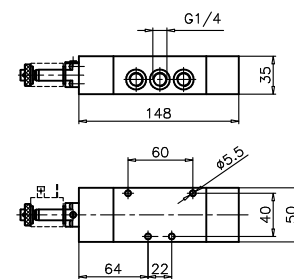
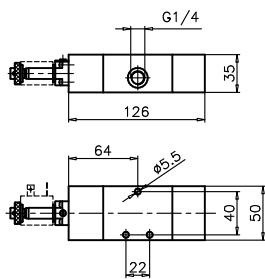
3/2 Solenoid - Differential

Ordering code

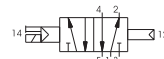
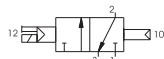
Solenoid - Differential

464/1.Ⓡ.0.12.M2

TYPE
Ⓡ = 32 = 3 ways
52 = 5 ways



Weight gr. 650
Minimum working pressure 2,5 bar



Weight gr. 740
Minimum working pressure 2,5 bar

Operational characteristics

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	1360 NI/min	mm 8	G 1/4"



2

3/2	Solenoid - Solenoid	Ordering code 464/1.1.0.0.M2	Solenoid - Solenoid	5/2	
		<p>T TYPE</p> <p>32=3 ways</p> <p>52=5 ways</p>			
<p>Weight gr. 730</p> <p>Minimum working pressure 2 bar</p>				<p>Weight gr. 820</p> <p>Minimum working pressure 2 bar</p>	
Operational characteristics					
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with $\Delta p=1$ (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	1360 NI/min	mm 8	G 1/4"

Solenoid - Solenoid				5/3	
Ordering code 464/1.53.F.0.0.M2					
<p>F FUNCTION</p> <p>31=Closed centres</p> <p>32=Open centres</p> <p>33=Pressured centres</p>					
<p>Weight gr. 820</p> <p>Minimum working pressure 3 bar</p>					
Operational characteristics					
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with $\Delta p=1$ (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	1280 NI/min	mm 8	G 1/4"

Solenoid - Spring

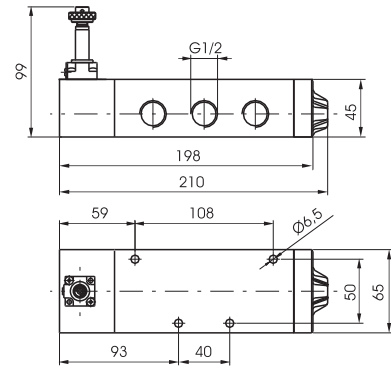
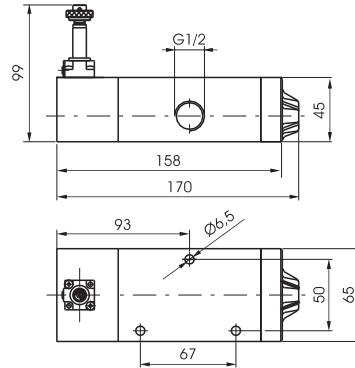
3/2
5/2

Ordering code

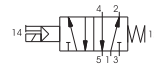
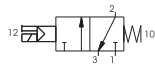
452.1.0.1.M2

TYPE

- 32=3 ways
- 52=5 ways



Weight gr. 1152
Minimum working pressure 2,5 bar



Weight gr. 1422
Minimum working pressure 2,5 bar

Operational characteristics

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with $\Delta p=1$ (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	3500 NI/min	mm 15	G 1/2"

