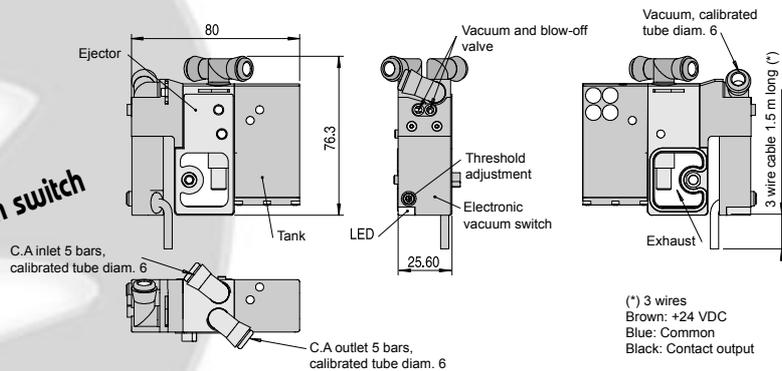


Modular ejector, series GVM3



The ejector 5 in 1:

- Adjustable vacuum
- Adjustable blow-off
- Adjustable electronic vacuum switch
- Pressure output
- Exhaust collection

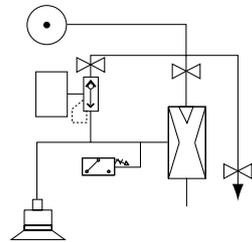


Applications:

A new concept in vacuum generation the GVM3 ejector range is based on the principle of modules which can be manifold mounted. It is aimed at the OEM market with the benefit of the maximum of functions in a small lightweight model.

Each module of 25 mm is very easy to install and offers:

- A vacuum generation by the ejector module.
- A threshold and vacuum adjustment by the vacuum switch module.
- An automatic blow-off by the capacity module.
- Compressed air source for subsidiary functions.



Characteristics:

Characteristics	Nozzle diam.	Air consumption		Maximum vacuum		Drawn-in air	
		at 4 bars	at 6 bars	at 4 bars	at 6 bars	at 4 bars	at 6 bars
Models	mm	NI/min		in %		NI/min	
GVM 3	1,1	43	65	65	85	50	60

Ejector specification:

Compressed air	Filtrated, non lubricated, 2 to 6 bars
Temperature	0 to 60°C
Ejector material	Polyacetal (POM) grey
Capacity material	Polyacetal (POM) black
Vacuum switch material	PA 6.6 15% FG black
Selector vacuum on/off	Stop push and turn A a 1/4 turn clockwise
Selector blow-off on/off	Stop push and turn B a 1/4 turn clockwise
Max. operating frequency	2 Hertz

Vacuum switch specification:

Supply	18-30 V DC regulated, pole changing protection
Current draw	<20 mA
Transistor output	N.O. 125 mA under 24 V DC PNP
Thermal error	±3 % measuring scale from 0 to 50°C
Output indicator	LED
Threshold adjustment	Potentiometer 3/4 turn
Operating temperature	0 to +50°C (storage -10 to 60°C)
Protection	IP 50
EMC	Industrial standard, class B

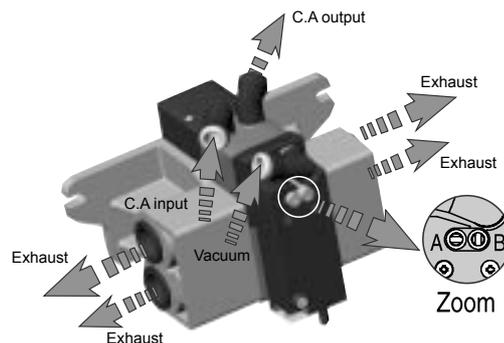
Locating on the automatic device:

The "slave" nature of the ejector module in series GVM3 gives it a simple and reliable design and technology at a low price.

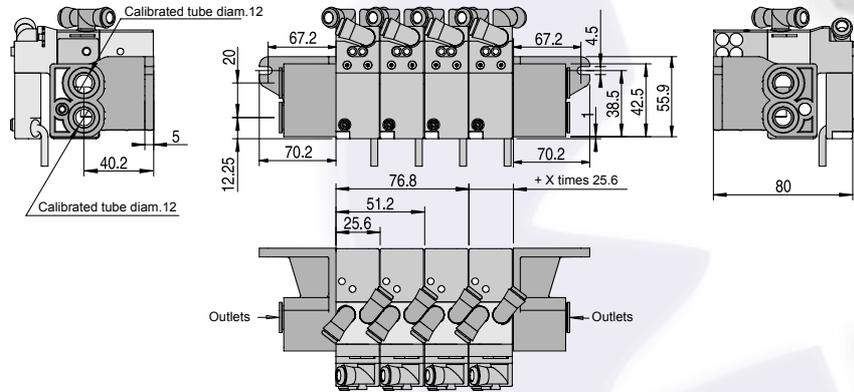
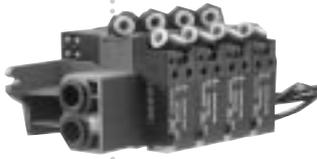
Operating principle:

From a pneumatic signal processed and controlled on the supply side, the ejector module GVM3 creates vacuum, blows and issues a pressure output. The integrated vacuum switch returns the information immediately.

3-dimensional view of the ejector module:



Manifold mounted ejector module, series GVM3 B-

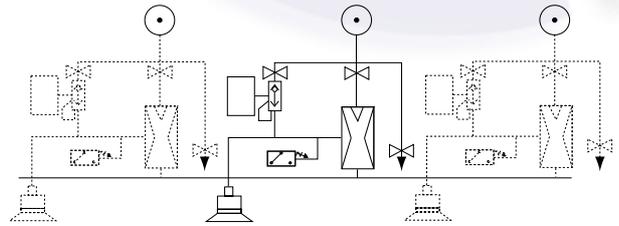


Applications:

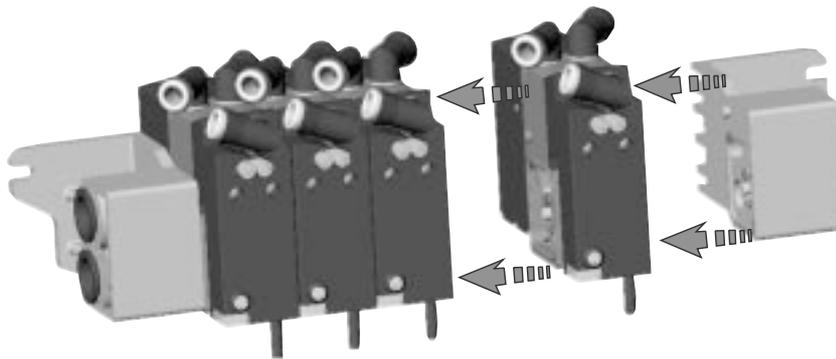
The GVM 3 ejector module is very adaptable, it can be mounted in 2 to 8 modules giving individual vacuum feeds from one or several pneumatic sources.

Manifold mounting on the machine allows:

- an easy access to set up each ejector and to access the vacuum switch adjustment.
- pneumatic and electrical connections for a rational presentation of the unit.



3-dimensional manifold mounting principle of the ejector module:



GVM 3

1

2

1: Number of ejector modules

B1	Battery of 1 ejector module
B2	Battery of 2 ejector modules
B3	Battery of 3 ejector modules
B4	Battery of 4 ejector modules
B5	Battery of 5 ejector modules
B6	Battery of 6 ejector modules
B7	Battery of 7 ejector modules
B8	Battery of 8 ejector modules

2: Exhaust manifold

JC 2 | Set of 2 manifolds

