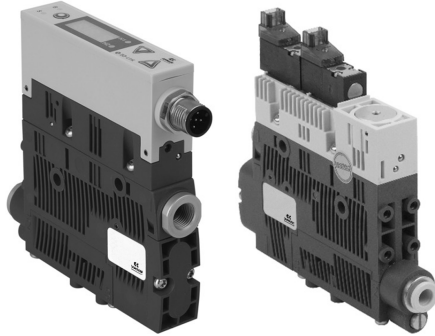


Compact ejectors Series VES

New

Compact vacuum generators with a high suction speed and reduced air consumption.
Nozzle diameter: 1.0 - 1.5 mm



- » Consumption reduced to 80%
- » I/O Link version
- » Easy monitoring of system conditions thanks to the large, bright display
- » Compact and extremely robust unit for direct assembly on the handling system

Series VES compact ejectors are available in three versions: with control solenoid valves without air saving circuit (B), with digital inputs and air saving circuit (S) and with I/O-Link communication and air saving circuit (I).
Reduced weight and dimensions make this series the perfect solution for handling small, smooth and non porous or slightly porous items in dynamic applications. These devices are frequently used in automated systems with high cycle rates like, for example, industrial robots and gantry systems.

GENERAL DATA

Description	Basic ejector
Materials	Technopolymer body Brass nozzle
Suction capacity	36 l/min (10) - 65.6 l/min (15)
Vacuum max.	85 %
Nozzle	1.0 mm (10) - 1.5 mm (15)

CODING EXAMPLE

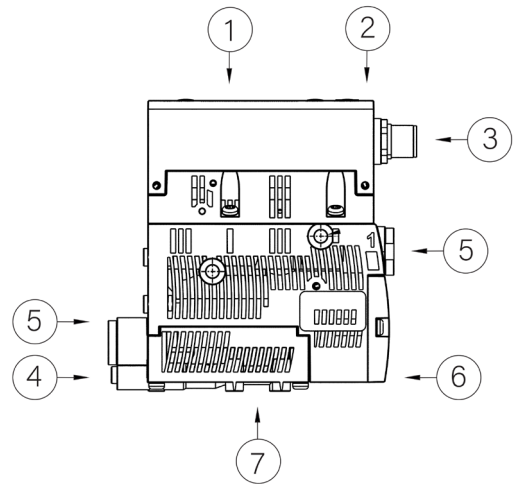
VES	-	10	NC	-	S
VES	SERIES VES = Compact ejector				
10	NOZZLE DIAMETER 10 = 1.0 mm 15 = 1.5 mm				
NC	VALVE FUNCTION NC = Normally Closed (at rest, no vacuum generation) NO = Normally Open (at rest, vacuum is present)				
S	VERSION: S = with air saving circuit I = with air saving circuit and I/O Link communication B = without air saving circuit				

SERIES VES COMPACT EJECTORS

TECHNICAL DATA

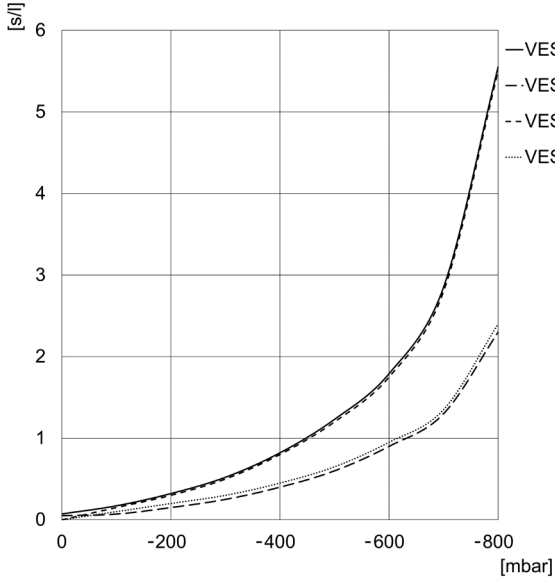


- EJECTOR SYSTEM:**
- 1 = Display
 - 2 = Keyboard
 - 3 = Electrical connection M12
 - 4 = Screw to adjust blow off
 - 5 = Pneumatic connection
 - 6 = Basic module made of technopolymer and open silencer
 - 7 = Optional mounting to DIN rails

