

# VALVES 1



PNEUMAX GREEN LINE: TECHNOLOGY & INNOVATION





	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar, $\Delta p=1$	Orifice size
<b>Tube <math>\varnothing 4</math> 2/2</b>		Tappet - spring, lateral connection N.C.	104.22.0.1.LC	13 N	10 bar	90 NI/min	mm 2,5
		Tappet - spring, lateral connection N.O.	104.22.0.1.LA				
		Tappet - spring, rear connection N.C.	104.22.0.1.PC				
		Tappet - spring, rear connection N.O.	104.22.0.1.PA				
		Lever roller-spring, lateral connections, N.C.	104.22.2.1.LC	9 N			
		Lever roller-spring, lateral connections, N.O.	104.22.2.1.LA				
		Lever roller-spring, rear connections, N.C.	104.22.2.1.PC				
		Lever roller-spring, rear connections, N.O.	104.22.2.1.PA				
		Lever roller ball bearing-spring, lat. con., N.C.	104.22.2.1/1.LC				
		Lever roller ball bearing-spring, lat. con., N.O.	104.22.2.1/1.LA				
		Lever roller ball bearing-spring, rear con., N.C.	104.22.2.1/1.PC				
		Lever roller ball bearing-spring, rear con., N.O.	104.22.2.1/1.PA				
		Lever unidirectional, lateral connections, N.C.	104.22.3.1.LC	18 N			
		Lever unidirectional, lateral connections, N.O.	104.22.3.1.LA				
		Lever unidirectional, rear connections, N.C.	104.22.3.1.PC				
		Lever unidirectional, rear connections, N.O.	104.22.3.1.PA				
		Pushbutton - spring, lateral connec. N.C.	104.22.6.22/* .LC	19 N			
		Pushbutton - spring, lateral connec. N.O.	104.22.6.22/* .LA				
		Pushbutton - spring, rear connec. N.C.	104.22.6.22/* .PC				
		Pushbutton - spring, rear connec. N.O.	104.22.6.22/* .PA				
		Pushbutton 2 pos., lateral connec. N.C.	104.22.6.31.LC				
		Pushbutton 2 pos., lateral connec. N.O.	104.22.6.31.LA				
		Pushbutton 2 pos., rear connec. N.C.	104.22.6.31.PC				
		Pushbutton 2 pos., rear connec. N.O.	104.22.6.31.PA				
		Raised pushbut. - spring lateral connec. N.C.	104.22.6.23/* .LC	/			
		Raised pushbut. - spring lateral connec. N.O.	104.22.6.23/* .LA				
		Raised pushbut. - spring rear connec. N.C.	104.22.6.23/* .PC				
		Raised pushbut. - spring rear connec. N.O.	104.22.6.23/* .PA				
		Palm button 2 pos., lateral connec. N.C.	104.22.6.25.LC	/			
		Palm button 2 pos., lateral connec. N.O.	104.22.6.25.LA				
		Palm button 2 pos., rear connec. N.C.	104.22.6.25.PC				
		Palm button 2 pos., rear connec. N.O.	104.22.6.25.PA				
	Switch 2 pos. long lever, lateral conn. N.C.	104.22.6.27.LC	/				
	Switch 2 pos. long lever, lateral conn. N.O.	104.22.6.27.LA					
	Switch 2 pos. long lever, rear conn. N.C.	104.22.6.27.PC					
	Switch 2 pos. long lever, rear conn. N.O.	104.22.6.27.PA					
	Key switch, lateral connection N.C.	104.22.6.28.LC	/				
	Key switch, lateral connection N.O.	104.22.6.28.LA					
	Key switch, rear connection N.C.	104.22.6.28.PC					
	Key switch, rear connection N.O.	104.22.6.28.PA					

\* 1 = Red 2 = Black 3 = Green 4 = Yellow








































































1

	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
		Switch 2 pos. short lever lateral conn. N.C.	104.22.6.30.LC	/	10 bar	90 NI/min	mm 2,5
		Switch 2 pos. short lever lateral conn. N.O.	104.22.6.30.LA				
		Switch 2 pos. short lever rear conn. N.C.	104.22.6.30.PC				
		Switch 2 pos. short lever rear conn. N.O.	104.22.6.30.PA				
		Tappet - spring lateral connection N.C.	104.32.0.1.LC	13 N	10 bar	90 NI/min	mm 2,5
		Tappet - spring lateral connection N.O.	104.32.0.1.LA				
		Tappet - spring rear connection N.C.	104.32.0.1.PC				
		Tappet - spring rear connection N.O.	104.32.0.1.PA				
		Lever roller-spring, lateral connections, N.C.	104.32.2.1.LC	9 N	10 bar	90 NI/min	mm 2,5
		Lever roller-spring, lateral connections, N.O.	104.32.2.1.LA				
		Lever roller-spring, rear connections, N.C.	104.32.2.1.PC				
		Lever roller-spring, rear connections, N.O.	104.32.2.1.PA				
		Lever roller ball bearing-spring, lat. con., N.C.	104.32.2.1/1.LC				
		Lever roller ball bearing-spring, lat. con., N.O.	104.32.2.1/1.LA				
		Lever roller ball bearing-spring, rear con., N.C.	104.32.2.1/1.PC				
		Lever roller ball bearing-spring, rear con., N.O.	104.32.2.1/1.PA				
		Lever unidirectional, lateral connections, N.C.	104.32.3.1.LC	18 N	10 bar	90 NI/min	mm 2,5
		Lever unidirectional, lateral connections, N.O.	104.32.3.1.LA				
		Lever unidirectional, rear connections, N.C.	104.32.3.1.PC				
		Lever unidirectional, rear connections, N.O.	104.32.3.1.PA				
		Pushbutton - spring lateral connec. N.C.	104.32.6.22/* .LC	18 N	10 bar	90 NI/min	mm 2,5
		Pushbutton - spring lateral connec. N.O.	104.32.6.22/* .LA				
		Pushbutton - spring rear connec. N.C.	104.32.6.22/* .PC				
		Pushbutton - spring rear connec. N.O.	104.32.6.22/* .PA				
		Pushbutton 2 pos. lateral connec. N.C.	104.32.6.31.LC				
		Pushbutton 2 pos. lateral connec. N.O.	104.32.6.31.LA				
		Pushbutton 2 pos. rear connec. N.C.	104.32.6.31.PC				
		Pushbutton 2 pos. rear connec. N.O.	104.32.6.31.PA				
		Raised pushbut. - spring lateral connec. N.C.	104.32.6.23/* .LC	19 N	10 bar	90 NI/min	mm 2,5
		Raised pushbut. - spring lateral connec. N.O.	104.32.6.23/* .LA				
		Raised pushbut. - spring rear connec. N.C.	104.32.6.23/* .PC				
		Raised pushbut. - spring rear connec. N.O.	104.32.6.23/* .PA				
		Palm button 2 pos. lateral connec. N.C.	104.32.6.25.LC	19 N	10 bar	90 NI/min	mm 2,5
		Palm button 2 pos. lateral connec. N.O.	104.32.6.25.LA				
		Palm button 2 pos. rear connec. N.C.	104.32.6.25.PC				
		Palm button 2 pos. rear connec. N.O.	104.32.6.25.PA				
		Switch 2 pos. long lever lateral conn. N.C.	104.32.6.27.LC	/	10 bar	90 NI/min	mm 2,5
		Switch 2 pos. long lever lateral conn. N.O.	104.32.6.27.LA				
		Switch 2 pos. long lever rear conn. N.C.	104.32.6.27.PC				
		Switch 2 pos. long lever rear conn. N.O.	104.32.6.27.PA				

