

Poppet valves M5, G 1/8"

Series 700

Tappet

Lever roller

Lever button

Lever panel

Pushbutton

Whisker



General

The main characteristic of these valves is their poppet type construction. This offers superior resistance to adverse operating conditions such as dust particles in the compressed air, insufficient lubrication and so on.

On the other hand the valves operate as 3-ways or 2-ways only, normally closed, and the required operating force increases with increases in line pressure.

Construction characteristics

	M5	G 1/8"
Body	Nickel plated brass	Anodized aluminium
Actuators	Nickel plated brass Stainless steel for roller levers and button levers Plastic material for handles and buttons	Anodized aluminium
Seals	Oilproof rubber NBR	Oilproof rubber NBR
Spacers	Brass (OT 58)	Brass (OT 58)
Spool	Nickel plated steel (Kanigen)	Nickel plated steel (Kanigen)
Bottom plates	-	Plastic material
Spring	Stainless steel	Stainless steel

Use and maintenance

These valves have a mean life of 10 to 15 millions of cycles depending on application.

Proper lubrication with specified oil reduces dramatically the wear of the seals and good filtration insures long and trouble free operation. Check that the operating conditions are in accordance with the suggested pressure, temperature and so on.


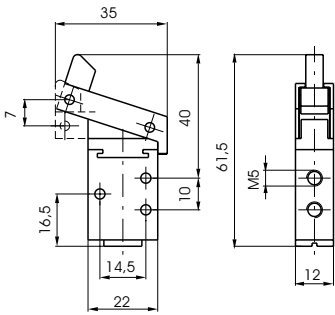

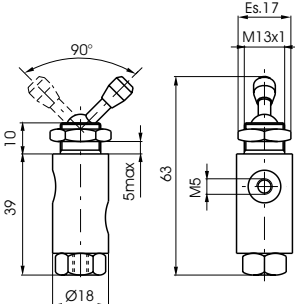

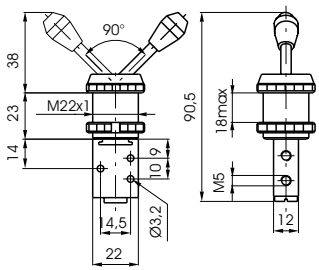

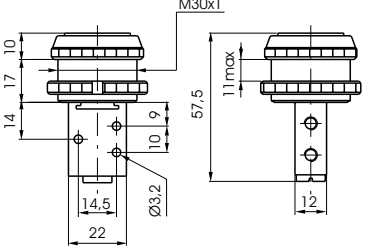
The exhaust ports of the distributor should be protected in a dusty and dirty environment.


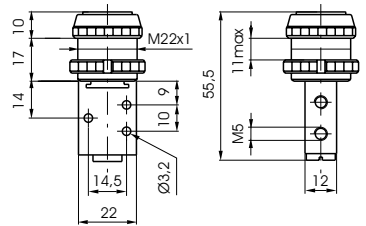
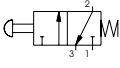

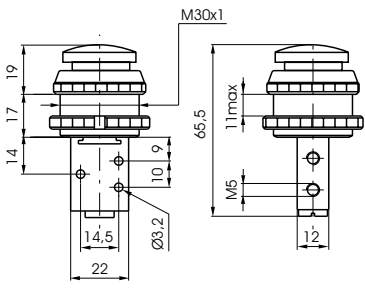
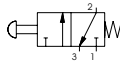

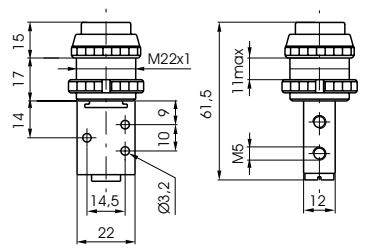
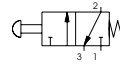

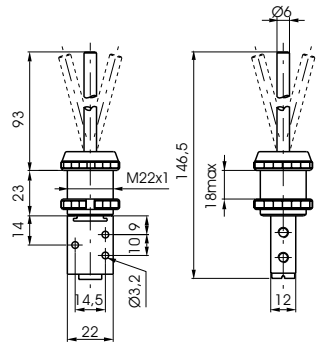
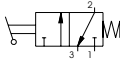
A spare parts kit including the spool complete of wearing seals and actuators is available for overhauling the valve. This simple operation does not require a skilled worker. Although particular care is needed for assembling the valve.

