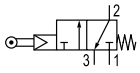
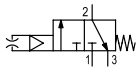
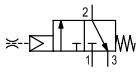
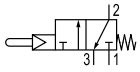
3/2-directional valve, Series ST

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

Version	Spool valve
	not lockable
Sealing principle	metal/metal sealing
Working pressure min./max.	2 bar / 10 bar
Ambient temperature min./max.	-15°C / +80°C
Medium temperature min./max.	-15°C / +80°C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	5 mg/m³ - 25 mg/m³
Switching principle	3/2-directional valve, with spring return
Mounting screw	M4 with hexagon socket
Mounting screw tightening torque	2.5 Nm
Materials:	
Housing	Stainless steel, hardened

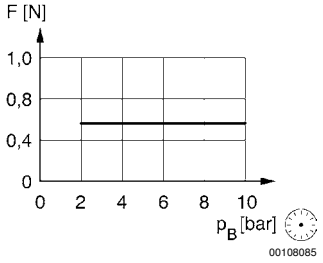
Technical Remarks

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

	Actuating element	Compressed air connection			Qn	Material: Actuating control	Weight	Fig.	Note	Part No.
		Input	Output	Exhaust						
					[l/min]		[kg]			
	Ball	G 1/8	G 1/8	G 1/8	280	Stainless steel	0.18	Fig. 1	-	**0820402014**
	with nozzle closing	G 1/8	G 1/8	G 1/8	280	Brass	0.17	Fig. 2	-	0820402015
	Via nozzle in line	G 1/8	G 1/8	G 1/8	280	Brass	0.16	Fig. 3	-	0820402018
	Spring-loaded rod	G 1/8	G 1/8	G 1/8	280	-	0.18	Fig. 4	1)	**0820402023**

1) See diagram
Nominal flow Qn at 6 bar and Δp = 1 bar

Diagram, Fig. 1



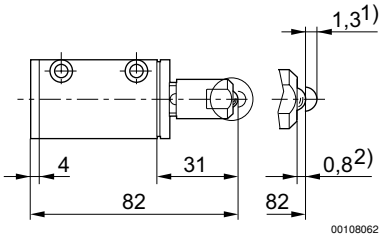
F = actuating force at the rear end of the spring-loaded rod
P_B = Working pressure

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

3/2-directional valve, Series ST

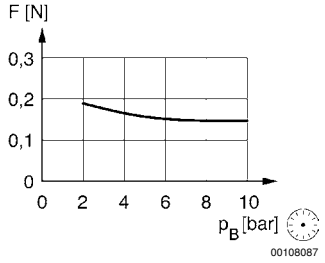
► With spring return ► Qn= 280 l/min ► pipe connection ► compressed air connection output: G 1/8

Dimensions, Fig. 1



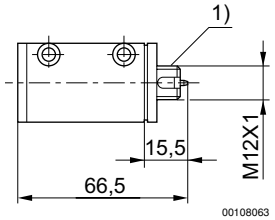
1) Actuating stroke 2) overstroke
connection via 2 through-holes in housing

Diagram, Fig. 2



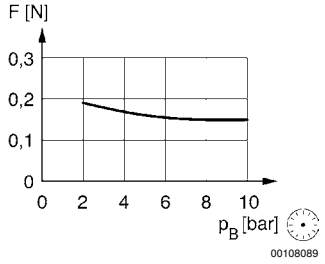
F = actuating force at the rear end of the spring-loaded rod
P_B = Working pressure

Dimensions, Fig. 2



1) not intended as mounting thread
Mounting via 2 through-holes in housing

Diagram, Fig. 3



F = actuating force at the rear end of the spring-loaded rod
P_B = Working pressure

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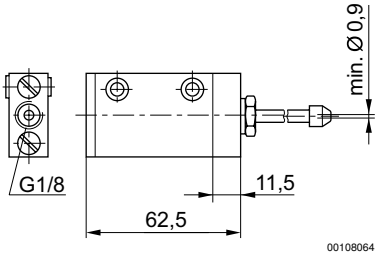
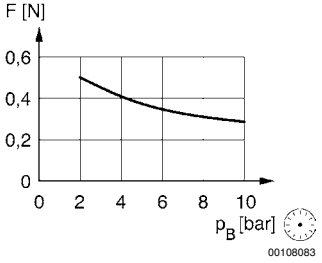
Dimensions, Fig. 3



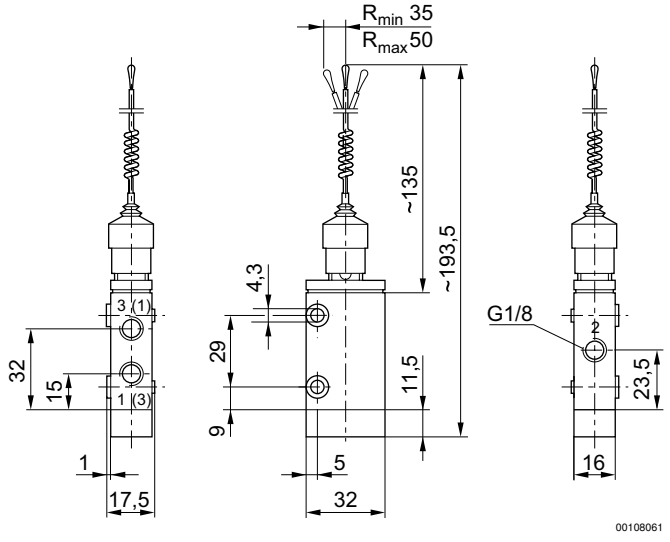
Mounting via 2 through-holes in housingnozzle and tubing, not included in scope of delivery

Diagram, Fig. 4



F = actuating force at the rear end of the spring-loaded rod
P_B = Working pressure

Dimensions, Fig. 4



Mounting via 2 through-holes in housing