\* 1 = Red 2 = Black 3 = Green 4 = Yellow



	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
       		Key switch lateral connection N.C.	104.32.6.28.LC	/	10 bar	90 NI/min	mm 2,5
		Key switch lateral connection N.O.	104.32.6.28.LA				
		Key switch rear connection N.C.	104.32.6.28.PC				
		Key switch rear connection N.O.	104.32.6.28.PA				
		Switch 2 pos. short lever lateral conn. N.C.	104.32.6.30.LC				
		Switch 2 pos. short lever lateral conn. N.O.	104.32.6.30.LA				
		Switch 2 pos. short lever rear conn. N.C.	104.32.6.30.PC				
		Switch 2 pos. short lever rear conn. N.O.	104.32.6.30.PA				
             	5/2 	Pushbutton - spring lateral connection	104.52.6.22/* .L	/	10 bar	90 NI/min	mm 2,5
		Pushbutton - spring rear connection	104.52.6.22/* .P				
		Pushbutton 2 pos. lateral connection	104.52.6.31.L				
		Pushbutton 2 pos. rear connection	104.52.6.31.P				
		Raised pushbut. - spring lateral connection	104.52.6.23/* .L				
		Raised pushbut. - spring rear connection	104.52.6.23/* .P				
		Palm button 2 pos. lateral connection	104.52.6.25.L				
		Palm button 2 pos. rear connection	104.52.6.25.P				
		Switch long lever 2 pos. stable lateral conn.	104.52.6.27.L				
		Switch long lever 2 pos. stable rear conn.	104.52.6.27.P				
		Key switch 2 pos. stable lateral connection	104.52.6.28.L				
		Key switch 2 pos. stable rear connection	104.52.6.28.P				
Switch 2 pos. stable short lever lateral conn.		104.52.6.30.L					
Switch 2 pos. stable short lever rear conn.		104.52.6.30.P					
           	5/3 Open Centres 	Switch long lever 3 pos. instable lat. connec.	104.53.32.6.27.0.L	/	10 bar	90 NI/min	mm 2,5
		Switch long lever 3 pos. instable rear connec.	104.53.32.6.27.0.P				
		Switch long lever 3 pos. stable lateral connec.	104.53.32.6.27.1.L				
		Switch long lever 3 pos. stable rear connec.	104.53.32.6.27.1.P				
		Key switch 3 pos. instable lateral connection	104.53.32.6.28.0.L				
		Key switch 3 pos. instable rear connection	104.53.32.6.28.0.P				
		Key switch 3 pos. stable lateral connection	104.53.32.6.28.1.L				
		Key switch 3 pos. stable rear connection	104.53.32.6.28.1.P				
		Switch short lever 3 pos. instable lateral conn.	104.53.32.6.30.0.L				
		Switch short lever 3 pos. instable rear conn.	104.53.32.6.30.0.P				
		Switch short lever 3 pos. stable lateral conn.	104.53.32.6.30.1.L				
		Switch short lever 3 pos. stable rear conn.	104.53.32.6.30.1.P				
         	5/3 Pressured Centres 	Switch long lever 3 pos. instable lat. connec.	104.53.33.6.27.0.L	/	10 bar	90 NI/min	mm 2,5
		Switch long lever 3 pos. instable rear connec.	104.53.33.6.27.0.P				
		Switch long lever 3 pos. stable lateral connec.	104.53.33.6.27.1.L				
		Switch long lever 3 pos. stable rear connec.	104.53.33.6.27.1.P				
		Key switch 3 pos. instable lateral connection	104.53.33.6.28.0.L				
		Key switch 3 pos. instable rear connection	104.53.33.6.28.0.P				
		Key switch 3 pos. stable lateral connection	104.53.33.6.28.1.L				
		Key switch 3 pos. stable rear connection	104.53.33.6.28.1.P				
		Switch short lever 3 pos. instable lateral conn.	104.53.33.6.30.0.L				
		Switch short lever 3 pos. instable rear conn.	104.53.33.6.30.0.P				

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	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
5/3 Pressured Centres		Switch short lever 3 pos. stable lateral conn.	104.53.33.6.30.1.L	/	10 bar	90 NI/min	mm 2,5
		Switch short lever 3 pos. stable rear conn.	104.53.33.6.30.1.P				
<b>Accessories</b>		Push button protection cover	104.02	/	/	/	/
		Complete pneumatic operator	104.11				
		Complete lever roller operator	104.2.1				
		Complete lever roller ball bearing operator	104.2.1/1				
		Complete lever unidirectional operator	104.3.1				
		Push button	104.6.22/*				
		Raised push button	104.6.23/*				
		Palm button 2 positions	104.6.25				
		Switch long lever 2 positions stable	104.6.27				
		Switch long lever 3 positions instable	104.6.27.0				
		Switch long lever 3 positions stable	104.6.27.1				
		Key switch 2 positions stable	104.6.28				
		Key switch 3 positions instable	104.6.28.0				
		Key switch 3 positions stable	104.6.28.1				
		Switch short lever 2 positions stable	104.6.30				
		Switch short lever 3 positions instable	104.6.30.0				
		Switch short lever 3 positions stable	104.6.30.1				
		Push button 2 pos. (step. - step.)	104.6.31				
Joystick selector switch	104.6.39.0						
Fixing plate (complete with fixing screws)	104.00						
Contact electric element N.C.	104.NC						
Contact electric element N.O.	104.NA						














































\* 1 = Red 2 = Black 3 = Green 4 = Yellow





		Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar, Δp=1	Orifice size				
<b>M5</b>	3/2		Tappet-spring	105.32.0.1	14 N	10 bar	120 NI/min	mm 2,5				
			Lever roller spring	105.32.2.1	6 N							
			Lever roller ball bearings spring	105.32.2.1/1								
			Lever button spring	105.32.2.6/*								
			Lever unidirectional spring	105.32.3.1	/							
			Lever panel Ø 22 - 2 positions	105.32.4/*								
			Lever panel Ø 30 - 2 positions	105.32.5/*								
			Push button Ø 30 spring	105.32.6.1/*	14 N							
			Push button Ø 22 spring	105.32.6.2/*								
			Push button spring	105.32.6.22/**								
			Raised push button spring	105.32.6.23/**								
			Switch - 2 positions	105.32.6.27	/							
		Key switch - 2 positions	105.32.6.28									
		Handle with valve N.O.	105.32.6.40A	14 N								
		Handle with valve N.C.	105.32.6.40C									
		Palm pushbutton Ø 30 spring	105.32.7.1/*									
		Palm pushbutton Ø 22 spring	105.32.7.2/*	105.32.8.1/*								
		Push button spring	105.32.8.1/*									
		Push button - 2 positions	105.32.8/*	3 N								
		Whisker spring	105.32.9.1									
	5/2	5/2		Tappet spring	105.52.0.1				14 N	10 bar	120 NI/min	mm 2,5
				Lever roller spring	105.52.2.1				6 N			
				Lever roller ball bearing spring	105.52.2.1/1							
				Lever button spring	105.52.2.6/*							
			Lever roller unidirectional spring	105.52.3.1	/							
			Lever panel Ø 22 - 2 positions	105.52.4/*								
			Lever panel Ø 30 - 2 positions	105.52.5/*								
			Push button Ø 30 spring	105.52.6.1/*	14 N							
			Push button Ø 22- spring	105.52.6.2/*								
			Push button spring	105.52.6.22/**								
			Raised push button-spring	105.52.6.23/**								
			Switch 2 positions	105.52.6.27	/							
			Key switch 2 positions	105.52.6.28								
			Left Handle with valve	105.52.6.40	14 N							
			Right Handle with valve	105.52.6.40D								
			Palm push button Ø 30 spring	105.52.7.1/*								
			Palm push button Ø 22 spring	105.52.7.2/*	105.52.8.1/*							
			Push button - spring	105.52.8.1/*								
	Push button 2 positions	105.52.8/*	3 N									
	Whisker - Spring	105.52.9.1										

