

## Directional valves → Supplementary products

**5/2-way valve, Series ST**

► Qn= 280 l/min ► pipe connection ► compressed air connection output: G 1/8 ► With spring return



00108065

## Version

## Sealing principle

Working pressure min./max.

Ambient temperature min./max.

Medium temperature min./max.

## Medium

Max. particle size

Oil content of compressed air

Mounting screw

mounting screw tightening torque

## Spool valve

not lockable

metal/metal sealing

-0.95 bar / 10 bar

-15°C / +80°C

-15°C / +80°C

Compressed air

5 µm

5 mg/m<sup>3</sup> - 25 mg/m<sup>3</sup>

M4 with hexagon socket

2.5 Nm

## Materials:

Housing

Stainless steel, hardened

**Technical Remarks**

- Notice: This product may only be operated with oiled compressed air.

	Actuating element	Compressed air connection			Qn	Actuating force Min.	Actuating torque Min.	Part No.
		Input	Output	Exhaust				
					[l/min]	[N]	[Nm]	
	Plunger	G 1/8	G 1/8	G 1/8	280	11	-	<b>0820403001</b>
	Roller	G 1/8	G 1/8	G 1/8	280	6.5	-	<b>0820403002</b>
	Roller lever, one-way trip	G 1/8	G 1/8	G 1/8	280	6.5	-	<b>0820403003</b>
	Push button	G 1/8	G 1/8	G 1/8	280	6.5	-	<b>0820403004</b>
	Lever	G 1/8	G 1/8	G 1/8	280	-	0.02	<b>0820403005</b>
	Roller with single-action lever	G 1/8	G 1/8	G 1/8	280	10	-	<b>0820403016</b>
	Roller with articulated lever	G 1/8	G 1/8	G 1/8	280	25	-	0820403017
	Plunger	G 1/8	G 1/8	G 1/8	280	5	-	<b>0820403019</b>
	panel installation	G 1/8	G 1/8	G 1/8	280	11	-	<b>R422002213</b>

## Supplementary products

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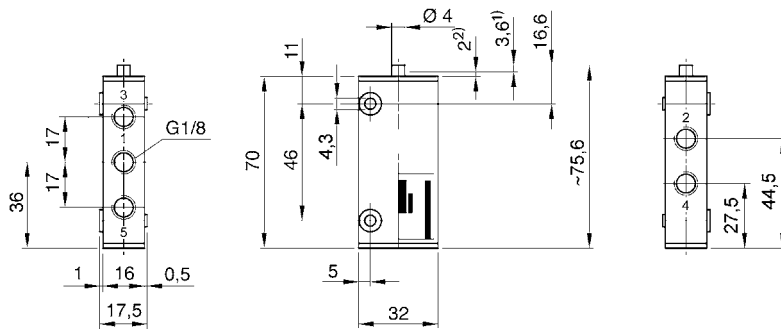
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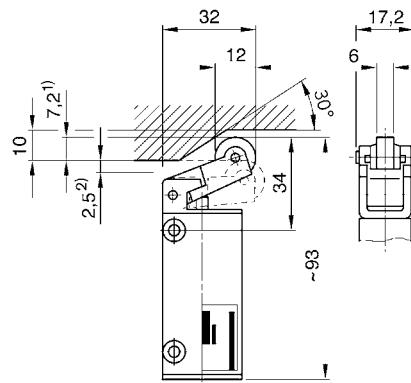
Part No.	Material: Actuating control	Weight	Fig.	Note
		[kg]		
<b>0820403001</b>	Stainless steel	0.22	Fig. 1	-
<b>0820403002</b>	Polyoxymethylene	0.23	Fig. 2	-
<b>0820403003</b>	Polyoxymethylene	0.23	Fig. 3	-
<b>0820403004</b>	Polyamide	0.23	Fig. 4	-
<b>0820403005</b>	Polyamide	0.22	Fig. 5	-
<b>0820403016</b>	Polyoxymethylene	0.34	Fig. 6	-
0820403017	Polyoxymethylene	0.34	Fig. 7	-
<b>0820403019</b>	Stainless steel	0.22	Fig. 8	-
<b>R422002213</b>	Polyoxymethylene	0.22	Fig. 9	1)

1) Please order control button separately.  
Nominal flow Qn at 6 bar and  $\Delta p = 1$  bar

**Dimensions, Fig. 1, Basic valve**

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1) Actuating stroke 2) overstroke  
connection via 2 through-holes in housing  
Dimensions of basic valve apply to all types of actuation.