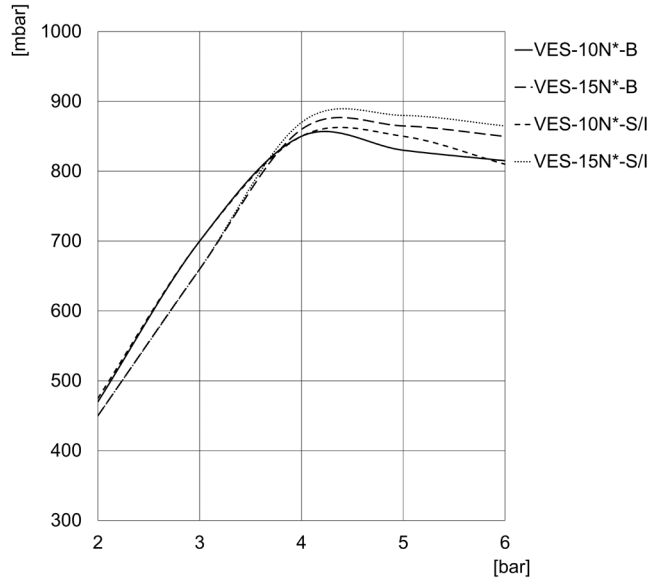


Mod.	Nozzle Ø (mm)	Degree of evacuation (%)	Suction rate max. (l/min)	Suction rate max. (m³/h)	Air consumption (l/min)	Air consumption (m³/h)	Air cons. blow-off workp. [m³/h]	Noise level gripped [db(A)]	Noise level free [db(A)]	Optimum working pressure (bar)	Internal hose diameter compressed air [mm]*	Internal hose diameter vacuum [mm]**	Temperature range
VES-10N ^{0-*}	1	85	36,0	2,21	46,0	2,85	7,20	61	75	3-6	4	4	0 / 50°
VES-15N ^{0-*}	1,5	85	65,5	4,03	98,0	6,03	7,20	65	77	3-6	4	6	0 / 50°