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


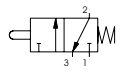
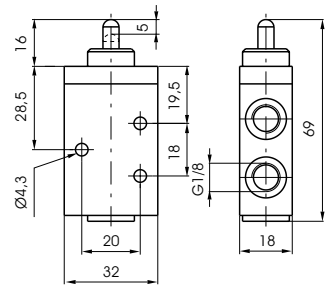

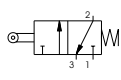
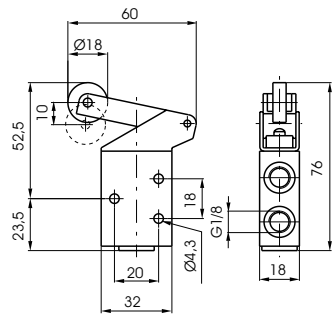

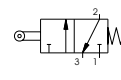
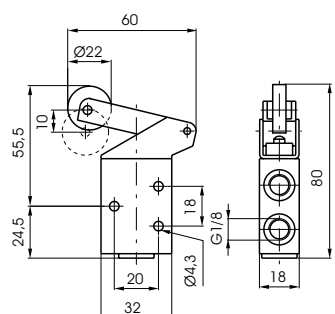

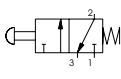
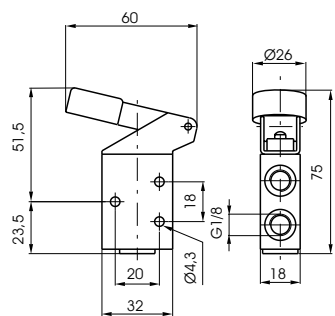
<p>Tappet spring</p>		3/2					
<p>Ordering code</p>							
<p>705.32.0.1</p>							
<p>Weight gr. 64</p>							
<p>Operating force 21,5 N (at 6 bar)</p>							
<p>Lever roller spring</p>		3/2					
<p>Ordering code</p>							
<p>705.32.2.1</p>							
<p>Weight gr. 80</p>							
<p>Operating force 10 N (at 6 bar)</p>							
<p>Lever roller ball bearing spring</p>		3/2					
<p>Ordering code</p>							
<p>705.32.2.1/1</p>							
<p>Weight gr. 95</p>							
<p>Operating force 10 N (at 6 bar)</p>							
<p>Lever button spring</p>		3/2					
<p>Ordering code</p>							
<p>705.32.2.6/1 Red 705.32.3.6/2 Black 705.32.2.6/3 Green</p>							
<p>Weight gr. 80</p>							
<p>Operating force 10 N (at 6 bar)</p>							
<p>Operational characteristics</p>	<p>Fluid</p>	<p>Max working pressure</p>	<p>Operating temperature</p>		<p>Flow rate at 6 bar with $\Delta p = 1$</p>	<p>Ø Orifice size</p>	<p>Working port size</p>
	<p>Filtered and lubricated air</p>	<p>10 bar</p>	<p>min. -5°C</p>	<p>max. +70°C</p>	<p>120 NI/min</p>	<p>mm 2,5</p>	<p>M5</p>



<p>Lever roller unidirectional spring</p>						3/2	
<p>Ordering code</p>							
<p>705.32.3.1</p>							
<p>Weight gr. 80</p>							
		<p>Operating force 10 N (at 6 bar)</p>					
<p>Lever panel Ø 13 2-positions</p>						3/2	
<p>Ordering code</p>							
<p>705.32.5</p>							
<p>Weight gr. 83</p>							
<p>Lever panel Ø 22 2-positions</p>						3/2	
<p>Ordering code</p>							
<p>705.32.55/1 Red</p>							
<p>705.32.55/2 Black</p>							
<p>705.32.55/3 Green</p>							
<p>Weight gr. 120</p>							
<p>Lever button Ø 30 spring</p>						3/2	
<p>Ordering code</p>							
<p>705.32.6.1/1 Red</p>							
<p>705.32.6.1/2 Black</p>							
<p>705.32.6.1/3 Green</p>							
<p>Weight gr. 118</p>							
		<p>Operating force 21,5 N (at 6 bar)</p>					
<p>Operational characteristics</p>	Fluid	Max working pressure	Operating temperature		Flow rate at 6 bar with $\Delta p = 1$	Ø Orefice size	Working port size
	Filtered and lubricated air	10 bar	min. -5°C	max. +70°C	120 NI/min	mm 2,5	M5