**Dimensions, Fig. 2**

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1) Actuating stroke 2) overstroke  
connection via 2 through-holes in housing

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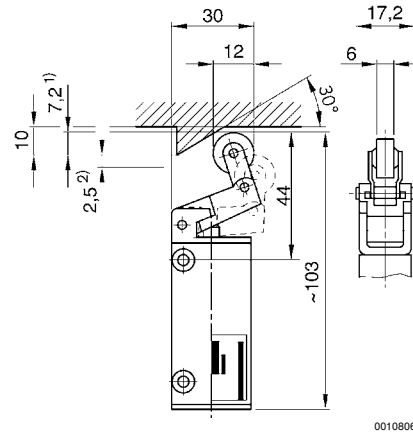
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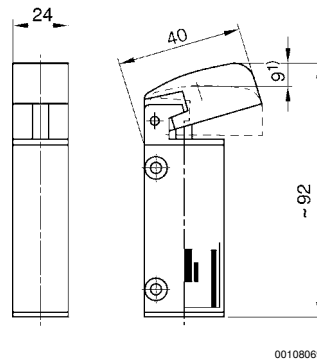
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Dimensions, Fig. 3



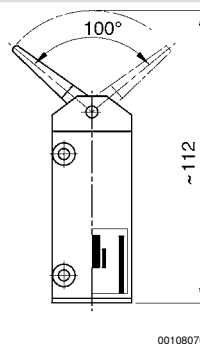
1) Actuating stroke 2) overstroke  
connection via 2 through-holes in housing

Dimensions, Fig. 4



1) actuating stroke  
Mounting via 2 through-holes in housing

Dimensions, Fig. 5



Mounting via 2 through-holes in housing

## Supplementary products

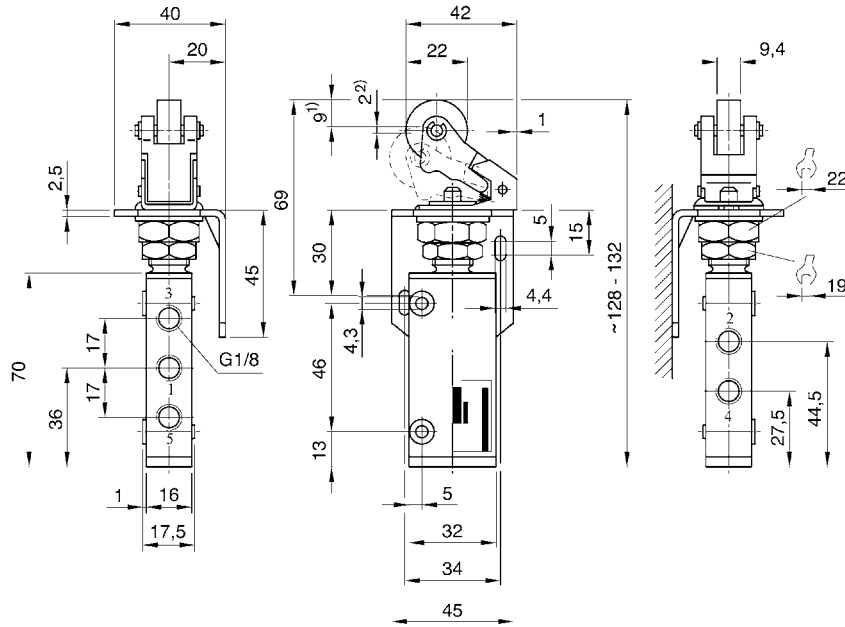
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Dimensions, Fig. 6