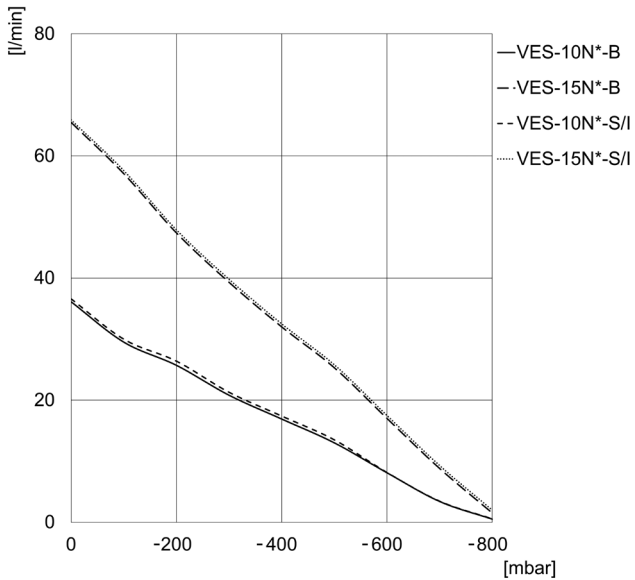
Diagrams VES



Evacuation time for different vacuum values

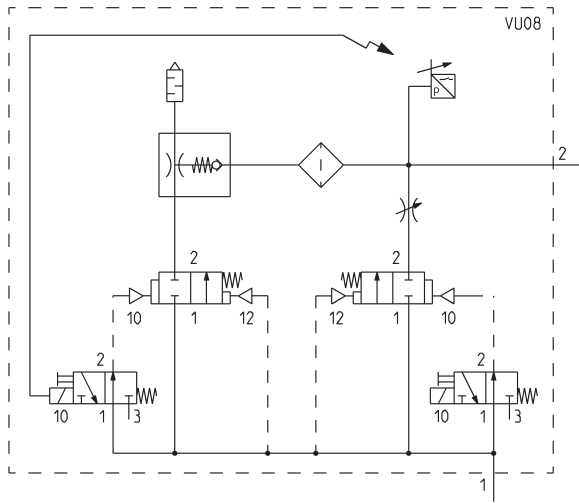


Vacuum value obtainable according to the supply pressure

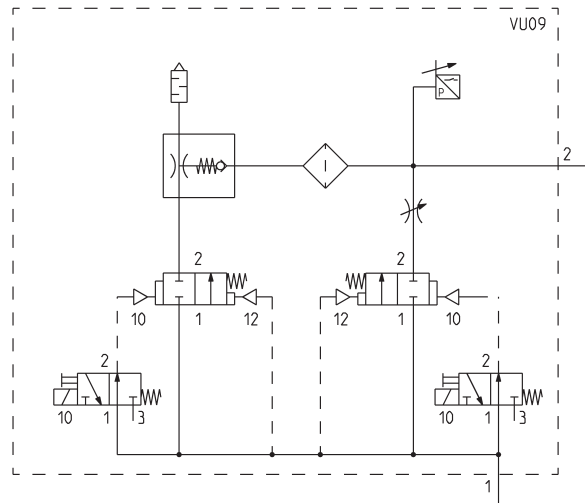


Suction rate with different vacuum values

Operation diagram with normally closed valve

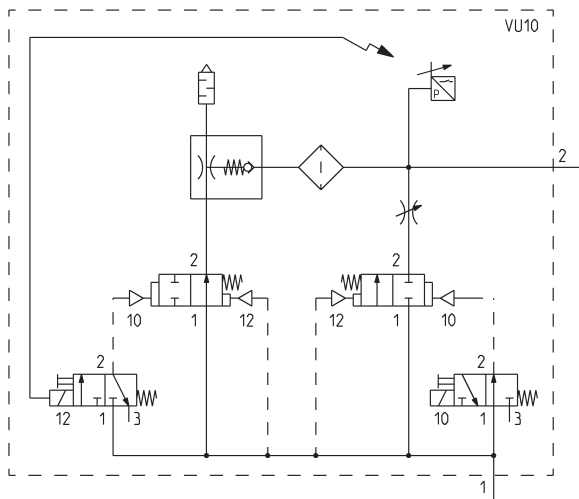


VES-10/15NC-S/I

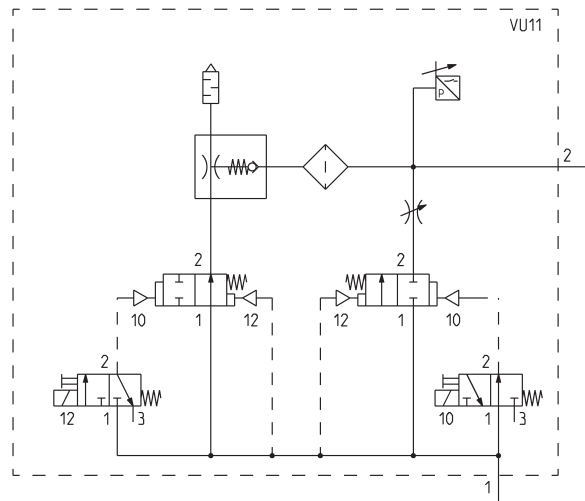


VES-10/15NC-B

Operation diagram with normally open valve

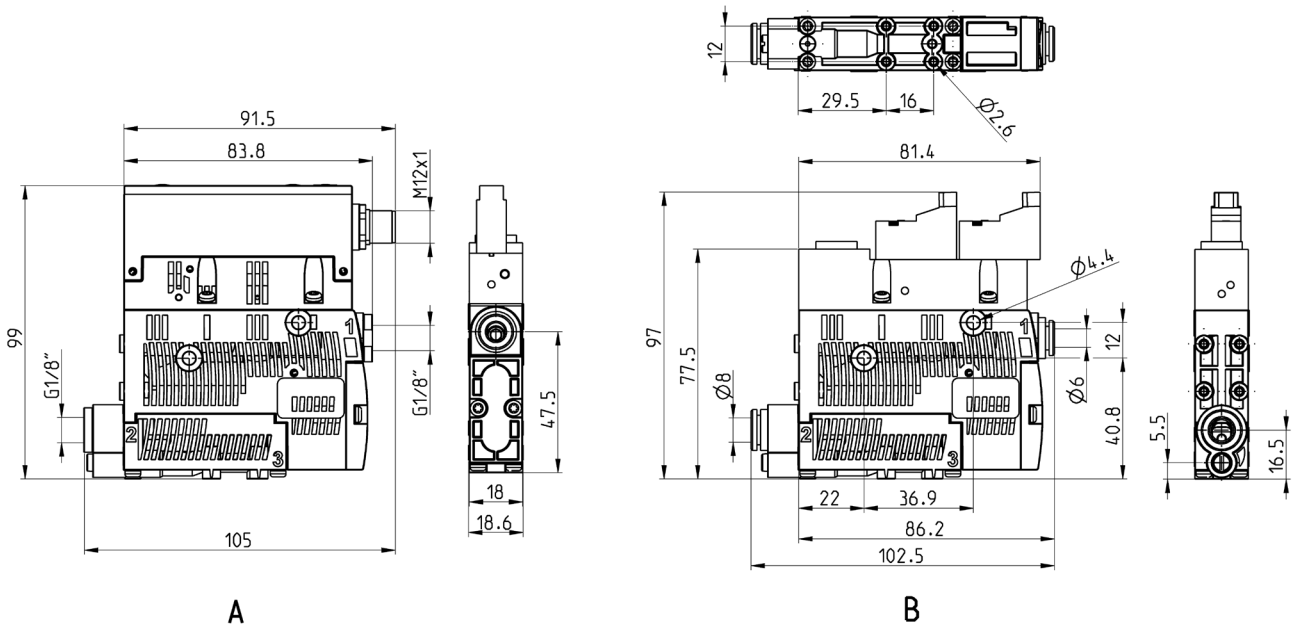


VES-10/15NO-S/I



VES-10/15NO-B

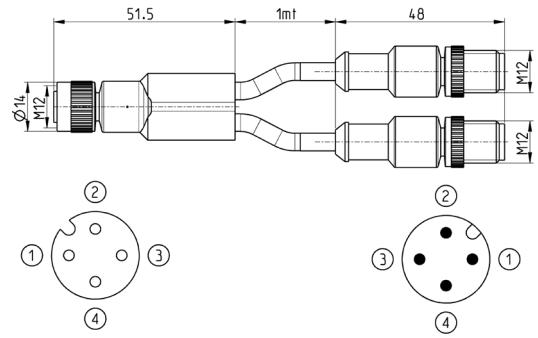
VES EJECTORS 10 - 15



Mod.	
VES-**-N*-I	A
VES-**-N*-S	A
VES-**-N*-B	B

Y-cable with straight M12 - 4 pin connectors

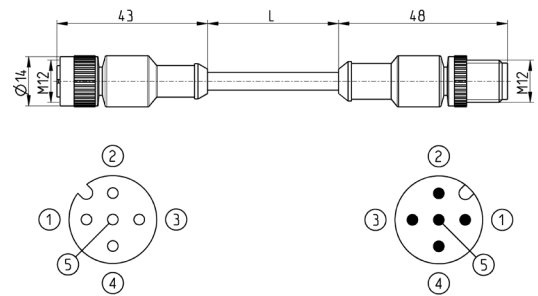
Cable for power supply and control of blow-off and suction valves



Mod.	description	type of connector	connection	L [cable length] (m)
SCP-CS-Y-A	moulded cable	straight	M12 4 pin male / female	1

Cable with straight M12 - 5 pin connectors