Solenoid - Differential

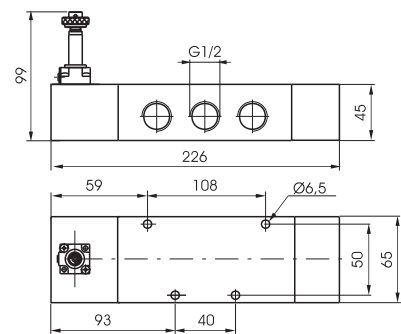
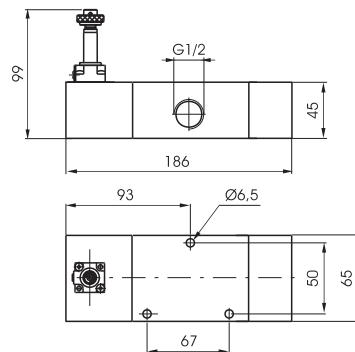
3/2
5/2

Ordering code

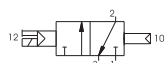
452.1.0.12.M2

TYPE

- 32=3 ways
- 52=5 ways



Weight gr. 1422
Minimum working pressure 2,5 bar



Weight gr. 1692
Minimum working pressure 2,5 bar

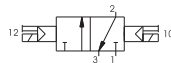
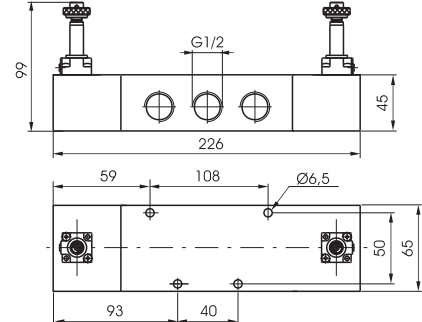
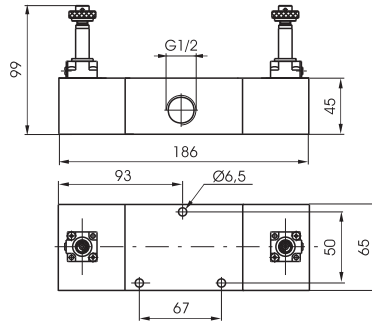
Operational characteristics

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with $\Delta p=1$ (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	3500 NI/min	mm 15	G 1/2"

3/2
5/2

Solenoid - Solenoid

Ordering code	
452.1.0.0.M2	
TYPE	
1 32=3 ways	
52=5 ways	



Weight gr. 1744
Minimum working pressure 2 bar

Weight gr. 1744
Minimum working pressure 2 bar

Operational characteristics

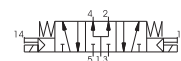
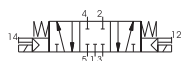
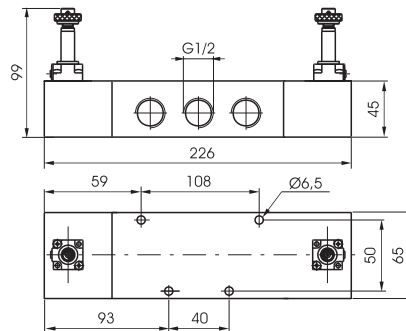
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	3500 NI/min	mm 15	G 1/2"

2

Solenoid - Solenoid

5/3

Ordering code	
452.53.0.0.M2	
FUNCTION	
F 31=Closed centres	
32=Open centres	
33=Pressured centres	



Weight gr. 1744
Minimum working pressure 3 bar

Operational characteristics

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	3500 NI/min	mm 15	G 1/2"

Solenoid - Spring

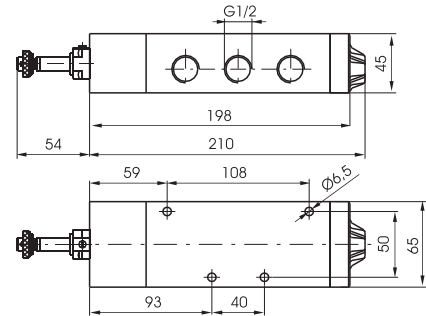
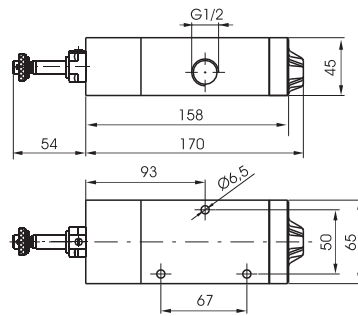
3/2
5/2