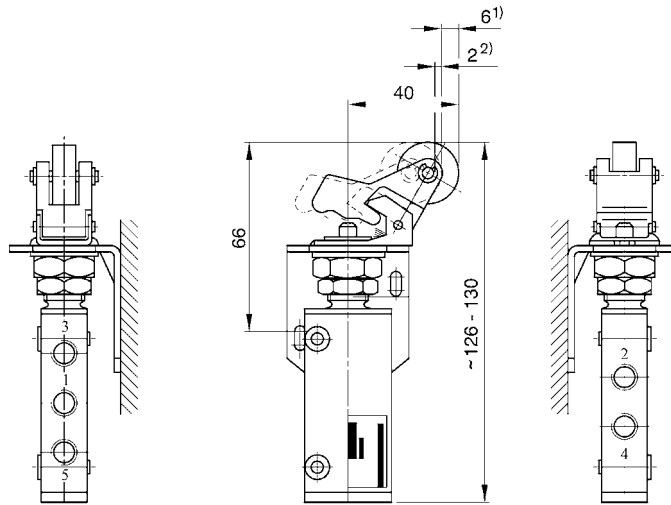


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1) actuating stroke 2) overstroke

Can be adjusted by 90°, thereby providing 4 different angles of approach.

Dimensions, Fig. 7



00108073

1) actuating stroke 2) overstroke

Can be adjusted by 90°, thereby providing 4 different angles of approach.

## Supplementary products

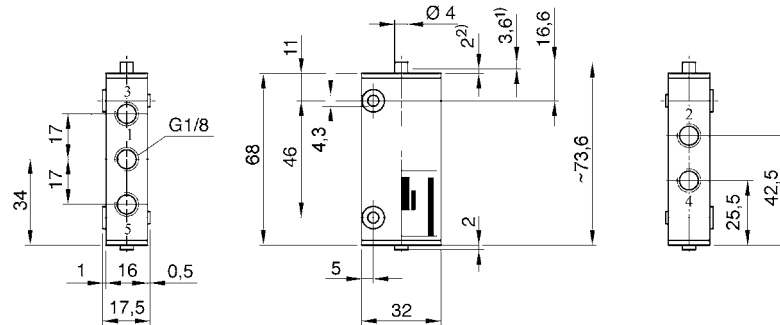
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Dimensions, Fig. 8



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1) actuating stroke 2) overstroke

connection via 2 through-holes in housing. If the plunger is displaced all the way to the housing cover, the actuating stroke changes from 3.6 to 5.6 mm.