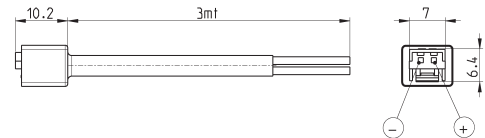
Cable for power supply and control of blow-off and suction valves, single connector



Mod.	description	type of connector	connection	L [cable length] (m)
CS-LW05HB-E100	moulded cable	straight	M12, 5 pin male/female	1
CS-LW05HB-E200	moulded cable	straight	M12, 5 pin male/female	2

Cable with IP40 flying leads

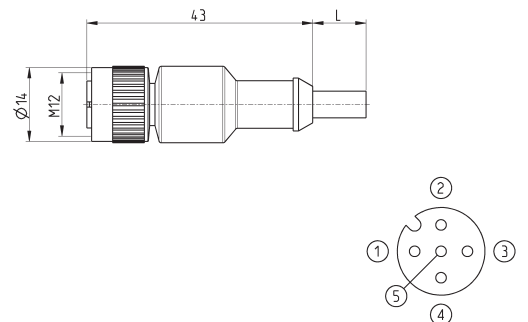
Cable for power supply of suction and blow-off valves



Mod.	description	type of connector	L [cable length] (m)
121-830P	crimped cable	straight	3

Cable with straight M12 - 5 pin connector

Cable for power supply and control of blow-off and suction valves, single connector



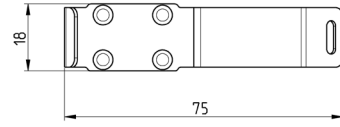
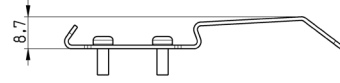
Mod.	description	type of connector	connection	L [cable length] (m)
CS-LF05HB-C500	crimped cable	straight	M12, 5 pin female	5

Mounting brackets for DIN rail



DIN EN 50022 (mm 7,5 x 35 - width 1)

Supplied with:
1x mounting bracket
4x screws



Mod.

PCF-VES