Ordering code

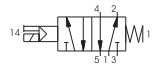
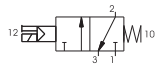
452/1.0.1.M2

TYPE

32=3 ways
52=5 ways



Weight gr. 1330
Minimum working pressure 2,5 bar



Weight gr. 1600
Minimum working pressure 2,5 bar

Operational characteristics

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with $\Delta p=1$ (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	3500 NI/min	mm 15	G 1/2"

Solenoid - Differential

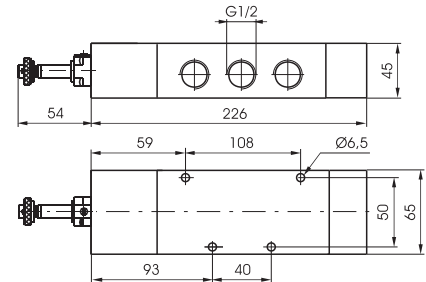
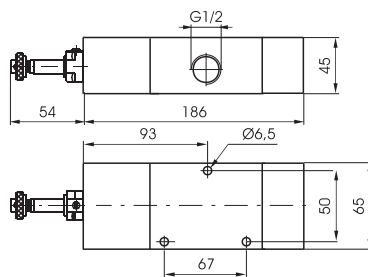
3/2
5/2

Ordering code

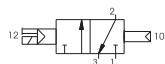
452/1.0.12.M2

TYPE

32=3 ways
52=5 ways



Weight gr. 1600
Minimum working pressure 2,5 bar



Weight gr. 1870
Minimum working pressure 2,5 bar

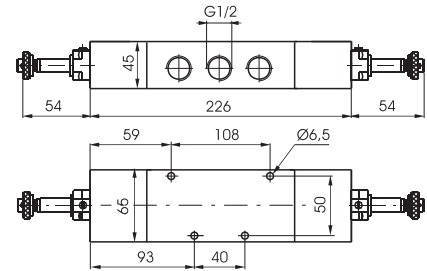
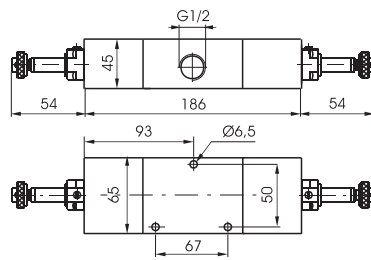
Operational characteristics

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with $\Delta p=1$ (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	3500 NI/min	mm 15	G 1/2"

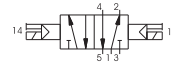
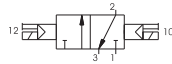
3/2
5/2

Solenoid - Solenoid

Ordering code
452/1.1.0.0.M2
TYPE
32=3 ways
52=5 ways



Weight gr. 1830
Minimum working pressure 2 bar



Weight gr. 2100
Minimum working pressure 2 bar

Operational characteristics

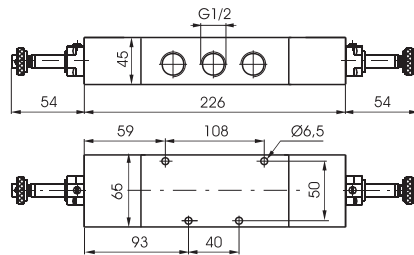
Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	3500 NI/min	mm 15	G 1/2"

2

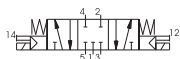
Solenoid - Solenoid

5/3

Ordering code
452/1.53.F.0.0.M2
FUNCTION
31=Closed centres
32=Open centres
33=Pressured centres



Weight gr. 2100
Minimum working pressure 3 bar



Operational characteristics

Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (NI/min)	Orifice size (mm)	Working ports size
Filtered and lubricated air	10 bar	-5 ÷ +50	3500 NI/min	mm 15	G 1/2"