## Supplementary products

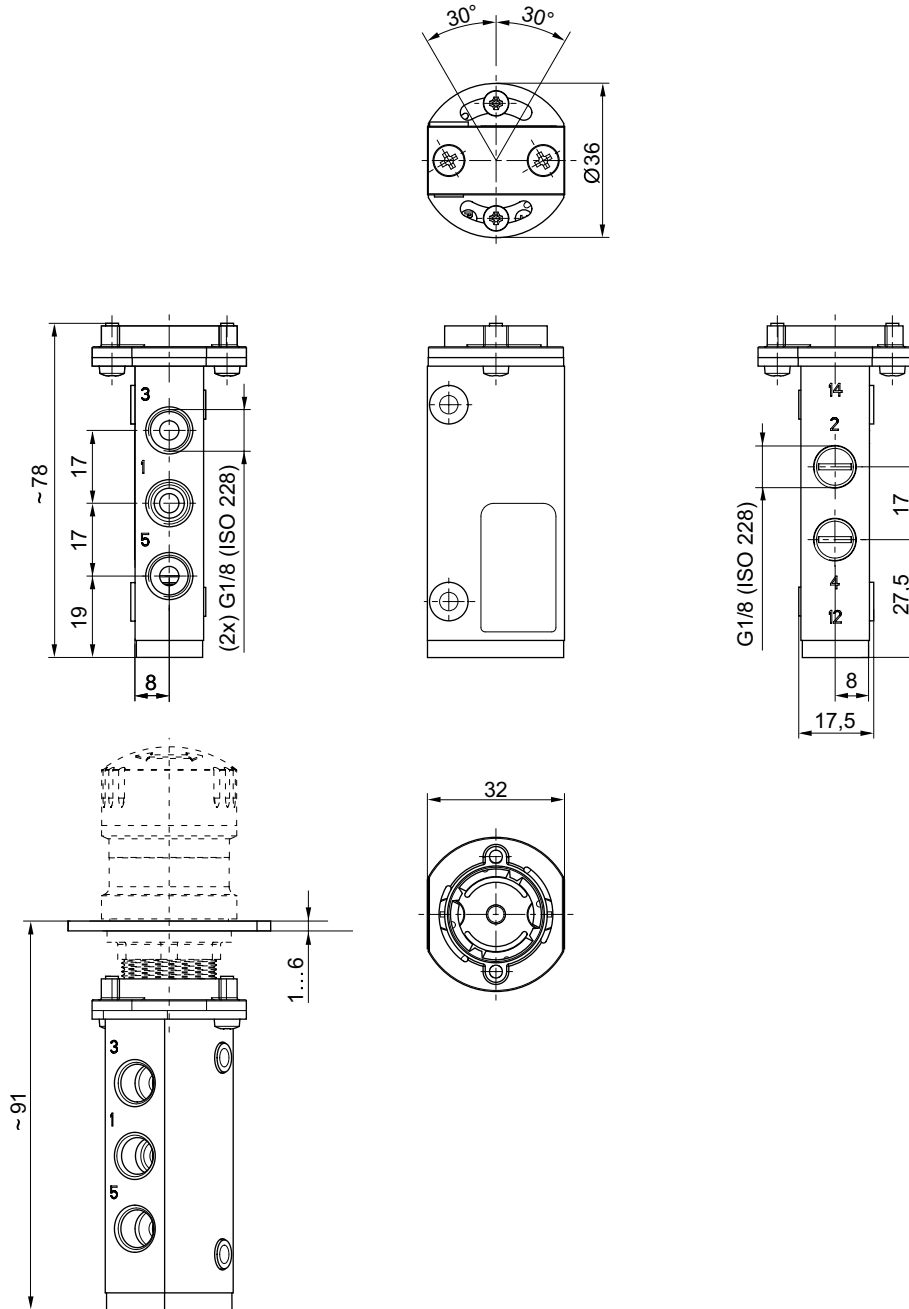
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Dimensions, Fig. 9



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## Supplementary products

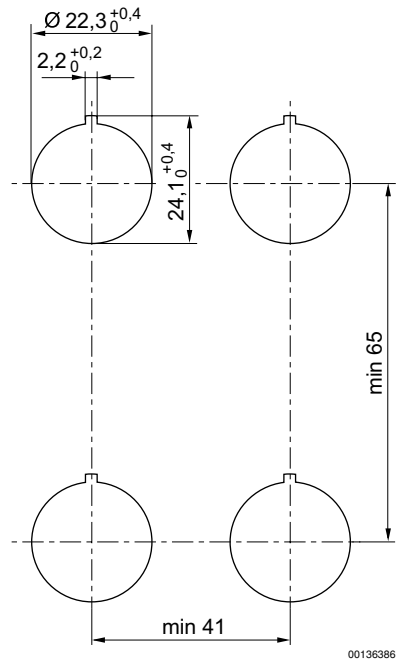
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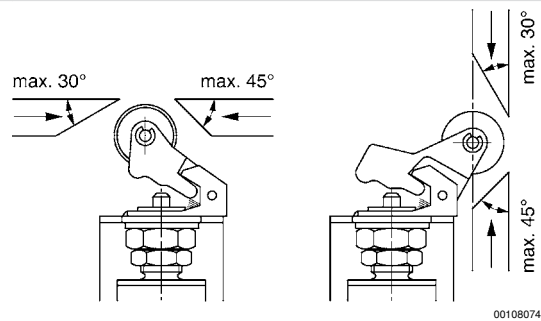
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## Dimensions, cut-out in the front plate



## angle of approach for 0820403016 and 0820403017



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