\* 1 = Red 2 = Black 3 = Green  
\*\* 1 = Red 2 = Black 3 = Green 4 = Yellow

		Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
<b>G1/8"</b>	3/2		Tappet spring	228.32.0.1	33 N	10 bar	540 NI/min	mm 6
			Tappet panel spring	228.32.1.1				
			Pedal aluminium 2-positions	228.32.10	/			
			Pedal aluminium spring	228.32.10.1				
			Pedal protected spring	228.32.10.1/1				
			Pedal prot. - Spring (no safety dev.)	228.32.10.2/1				
			Pedal protected - 2 positions	228.32.10/1				
			Lever plastic roller spring	228.32.2.1	15 N			
			Lever roller ball bearings spring	228.32.2.1/1				
			Lever metal roller spring	228.32.2.1/2				
			Lever button spring	228./32.2.6/*	/			
			Switch lateral 2-positions	228.32.27				
			Lever roller unidirectional spring	228.32.3.1	15 N			
			Lever roller unidirectional spring	228.32.3.1/2				
			Lever roller lateral bidirect. spring	228.32.4.1	/			
			Lever sensitive differential	228.32.4.13				
		Lever panel Ø 30 2-positions	228.32.5/*					
		Lever front 2-positions	228.32.55/*	33 N				
		Push button Ø 30 spring	228.32.6.1/*					
		Sensitive push button Ø 30 diff.	228.32.6.13/*	18,5 N				
		Push button spring	228.32.6.22/**	33 N				
		Raised push button spring	228.32.6.23/**					
		Palm button 2-positions	228.32.6.25	/				
		Switch 2 positions	228.32.6.27					
		Key switch 2-positions	228.32.6.28	33 N				
		Palm push button Ø 30 spring	228.32.7.1/*					
		Push button spring	228.32.8.1/*	10 N				
		Push button 2-positions	228.32.8/*	/				
		Lever lateral spring	228.32.9.1/*					
		Lever lateral 2 positions	228.32.9/*	33 N				
		Tappet spring	228.52.0.1					
	5/2		Tappet panel spring	228.52.1.1	/			
		Pedal aluminium 2 positions	228.52.10					
		Pedal aluminium spring	228.52.10.1	/				
		Pedal protected - spring	228.52.10.1/1					
		Pedal prot. - spring (no safety dev.)	228.52.10.2/1					
		Pedal plastic spring (miniatur)	228.52.10.1P					
		Pedal spring (miniat.stainless spool)	228.52.10.1PX					
		Pedal protected 2 positions	228.52.10/1	15 N				
		Lever plastic roller spring	228.52.2.1					
		Lever roller ball bearings - spring	228.52.2.1/1					
		Lever metal roller- spring	228.52.2.1/2	/				
		Lever button - spring	228.52.2.6/*					
		Switch lateral - 2 positions	228.52.27	15 N				
		Lever roller unidirectional - spring	228.52.3.1					





		Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
<b>G 1/8"</b>	5/2		Lever roller, unidirectional spring	228.52.3.1/2	15 N	10 bar	540 NI/min	mm 6
			Lever roller lateral bidir. - spring	228.52.4.1	/			
			Lever sensitive differential	228.52.4.13				
			Lever panel Ø 30 - 2 positions	228.52.5/*				
			Lever front 2 positions	228.52.55/*	33 N			
			Push button Ø 30 spring	228.52.6.1/*				
			Sensitive pushbutton Ø 30 differ.	228.52.6.13/*	18,5 N			
			Push button spring	228.52.6.22/**	33 N			
			Raised push button spring	228/.52.6.23/**				
			Palm pushbutton 2 positions	228/.52.6.25	/			
		Switch 2 positions	228.52.6.27					
		Key switch 2 positions	228.52.6.28					
		Palm push button Ø 30 spring	228.52.7.1/*	33 N				
		Pushbutton spring	228.52.8.1/*					
		Push button 2 positions	228.52.8/*	10 N				
		Lever lateral spring	228.52.9.1/*	/				
		Lever lateral 2 positions	228.52.9/*					
	5/3		Pedal spring - 3 positions	228.53.31.10.1	/	10 bar	410 NI/min	mm 6
			Lever lat. spring 3 pos. C.C.	228.53.31.9.1/*				
			Lever lateral 3 pos. C.C.	228.53.31.9/*				
		Pedal spring 3- pos. O.C.	228.53.32.10.1					
		Lever lateral spring 3 pos. O.C.	228.53.32.9.1/*					
		Lever lateral 3 pos. O.C.	228.53.32.9/*					
		Lever central ( 2 positions)	228.53.32.99.2/***					
		Lever central ( 3 positions)	228.53.32.99.3/***					
	Lever central - spring 3 positions	228.53.32.99/***						

\* 1 = Red 2 = Black 3 = Green  
 \*\* 1 = Red 2 = Black 3 = Green 4 = Yellow  
 \*\*\* 1 = Red 2 = Black









































		Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
G1/8"	3/2		Tappet spring	T228.32.0.1	33 N	10 bar	620 NI/min	mm 6
			Tappet panel spring	T228.32.1.1				
			Lever plastic roller spring	T228.32.2.1	15 N			
			Lever roller ball bearings spring	T228.32.2.1/1				
			Lever metal roller spring	T228.32.2.1/2				
			Lever button spring	T228/.32.2.6/*	15 N			
			Lever roller unidirectional spring	T228.32.3.1				
			Lever roller unidirectional spring	T228.32.3.1/2				
			Lever panel Ø 30 2-positions	T228.32.5/*	/			
			Push button Ø 30 spring	T228.32.6.1/*	33 N			
			Push button spring	T228.32.6.22/**	33 N			
			Raised push button spring	T228.32.6.23/**				
			Palm button 2-positions	T228.32.6.25	/			
			Switch 2 positions	T228.32.6.27				
			Key switch 2-positions	T228.32.6.28				
		Palm push button Ø 30 spring	T228.32.7.1/*	33 N				
		Push button spring	T228.32.8.1/*					
		Push button 2-positions	T228.32.8/*	10 N				
		Lever lateral spring	T228.32.9.1/*	/				
		Lever lateral 2 positions	T228.32.9/*					
	5/2		Tappet spring	T228.52.0.1	33 N			
			Tappet panel spring	T228.52.1.1				
			Lever plastic roller spring	T228.52.2.1	15 N			
			Lever roller ball bearings - spring	T228.52.2.1/1				
			Lever metal roller- spring	T228.52.2.1/2				
			Lever button - spring	T228.52.2.6/*	15 N			
			Lever roller unidirectional - spring	T228.52.3.1				
			Lever roller, unidirectional spring	T228.52.3.1/2				
			Lever panel Ø 30 - 2 positions	T228.52.5/*	/			
			Push button Ø 30 spring	T228.52.6.1/*	33 N			
			Push button spring	T228.52.6.22/**	33 N			
			Raised push button spring	T228/.52.6.23/**				
			Palm pushbutton 2 positions	T228/.52.6.25	/			
		Switch 2 positions	T228.52.6.27					
		Key switch 2positions	T228.52.6.28					
		Palm push button Ø 30 spring	T228.52.7.1/*	33 N				
		Pushbutton spring	T228.52.8.1/*					
		Push button 2 positions	T228.52.8/*	10 N				
	Lever lateral spring	T228.52.9.1/*	/					
	Lever lateral 2 positions	T228.52.9/*						
5/3		Lever lat. spring 3 pos. C.C.	T228.53.31.9.1/*	/	10 bar	410 NI/min	mm 6	
		Lever lateral 3 pos. C.C.	T228.53.31.9/*					
		Lever lateral spring 3 pos. O.C.	T228.53.32.9.1/*					
		Lever lateral 3 pos. O.C.	T228.53.32.9/*					