<p>Pushbutton Ø 22 mm spring</p>		3/2					
<p>Ordering code</p>		 					
<p>705.32.6.2/1 Red 705.32.6.2/2 Black 705.32.6.2/3 Green</p>							
 <p>Weight gr. 96</p>							
		Operating force 21,5 N (at 6 bar)					
<p>Palm pushbutton Ø 30 mm spring</p>		3/2					
<p>Ordering code</p>		 					
<p>705.32.7.1/1 Red 705.32.7.1/2 Black 705.32.7.1/3 Green</p>							
 <p>Weight gr. 120</p>							
		Operating force 21,5 N (at 6 bar)					
<p>Palm pushbutton Ø 22 mm spring</p>		3/2					
<p>Ordering code</p>		 					
<p>705.32.7.2/1 Red 705.32.7.2/2 Black 705.32.7.2/3 Green</p>							
 <p>Weight gr. 98</p>							
		Operating force 21,5 N (at 6 bar)					
<p>Whisker spring</p>		3/2					
<p>Ordering code</p>		 					
<p>705.32.9.1</p>							
 <p>Weight gr. 130</p>							
		Operating force 21,5 N (at 6 bar)					
<p>Operational characteristics</p>	Fluid	Max working pressure	Operating temperature		Flow rate at 6 bar with $\Delta p = 1$	Ø Orifice size	Working port size
	Filtered and lubricated air	10 bar	min. -5°C	max. +70°C	120 NI/min	mm 2,5	M5



<p>Tappet spring</p>		3/2					
<p>Ordering code</p>							
<p>718.32.0.1</p>							
							
<p>Weight gr. 90</p>							
		<p>Operating force 44 N (at 6 bar)</p>					
<p>Lever roller spring</p>		3/2					
<p>Ordering code</p>							
<p>718.32.2.1 Plastic roller 718.32.2.1/2 Metal roller</p>							
							
<p>Weight gr. 115</p>							
		<p>Operating force 20 N (at 6 bar)</p>					
<p>Lever roller ball bearing spring</p>		3/2					
<p>Ordering code</p>							
<p>718.32.2.1/1</p>							
							
<p>Weight gr. 130</p>							
		<p>Operating force 20 N (at 6 bar)</p>					
<p>Lever button spring</p>		3/2					
<p>Ordering code</p>							
<p>718.32.2.6/1 Red 718.32.2.6/2 Black 718.32.2.6/3 Green</p>							
							
<p>Weight gr. 120</p>							
		<p>Operating force 20 N (at 6 bar)</p>					
<p>Operational characteristics</p>	Fluid	Max working pressure	Operating temperature		Flow rate at 6 bar with $\Delta p = 1$	Ø Orefice size	Working port size
	Filtered and lubricated air	10 bar	max. -5° C	max. +70° C	570 NI/min	mm 5,5	G 1/8"



Lever roller unidirectional spring 3/2

Ordering code

718.32.3.1 Plastic roller
718.32.3.1/2 Metal roller



Weight gr. 110




Operating force 20 N (at 6 bar)

Push button Ø 30 mm spring 3/2

Ordering code

718.32.6.1/1 Red
718.32.6.1/2 Black
718.32.6.1/3 Green



Weight gr. 148




Operating force 44,3 N (at 6 bar)

Palm pushbutton Ø 30 mm spring 3/2

Ordering code

718.32.7.1/1 Red
718.32.7.1/2 Black
718.32.7.1/3 Green



Weight gr. 155




Operating force 44,3 N (at 6 bar)

Operational characteristics	Fluid	Max working pressure	Operating temperature		Flow rate at 6 bar with $\Delta p = 1$	Ø Orefice size	Working port size
	Filtered and lubricated air	10 bar	min. -5°C	max. +70°C	570 NI/min	mm 5,5	G 1/8"