

Vacuum security valve ISV for modular vacuum gripper ESG

FESTO



Absolutely reliable!

Always a safe bet: The new vacuum security valve ISV not only ensures absolutely reliable gripping but also prevents the collapse of vacuum if a suction cup has not gripped a workpiece correctly. Ideal for use with the comprehensive ESG range of suction grippers, providing, with the answer to every application from a colossal choice of over 5,000 combinations!

Reliable ...

since it prevents a collapse of the vacuum circuit. With several suction cups connected in parallel, an ISV can shut off the vacuum line or supply in the case of a leakage or if a workpiece accidentally becomes detached from a suction cup.

Always cost-effective ...

since exactly the right size can be selected for an optimum application. Slight leaks can be compensated for by the bypass.

High operational reliability ...

thanks to cleanliness! The built-in filter prevents dirt picked up by the vacuum gripper from entering the vacuum circuit.



3-fold reliability: Reliable vacuum!

Reliable gripping!

Reliable system operation!

429.1.PSI →

Product Short Information

Vacuum security valve ISV for modular vacuum gripper ESG

Technical data

Size	M4	M6	M10
Operating medium	Atmospheric air		
Installation position	As desired		
Operating pressure [bar]	-1...7 bar		
Nominal size [mm]	-	0.4*	
Nominal size [mm]	0.4	4**	
Ambient temperature [°C]	-10 ... +60		
Corrosion resistance class CRC	2		
Volumetric flow rate [l/min.]	1	1	1
Switching flow rate [l/min.]	-	8	
Degree of filtration [µm]	200		
Weight [g]	1.4	11.6	17.6

* In closed state ** In open state

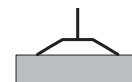
Optimum combinations:

Vacuum security valves ISV and suction cups in the ESG range. The modular ESG product system offers over 5,000 variants for all kinds of applications, temperature ranges and materials properties – if required, including materials approved for use in the food industry.

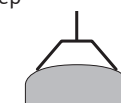


The types of suction cups available in the ESG range

Standard



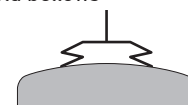
Extra-deep



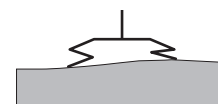
Oval



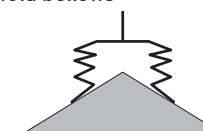
1.5-fold bellows



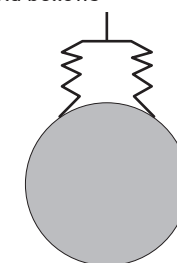
1.5-fold bellows



3.5-fold bellows

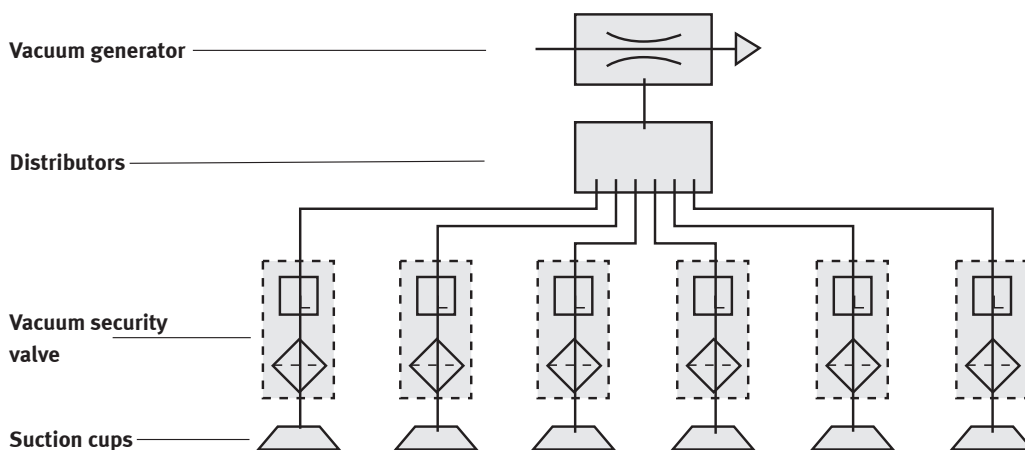


3.5-fold bellows



A secure system:

Example of application with several suction cups, each fitted individually with a vacuum security valve ISV.



Vacuum selection program:

Allows selection of suction cups, tubing and vacuum generators. Integrated into the Festo electronic catalogue, this program can also be used if desired to transfer components to a catalogue ordering list.



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