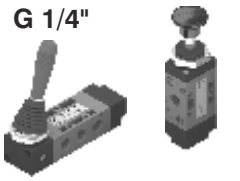










		Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar, Δp=1	Orifice size		
<b>G 1/4"</b> 	3/2		Tappet spring	224.32.1.1	71,5 N	10 bar	1360 NI/min	mm 8		
			Pedal aluminium 2 positions	224.32.10	/					
			Pedal aluminium - spring	224.32.10.1						
			Pedal protected 2 positions	214.32.10/1						
			Pedal protected - spring	214.32.10.1/1						
			Pedal prot. - spring (no safety dev.)	214.32.10.2/1						
			Lever roller spring	224.32.2.1					35 N	
			Lever roller unidirectional - spring	224.32.3.1						
			Push button 2 positions	224.32.8					105 N	
			Push button spring	224.32.8.1					71,5 N	
		Lever lateral spring	224.32.9.1/*	/						
		Lever lateral 2 positions	224.32.9/*							
	5/2		Tappet spring	224.52.1.1	71,5 N	10 bar	1360 NI/min	mm 8		
			Pedal aluminium 2 positions	224.52.10	/					
			Pedal aluminium- spring	224.52.10.1						
			Pedal protected 2 positions	214.52.10/1						
			Pedal protected spring	214.52.10.1/1						
			Pedal protected -spring (no saf.)	214.52.10.2/1						
			Lever roller spring	224.52.2.1					35 N	
			Lever roller unidirectional spring	224.52.3.1						
		Push button 2 positions	224.52.8	10 N						
		Push button spring	224.52.8.1	71,5 N						
	Lever lateral spring	224.52.9.1/*								
	Lever lateral 2 positions	224.52.9.2	/		10 bar	1020 NI/min	mm 7			
	Lever lateral with bloc. dev. 2 pos.	224.52.9/*	/		10 bar	1360 NI/min	mm 8			
5/3		Pedal 3 positions C.C	224.53.31.10	/	10 bar	1280 NI/min	mm 8			
		Pedal - spring 3 pos. C.C.	224.53.31.10.1							
		Lever lat. - spring 3 pos. C.C.	224.53.31.9.1/*							
		Lever lateral 3 pos. C.C.	224.53.31.9.2	/	10 bar	1020 NI/min	mm 7			
		Lev. lat. bloc. dev.-spring 3 pos. C.C.	224.53.31.9/*	/	10 bar	1280 NI/min	mm 8			
		Pedal aluminium 3 pos. O.C.	224.53.32.10							
		Pedal alum. spring 3 pos. O.C.	224.53.32.10.1							
		Lever lat. - spring 3 pos. O.C.	224.53.32.9.1/*							
		Lever lateral 3 pos. O.C.	224.53.32.9.2					/	10 bar	1020 NI/min
	Lev. lat. bloc. dev.-spring 3 pos. O.C.	224.53.32.9/*	/					10 bar	1280 NI/min	mm 8






\* 1 = Red 2 = Black 3 = Green



		Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
<b>G 1/4"</b> 	3/2		Push button - Spring	T224.32.8.1	/	10 bar	1050 NI/min	mm 8,5
			Push button 2 positions	T224.32.8				
			Lever lateral - Spring	T224.32.9.1/*				
			Lever lateral 2 positions	T224.32.9/*				
	5/2		Push button - Spring	T224.52.8.1	/	10 bar	1050 NI/min	mm 8,5
			Push button 2 positions	T224.52.8				

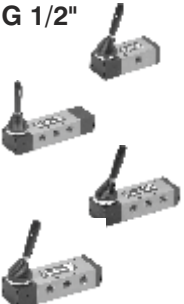

















\* 1 = Red 2 = Black 3 = Green



















	Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
<b>G 1/4"</b> 	5/2		Lever lateral - Spring	T224.52.9.1/*	10 bar	1050 NI/min
			Lever lateral 2 positions	T224.52.9/*		
	5/3		Lever lateral spring centre - 3 positions	T224.53.31.9.1/*	10 bar	900 NI/min
			Lever lateral - 3 positions detent	T224.53.31.9/*		

\* 1 = Red 2 = Black 3 = Green










	Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
<b>G 1/2"</b> 	3/2		Lever lateral - 2 positions	212.32.9	10 bar	3500 NI/min
			Lever lateral - Spring	212.32.9.1		
	5/2		Lever lateral - 2 positions	212.52.9	10 bar	3500 NI/min
			Lever lateral - Spring	212.52.9.1		
	5/3		Lever lateral - 3 pos. C.C.	212.53.31.9	10 bar	3000 NI/min
			Lever lateral - Spring 3 pos. C.C.	212.53.31.9.1		
		Lever lateral - 3 positions O.C.	212.53.32.9			
		Lever lateral - 3 positions O.C.	212.53.32.9.1			
<b>G 1"</b> 	3/2		Lever lateral - 2 positions	211.32.9	10 bar	6500 NI/min
			Lever lateral - Spring	211.32.9.1		
	5/2		Lever lateral - 2 positions	211.52.9	10 bar	6500 NI/min
			Lever lateral - Spring	211.52.9.1		
	5/3		Lever lateral - 3 positions C.C.	211.53.31.9	10 bar	6500 NI/min
			Lever lateral - Spring 3 pos. C.C.	211.53.31.9.1		
			Lever lateral - 3 positions O.C.	211.53.32.9		
			Lever lateral - Spring 3 pos. O.C.	211.53.32.9.1		















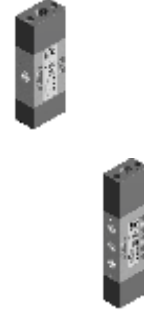













	Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
	2/2		Pneumatic - Spring, lateral connection N.C.	104.22.11.1.LC	10 bar (min. oper. pressure 2,5 bar)	90 NI/min
			Pneumatic - Spring, rear connection N.O.	104.22.11.1.LA		
			Pneumatic - Spring, lateral connection N.C.	104.22.11.1.PC		
			Pneumatic - Spring, rear connection N.O.	104.22.11.1.PA		
	3/2		Pneumatic - Spring lateral connection N.C.	104.32.11.1.LC	10 bar (min. oper. pressure 2,5 bar)	90 NI/min
			Pneumatic - Spring rear connection N.O.	104.32.11.1.LA		
			Pneumatic - Spring lateral connection N.C.	104.32.11.1.PC		
			Pneumatic - Spring rear connection N.O.	104.32.11.1.PA		
<b>M5</b> 	3/2		Pneumatic - Spring	105.32.11.1	2,5-10 bar	120 NI/min
			Pneumatic - Differential	105.32.11.12	2-10 bar	
			Pneumatic - Pneumatic	105.32.11.11	2-10 bar	
	5/2		Pneumatic - Spring	105.52.11.1	2,5-10 bar	
			Pneumatic - Differential	105.52.11.12	2,5-10 bar	
			Pneumatic - Pneumatic	105.52.11.11	2-10 bar	

