

Vacuum cups			Adapter			Vacuum generator								
SA	SAV	VGS	FA	FB	FC	FD	FE	FAV	FBV	FCV	FOV	FEV	SAM	SAVM
SI	SGA	HS	<b>SH</b>	SHD										



## Compact linear cylinder

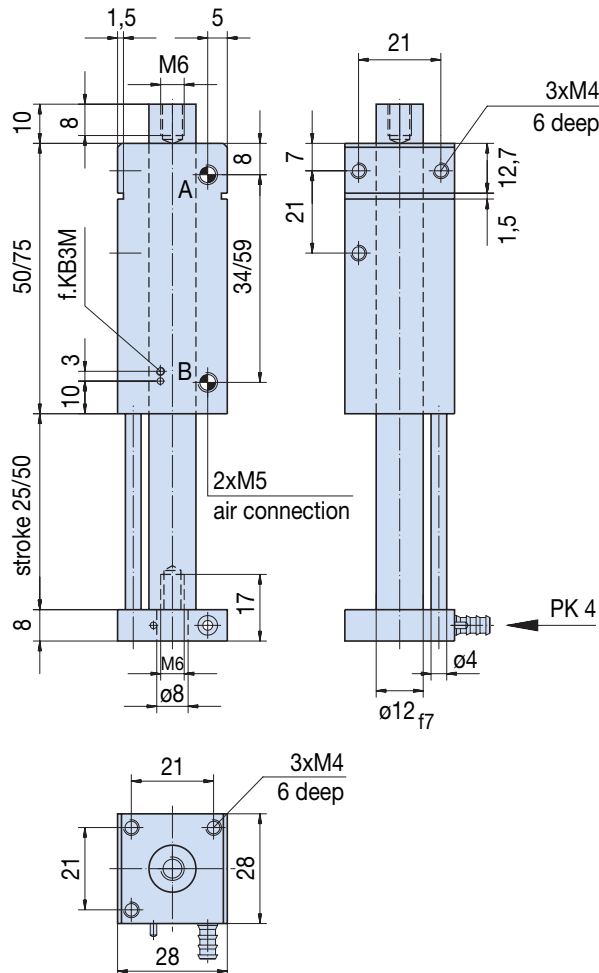
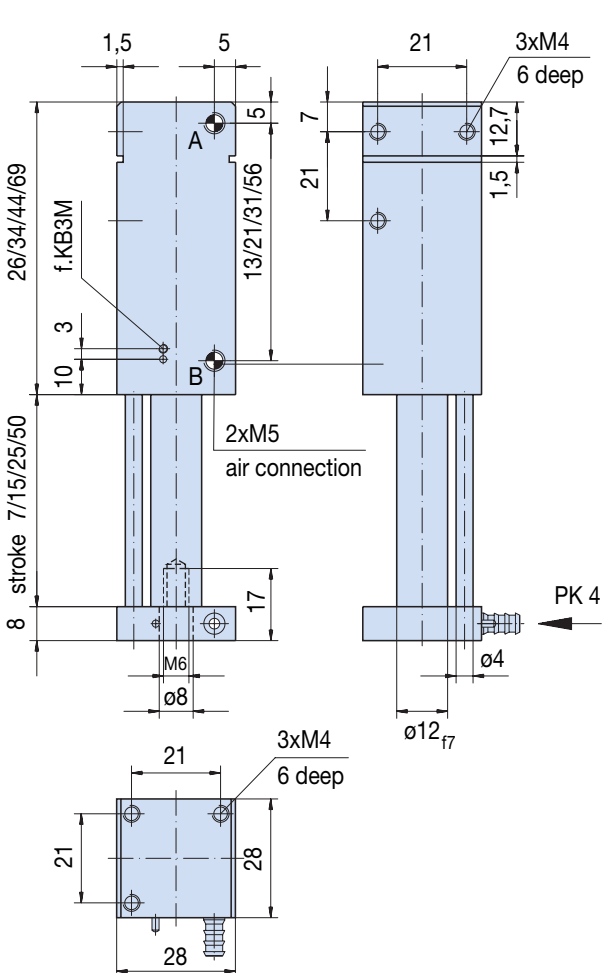
... the clever alternative...vacuum and lift in one unit!...

- ▶ integrated vacuum generator
- ▶ vacuum (bar) -0,8

Order no.:					
SH7	SH15	SH25	SH50	SHD25	SHD50
Stroke [mm]:					
7	15	25	50	25	50
Max. pressing force[N]					
170	170	170	170	100	100
Tensile force, max. [N]					
100	100	100	100	100	100
Air volume per cycle [cm³]:					
4	9	15	30	12	25
Min./max. operating temperature. [°C]:					
5/80	5/80	5/80	5/80	5/80	5/80
Temp. resistant version up to 150° C [addition when ordering]:					
T1	T1	T1	T1	T1	T1
Weight [kg]:					
0,090	0,100	0,130	0,180	0,190	0,270

All data measured at 6 bar.

### SH



Linear cylinders with vacuum cups combine to make one very efficient vacuuming package. The short and compact design of the cylinder (available with a stroke of 7, 15, 25 or 50 mm) is particularly well-suited for applications within a limited space. The piston rod is attached to a plate onto which an antirotation guide rod and Venturi nozzle have also been attached. Compressed air passes directly to the Venturi nozzle, creating vacuum. An M6 tapped hole can be used to attach "SG" vacuum cups  $\varnothing 10$  to  $\varnothing 60$  mm.

These models are also available in heat resistant versions (up to 200° C). Just add the suffix "Si" to your order.

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Grippers
Separators
Swivel units
Rotating jaws
Axial compensators
Tool changers
Linear cylinders
Shock absorbers
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