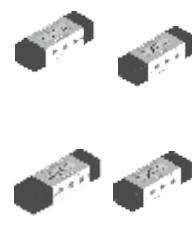











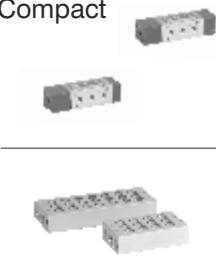






	Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
<b>M5 Compact</b> 	3/2	 Pneumatic - Spring	805.32.11.1	2-10 bar	160NI/min	mm 2,5
		 Pneumatic - Differential	805.32.11.12			
		 Pneumatic - Pneumatic	805.32.11.11			
	5/2	 Pneumatic - Spring	805.52.11.1	2-10 bar		
		 Pneumatic - Differential	805.52.11.12			
		 Pneumatic - Pneumatic	805.52.11.11	1,5-10 bar		






















	Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size	
<b>G 1/8"</b> 	3/2	 Pneumatic - Spring	228.32.11.1	2,5-10 bar	540 NI/min	mm 6	
		 Pneumatic - Differential external	228.32.11.12				
		 Pneumatic - Differential self aligned	228.32.11.12/1				
		 Pneumatic - Pneumatic	228.32.11.11	2-10 bar			
		 Amplified pneumatic - Spring	228.32.13.1	0,5-10 bar			
		5/2	 Pneumatic - Spring	228.52.11.1			2,5-10 bar
	 Pneumatic - Differential external		228.52.11.12				
	 Pneumatic - Differential self aligned		228.52.11.12/1				
	 Pneumatic - Pneumatic		228.52.11.11	2-10 bar			
	 Amplified pneumatic - Spring		228.52.13.1	0,5-10 bar			
	5/3		 Pneumatic - Pneumatic - C.C.	228.53.31.11.11			3-10 bar
		 Pneumatic - Pneumatic - O.C.	228.53.32.11.11				
 Pneumatic - Pneumatic - P.C.		228.53.33.11.11					
<b>G 1/8"</b> 	3/2	 Pneumatic - Spring	T228.32.11.1	10 bar	620 NI/min	mm 6	
		 Pneumatic - Differential external	T228.32.11.12				
		 Pneumatic - Differential self-feeding	T228.32.11.12/1				
		 Pneumatic - Pneumatic	T228.32.11.11				
	5/2	 Pneumatic - Spring	T228.52.11.1				10 bar
		 Pneumatic - Differential external	T228.52.11.12				
		 Pneumatic - Differential self-feeding	T228.52.11.12/1				
		 Pneumatic - Pneumatic	T228.52.11.11				
	5/3	 Pneumatic - Pneumatic	T228.53.31.11.11				10 bar
		 Pneumatic - Pneumatic	T228.53.32.11.11				
		 Pneumatic - Pneumatic	T228.53.33.11.11				













	Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
<b>G 1/8"</b> 	3/2	 Pneumatic - Spring	T488.32.11.1	10 bar	620NI/min	mm 6
		 Pneumatic - Differential (external)	T488.32.11.12			
		 Pneumatic - Pneumatic	T488.32.11.11			
	5/2	 Pneumatic - Spring	T488.52.11.1			
		 Pneumatic - Differential (external)	T488.52.11.12			
		 Pneumatic - Pneumatic	T488.52.11.11			
	5/3	 Pneumatic - Pneumatic - C.C.	T488.53.31.11.11	10 bar	410NI/min	
		 Pneumatic - Pneumatic - O.C.	T488.53.32.11.11			
		 Pneumatic - Pneumatic - P.C.	T488.53.33.11.11			

	Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
<b>M5 Compact</b> 	3/2	 Pneumatic - Spring	808.32.11.1	2-10 bar	520 NI/min	mm 4
		 Pneumatic - Differential	808.32.11.12			
		 Pneumatic - Pneumatic	808.32.11.11			
	5/2	 Pneumatic - Spring	808.52.11.1	2-10 bar		
		 Pneumatic - Differential	808.52.11.12			
		 Pneumatic - Pneumatic	808.52.11.11	1,5-10 bar		
		Clip	800.00			
		Closing plate	808.00	/	/	/
		Manifolds	808.**			

\*\* = seats number (from 2 up to 10)

	Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
<b>G 1/4"</b> 	3/2	 Pneumatic - Spring	224.32.11.1	2,5-10 bar	1360 NI/min	mm 8
		 Pneumatic - Differential external	224.32.11.12			
		 Pneumatic - Pneumatic	224.32.11.11	2-10 bar		
	5/2	 Pneumatic - Spring	224.52.11.1	2,5-10 bar		
		 Pneumatic - Differential external	224.52.11.12			
		 Pneumatic - Pneumatic	224.52.11.11	2-10 bar		
	5/3	 Pneumatic - Pneumatic - C.C.	224.53.31.11.11	3-10 bar	1280 NI/min	
		 Pneumatic - Pneumatic - O.C.	224.53.32.11.11			
		 Pneumatic - Pneumatic - P.C.	224.53.33.11.11			
	3/2	 Pneumatic - Spring	T224.32.11.1	10 bar	1050 NI/min	mm 8,5
		 Pneumatic - Differential external	T224.32.11.12			
		 Pneumatic - Pneumatic	T224.32.11.11			
5/2	 Pneumatic - Spring	T224.52.11.1	10 bar			
	 Pneumatic - Differential external	T224.52.11.12				
	 Pneumatic - Pneumatic	T224.52.11.11				
5/3	 Pneumatic - Pneumatic 3 positions	T224.53.31.11.11	10 bar	900 NI/min		
	 Pneumatic - Pneumatic 3 positions	T224.53.32.11.11				
	 Pneumatic - Pneumatic 3 positions	T224.53.33.11.11				

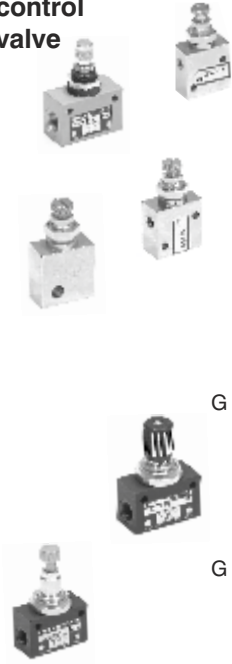
























	Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
<b>G 1/2"</b> 	3/2	 Pneumatic - Spring	212.32.11.1	2,5-10 bar	3500NI/min	mm 15
		 Pneumatic - Differential	212.32.11.12			
		 Pneumatic - Pneumatic	212.32.11.11	2-10 bar		
	5/2	 Pneumatic - Spring	212.52.11.1	2,5-10 bar		
		 Pneumatic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



		Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
<b>G 1/2"</b> Compact series	3/2		Pneumatic - Spring	212/2.32.11.1	2,5-10 bar	3600NI/min	mm 15
			Pneumatic - Differential	212/2.32.11.12			
			Pneumatic - Differential	212/2.32.11.12/1.C			
			Pneumatic - Differential	212/2.32.11.12/1.A			
	5/2		Pneumatic - Pneumatic	212/2.32.11.11			
			Pneumatic - Spring	212/2.52.11.1			
			Pneumatic - Differential	212/2.52.11.12			
			Pneumatic - Differential	212/2.52.11.12/1			
	5/3		Pneumatic - Pneumatic	212/2.53.31.11.11	3-10 bar	3300NI/min	
			Pneumatic - Pneumatic	212/2.53.32.11.11			
			Pneumatic - Pneumatic	212/2.53.33.11.11			
	<b>G 1"</b>	3/2		Pneumatic - Spring	211.32.11.1	2,5-10 bar	
			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			
















		Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
<b>Miniature flow control valve</b>	M5 tube Ø3		Bidirectional	6.01.305.1.1	10 bar	/	mm 1,5
			Bidirectional button	6.01.305.1.1P			
			Unidirectional 1-2	6.01.305.1.2			
			Unidirectional 2-1	6.01.305.2.1			
			Unidirectional button 1-2	6.01.305.1.2P			
			Unidirectional button 2-1	6.01.305.2.1P			
	M5 tube Ø3,17		Bidirectional	6.01.315.1.1			
			Bidirectional button	6.01.315.1.1P			
			Unidirectional 1-2	6.01.315.1.2			
			Unidirectional 2-1	6.01.315.2.1			
			Unidirectional button 1-2	6.01.315.1.2P			
			Unidirectional button 2-1	6.01.315.2.1P			
	M5 tube Ø4		Bidirectional	6.01.45.1.1			
			Bidirectional button	6.01.45.1.1P			
			Unidirectional 1-2	6.01.45.1.2			
			Unidirectional 2-1	6.01.45.2.1			
			Unidirectional button 1-2	6.01.45.1.2P			
			Unidirectional button 2-1	6.01.45.2.1P			


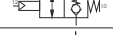


	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar, Δp=1	Orifice size	
<b>Flow control valve</b> 	M5	 Unidirectional connection in line	6.01.05	/	10 bar	/	mm 2	
		 Bidirectional connection in line	6.01.05/2					
		 Unidirectional connection at 90°	6.01.05.90					
		 Bidirectional connection at 90°	6.01.05.90/2					
		 Unidirectional through screw	6.01.05.180					
		 Bidirectional trough screw	6.01.05.180/2					
		 Unidirectional ultra sensitive	6.01.18/4					
		 Bidirectional ultra sensitive	6.01.18/5					
		 Unidirec. ultra sens. with lock nut	6.01.18/6					
		 Bidirec. ultra sens. with lock nut	6.01.18/7					
	G 1/8"	 Unidirectional	6.01.18N	/	10 bar	/	mm 4	
		 Unidirectional economic version	6.01.18NE					
		 Bidirectional	6.01.18/1N					
		 Bidirectional economic version	6.01.18/1NE					
	G 1/4"	 Compact type - unidirectional	6.01.14/1	/	10 bar	/	mm 5,5	
		 Unidirectional	6.01.14N	/	10 bar	/	mm 7	
		 Bidirectional	6.01.14/1N	/	10 bar	/	mm 7	
	G 1/2"	 Unidirectional	6.01.12N	/	10 bar	/	mm 12	
 Bidirectional		6.01.12/1N	/	10 bar	/			
G 3/4"	 Unidirectional	6.01.34	/	10 bar	/	mm 12		
<b>Quick exhaust valves</b> 		M5	6.02.05	/	10 bar	120 NI/min	/	
		G 1/8"	6.02.18			480 NI/min		
		G 1/4"	6.02.14			960 NI/min		
		G 1/2"	6.02.12			3300 NI/min		
<b>In line quick exhaust valves</b> 		M5, M5 inlet connection	6.02.M5.M5L	/	10 bar	90 NI/min	/	
		M7, M5 inlet connection	6.02.M5.M7L					
		G1/8", M5 inlet connection	6.02.M5.18L					
		M5, ø3 tube inlet connection	6.02.03.M5L					
		M7, ø3 tube inlet connection	6.02.03.M7L					
		G1/8", ø3 tube inlet connection	6.02.03.18L					
		M5, ø4 tube inlet connection	6.02.04.M5L			110 NI/min		
		M7, ø4 tube inlet connection	6.02.04.M7L					
		G1/8", ø4 tube inlet connection	6.02.04.18L					
		M5, ø6 tube inlet connection	6.02.06.M5L					90 NI/min
		M7, ø6 tube inlet connection	6.02.06.M7L					
		G1/8", ø6 tube inlet connection	6.02.06.18L					
		Ø4, ø4 inlet connection	6.02.04.04.L			110 NI/min		
		Ø6, ø6 inlet connection	6.02.06.06.L					
		Ø4, G1/8" inlet connection	6.02.18.04.L					
		Ø6, G1/8" inlet connection	6.02.18.06.L					
G1/8", G1/8" inlet connection	6.02.18.18.L							

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	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar, $\Delta p=1$	Orifice size	
<b>Exhaust flow control</b> 		M5	6.03.05	/	/	/	/	
		G 1/8"	6.03.18					
		G 1/4"	6.03.14					
		G 1/2"	6.03.12					
<b>Shuttle valve</b>  		"OR" M5	6.04.05	/	10 bar	110 NI/min	/	
		"OR" G 1/8"	6.04.18			700 NI/min		
		"OR" G 1/4"	6.04.14			2200 NI/min		
		"AND" M5	6.04.05/1			100 NI/min		
		"AND" G 1/8"	6.04.18/1	480 NI/min				
			"OR" Ø4	6.04.04	/	10 bar	105 NI/min	mm 2,5
			"OR" Ø4	6.04.04/1			105 NI/min	
		<b>Silencers steel wool</b> 		G 1/8"	6.05.18	/	/	/
G 1/4"	6.05.14							
G 3/8"	6.05.38							
G 1/2"	6.05.12							
<b>Silencers brass</b> 		M5	6.06.05	/	/	/	/	
		G 1/8"	6.06.18					
		G 1/4"	6.06.14					
		G 3/8"	6.06.38					
		G 1/2"	6.06.12					
		G 3/4"	6.06.34					
		G 1"	6.06.01					
<b>Poppet check valves</b> 		Poppet NBR M5	6.07.05	/	10 bar	160 NI/min	/	
		Poppet NBR G 1/8"	6.07.18			650 NI/min		
		Poppet NBR G 1/8" reduced	6.07.18R			100 NI/min		
		Poppet NBR G 1/4"	6.07.14			1150 NI/min		
		Poppet NBR G 3/8"	6.07.38			2600 NI/min		
		Poppet NBR G 1/2"	6.07.12			3500 NI/min		
		Poppet FPM G 1/8"	6.07.18V			650 NI/min		
		Poppet FPM G 1/8" reduced	6.07.18VR			100 NI/min		
		Poppet FPM G 1/4"	6.07.014V			1150 NI/min		
		Poppet FPM G 3/8"	6.07.38V			2600 NI/min		
		Poppet FPM G 1/2"	6.07.12V			3500 NI/min		











	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
<b>Manifold</b> 		4 connections M5	6.08.05/4	/	20 bar	/	/
		4 connections G 1/8"	6.08.18/4				
		4 connections G 1/4"	6.08.14/4				
		4 connections G 3/8"	6.08.38/4				
		4 connections G 1/2"	6.08.12/4				
		10 connections M5	6.08.05/8				
		10 connections G 1/8"	6.08.18/8				
		10 connections G 1/4"	6.08.14/8				
		10 connections G 3/8"	6.08.38/8				
		10 connections G 1/2"	6.08.12/8				
<b>Block valves</b> 	G 1/4"	 Unidirectional	6.09.14.UN	/	4 - 10 bar	700 NI/min	mm 7
		 Bidirectional	6.09.14.BN				
	G 1/2"	 Unidirectional	6.09.12.UN				
		 Bidirectional	6.09.12.BN				
<b>Economizer</b> 		 G 1/8" (adj. range 0 to 5.5 bar)	6.11.18	/	10 bar	860 NI/min	mm 6
		 G 1/4" (adj. range 0 to 5.5 bar)	6.11.14				
<b>Manifold G 1/8"</b> 		Max. valve thickness 18 mm	6.10.18.18/*	/	/	/	/
		Max. valve thickness 25 mm	6.10.18.25/*				
		Max. valve thickness 26 mm	6.10.18.26/*				
		Max. valve thickness 30 mm	6.10.18.30/*				
		Max. valve thickness 32 mm	6.10.18.32/*				
		Max. valve thickness 35 mm	6.10.18.35/*				
<b>Manifold G 1/4"</b> 		Max. valve thickness 20 mm	6.10.14.20/*	/	/	/	/
		Max. valve thickness 25 mm	6.10.14.25/*				
		Max. valve thickness 30 mm	6.10.14.30/*				
		Max. valve thickness 35 mm	6.10.14.35/*				
		Max. valve thickness 45 mm	6.10.14.45/*				
<b>Spray valve</b> 		M5 - G1"	6.13.00	/	3 - 10 bar	/	/

\* = seats number (from 2 up to 10)


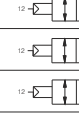
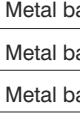
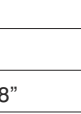
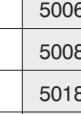

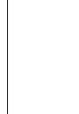

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	Description	Code	Operating force	Pressure min. - max.	Flow at 6 bar, $\Delta p=1$	Orifice size
<b>Pressure switch</b>  	Threaded connections	900.18.1-1	/	0,5-1 bar	/	/
	Threaded connections	900.18.1-4	/	3,5-4 bar	/	/
	Faston connections	900.18.1/1-1	/	0,5-1 bar	/	/
	Faston connections	900.18.1/1-4	/	3,5-4 bar	/	/
	Switch protection	900.18.0	/	/	/	/
<b>Impulse generators</b>  	G 1/8"	900.18.2N	/	10 bar	/	mm 2
<b>Pneumatic timers</b>  	N.C. 30 seconds	900.18.3	/	3-10 bar	130 NI/min	mm 2,5
	N.C. 60 seconds	900.18.3-60				
	N.O. 30 seconds	900.18.4		4-10 bar		
	N.O. 60 seconds	900.18.4-60				
<b>Two hands safety valves</b>  	Type III A (accor. to EN 574 standard)	900.18.9	/	3-8 bar	40 NI/min	mm 2,5
	Type III B (accor. to EN 574 standard)	900.18.10				
	Power valve adaptor	900.18.11				
<b>Flip - Flop</b>  	G 1/8"	900.52.1.2	/	10 bar	540 NI/min	mm 6
<b>Oscillator valve</b>  	Without "NOT" logic elements	900.52.5	/	2-8 bar	540 NI/min	mm 6
	Including "NOT" logic elements	900.52.5.C				
<b>External feeding base</b>  	For "NOT" logic elements	900.005	/	/	/	/
<b>Signal amplifier</b>  	G 1/8"	900.32.6	/	0,05-10 bar	130 NI/min	mm 3
<b>Progressive start-up valve</b>  	G 1/4"	900.14.7	/	2,5-10 bar	Flow rate needle fully open from 1 to 2 200 NI/min	mm 6
<b>High-low pressure device</b>  	Including pneumatic control	900.18.8P	/	10 bar	650 NI/min	/
	Including M2 mechanic	900.18.8E				



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	Symbol	Description	Code	Working pressure	Flow rate at 6 bar, Δp=1	Flow rate at atm. press.	Working temperature
<b>Unidirectional</b> G1/8" 		Metal banjo Ø4	500418U	0,5 - 10 bar	285 NI/min	450 NI/min	5 - 50 °C
		Metal banjo Ø6	500618U				
		Metal banjo Ø8	500818U				
		Metal banjo G1/8"	501818U				
		Banjo only	50A18U				
<b>Bidirectional</b> 		Metal banjo Ø4	500418B				
		Metal banjo Ø6	500618B				
		Metal banjo Ø8	500818B				
		Metal banjo G1/8"	501818B				
		Banjo only	50A18B				
<b>Unidirectional</b> G1/4" 		Metal banjo Ø6	500614U	0,5 - 10 bar	530 NI/min	800 NI/min	
		Metal banjo Ø8	500814U				
		Metal banjo Ø10	501014U				
		Metal banjo Ø14	501414U				
		Banjo only	50A14U				
<b>Bidirectional</b> 		Metal banjo Ø6	500614B				
		Metal banjo Ø8	500814B				
		Metal banjo Ø10	501014B				
		Metal banjo Ø14	501414B				
		Banjo only	50A14B				
<b>Unidirectional</b> G3/8" 		Metal banjo Ø6	500638U	0,5 - 10 bar	1000 NI/min	1600 NI/min	
		Metal banjo Ø8	500838U				
		Metal banjo Ø10	501038U				
		Metal banjo Ø12	501238U				
		Metal banjo G3/8"	503838U				
		Banjo only	50A38U				
<b>Bidirectional</b> 		Metal banjo Ø6	500638B				
		Metal banjo Ø8	500838B				
		Metal banjo Ø10	501038B				
		Metal banjo Ø12	501238B				
		Metal banjo G3/8"	503838B				
		Banjo only	50A38B				
<b>Unidirectional</b> G1/2" 		Metal banjo Ø12	501212U	0,5 - 10 bar	1300 NI/min	2600 NI/min	
		Metal banjo Ø14	501412U				
		Metal banjo G1/2"	50G1212U				
		Banjo only	50A12U				
<b>Bidirectional</b> 		Metal banjo Ø12	501212B				
		Metal banjo Ø14	501412B				
		Metal banjo G1/2"	50G1212B				
		Banjo only	50A12B				



	Symbol	Description	Code	Working pressure	Flow rate at 6 bar, $\Delta p=1$	Flow rate at atm. press.	Working temperature
<b>Unidirectional</b> G1/8"    <b>Bidirectional</b>		Technopolymer fitting Ø4	T500418U	0,5 - 10 bar	285 NI/min	450 NI/min	5 - 50 °C
		Technopolymer fitting Ø6	T500618U				
		Technopolymer fitting Ø8	T500818U				
		Technopolymer fitting Ø4	T500418B				
		Technopolymer fitting Ø6	T500618B				
		Technopolymer fitting Ø8	T500818B				
<b>Unidirectional</b> G1/4"    <b>Bidirectional</b>		Technopolymer fitting Ø6	T500614U	0,5 - 10 bar	530 NI/min	800 NI/min	
		Technopolymer fitting Ø8	T500814U				
		Technopolymer fitting Ø10	T501014U				
		Technopolymer fitting Ø6	T500614B				
		Technopolymer fitting Ø8	T500814B				
		Technopolymer fitting Ø10	T501014B				
<b>Unidirectional</b> G3/8"    <b>Bidirectional</b>		Technopolymer fitting Ø8	T500838U	0,5 - 10 bar	1000 NI/min	1600 NI/min	
		Technopolymer fitting Ø10	T501038U				
		Technopolymer fitting Ø12	T501238U				
		Technopolymer fitting Ø8	T500838B				
		Technopolymer fitting Ø10	T501038B				
		Technopolymer fitting Ø12	T501238B				
<b>Unidirectional</b> G1/2"    <b>Bidirectional</b>		Technopolymer fitting Ø10	T501012U	0,5 - 10 bar	1300 NI/min	2600 NI/min	
		Technopolymer fitting Ø12	T501212U				
		Technopolymer fitting Ø10	T501012B				
		Technopolymer fitting Ø12	T501212B				



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	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
		Unidirectional flow regulator	551.111.A.B.XX	/	10 bar	/	3 mm
		Bidirectional flow regulator	551.112.A.B.XX				
		In line pressure regulator (0-2 bar)	551.122.A.B.XX	/	10 bar	180 NI/min	/
		In line pressure regulator (0-4 bar)	551.124.A.B.XX				
		In line pressure regulator (0-8 bar)	551.128.A.B.XX				
		90° pressure regulator (0-2 bar)	551.222.A.B.XX	/	10 bar	180 NI/min	/
		90° pressure regulator (0-4 bar)	551.224.A.B.XX				
		90° pressure regulator (0-8 bar)	551.228.A.B.XX				
		Unidirectional blocking valve	551.131.A.B.XX	/	0,5 - 10 bar	285 NI/min	/
		Bidirectional blocking valve	551.132.A.B.XX				
		Unidirectional 90° blocking valve	551.231.A.B.XX	/	0,5 - 10 bar	285 NI/min	/
		Bidirectional 90° blocking valve	551.232.A.B.XX				
		Circuit selector valve - OR	551.141.A.B.C	/	10 bar	600 NI/min	/
		Circuit selector valve - AND	551.151.A.B.C				
		Quick exhaust valve	551.161.A.B.XX	/	10 bar	250 NI/min	/
		Pressure indicator	551.178.A.B.XX	/	8 bar	/	/
		Soft start valve in line	551.181.A.B.XX	/	0,2 - 10 bar	650 NI/min	/
		Soft start valve 90°	551.281.A.B.XX	/	0,2 - 10 bar	650 NI/min	/
		Unidirectional blocking valve + Unidirectional flow control valve	551.1F1.A.B.XX	/	0,5 - 10 bar	285 NI/min	/
		Bidirectional blocking valve + Bidirectional flow control valve	551.1F2.A.B.XX				
		Unidirectional blocking valve + Bidirectional flow control valve	551.1F3.A.B.XX				
		Bidirectional blocking valve + Unidirectional flow control valve	551.1F4.A.B.XX				
		Unidirectional blocking valve + Unidirectional flow control valve	551.2F1.A.B.XX	/	0,5 - 10 bar	285 NI/min	3 mm
		Bidirectional blocking valve + Bidirectional flow control valve	551.2F2.A.B.XX				
		Unidirectional blocking valve + Bidirectional flow control valve	551.2F3.A.B.XX				
		Bidirectional blocking valve + Unidirectional flow control valve	551.2F4.A.B.XX				
		Unidirectional blocking valve + Quick exhaust valve	551.1G1.A.B.XX	/	0,5 - 10 bar	285 NI/min	/
		Bidirectional blocking valve + Quick exhaust valve	551.1G2.A.B.XX				
		90° Unidirectional blocking valve + Quick exhaust valve	551.2G1.A.B.XX	/	0,5 - 10 bar	285 NI/min	/
		90° Bidirectional blocking valve + Quick exhaust valve	551.2G2.A.B.XX				
		In line pres. regulat. + pres. indicat. (0-2 bar)	551.1H2.A.B.XX	/	8 bar	/	/
		In line pres. regulat. + pres. indicat. (0-4 bar)	551.1H4.A.B.XX				
		In line pres. regulat. + pres. indicat. (0-8 bar)	551.1H8.A.B.XX				
		90° pres. regulat. + pres. Indic. (0-2 bar)	551.2H2.A.B.XX				
		90° pres. regulat. + pres. Indic. (0-4 bar)	551.2H4.A.B.XX				
	90° pres. regulat. + pres. Indic. (0-8 bar)	551.2H8.A.B.XX					

**CONNECTIONS LIST "A" - "B" :**

**00** = None  
**D4** = Straight ø4  
**D6** = Straight ø6




**D8** = Straight ø8  
**L1** = Female banjo G1/8"  
**G4** = Rotating banjo ø4

**G6** = Rotating banjo ø6  
**G8** = Rotating banjo ø8  
**M1** = G1/8" male












**M2** = G1/4" male  
**F1** = G1/8" female



**Accessories**




Coupling kit (pins and forks)	Fixing brackets	DIN rail adapter
<b>55160</b>	<b>55150</b>	<b>55116</b>
		

**Connections type**





ø4 straight cartridge	ø6 straight cartridge	ø8 straight cartridge
<b>551KD4</b>	<b>551KD6</b>	<b>551KD8</b>
		
ø4 banjo PL cartridge	ø6 banjo PL cartridge	ø8 banjo PL cartridge
<b>551KG4</b>	<b>551KG6</b>	<b>551KG8</b>
		
G 1/8" banjo female cartridge	G 1/8" male straight cartridge	G 1/4" male straight cartridge
<b>551KL1</b>	<b>551KM1</b>	<b>551KM2</b>
		
G1/8" female straight cartridge	Connection for multiple function	
<b>551KF1</b>	<b>551KUU</b>	
		



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	Code	Wall fixing screws	Assembly positions	Flow at 6,3 bar $\Delta p$ 1	Max. pressure	Temperature
	<b>17522AA . . .</b> C = 0 - 8 bar B = 0 - 4 bar (adjusting range) A = 0 - 2 bar  4 = Tube $\varnothing$ 4 mm 6 = Tube $\varnothing$ 6 mm (inlet connection)	/	Indifferent	120 NI/min		
	<b>17602A . . .</b> C = 0 - 8 bar B = 0 - 4 bar (adjusting range) A = 0 - 2 bar  0 = None 1 = G1/8" banjo 4 = Tube $\varnothing$ 4 mm 6 = Tube $\varnothing$ 6 mm 8 = Tube $\varnothing$ 8 mm	/	Indifferent	120 NI/min	10 bar	-5°C +50°C
	<b>17602B . . .</b> C = 0 - 8 bar B = 0 - 4 bar (adjusting range) A = 0 - 2 bar  0 = None 1 = G1/4" banjo 4 = Tube $\varnothing$ 4 mm 6 = Tube $\varnothing$ 6 mm 8 = Tube $\varnothing$ 8 mm	/	Indifferent	120 NI/min		



	Code	Wall fixing screws	Assembly positions	Flow at 6,3 bar $\Delta p$ 1	Max. pressure	Temperature
	<b>RDR3.40-MH05</b>	/	/	/		
	<b>RDR6.40-</b> MH12 = M6, H= 12mm FH12 = M6x0,75, H= 12mm	/	/	/		
	<b>RGR3.40-MH05</b>	/	/	/	10 bar	-20°C +70°C
	<b>RGR6.40-</b> MH12 = M6, H= 12mm FH12 = M6x0,75, H= 12mm	/	/	/		