

SVT

PV

Vacuum Series Valve Island



► Main Feature

High Flow

Vacuum flow rate of multi-stage vacuum generator

Low Noise

The high efficiency muffler can reduce the high frequency noise nozzle diameter 0.7 times the lowest can be 46dB

Centralized Intake and Exhaust

The pilot valve and main valve feature a centralized intake/exhaust system, ideal for environments requiring cleanliness

Low Power Consumption

The supply valve and rupture valve are low-power models with 0.4W consumption

Reliable and Stable

Supply valve and rupture valve directional stability

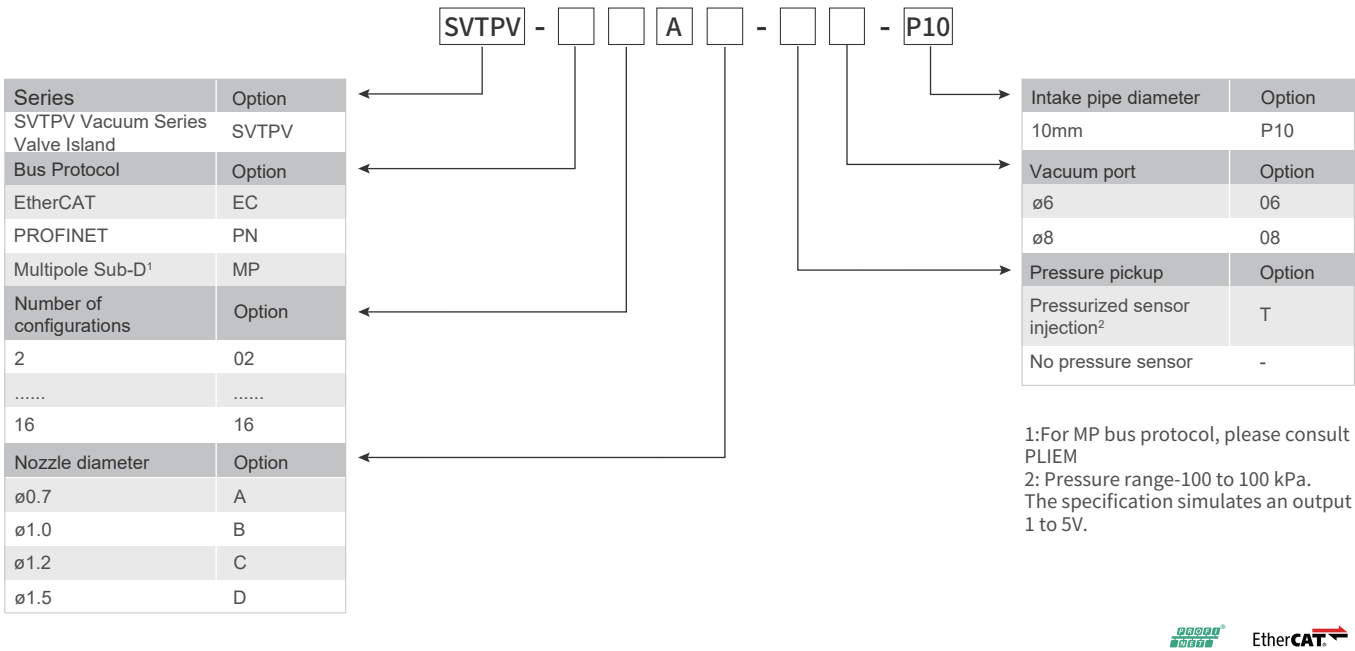
Multifunction Integration

Bus communication, supply valve, rupture valve, pressure sensor integration

► Technical Parameter

Nozzle diameter (mm)		ø0.7	ø1.0	ø1.2	ø1.5
Air consumption (l/min)		24	40	58	90
Working medium (l/min)	Open vent	34	56	74	89
	Silencer exhaust/ composite exhaust	39	44	61	67
	High silencer exhaust	32	48	70	80
Maximum vacuum pressure (kPa)		-91			
Supply pressure range (MPa)		-0.3~0.6			
Standard supply pressure (MPa)		0.35			0.4(0.37)

► Valve Island Configuration



► Maximum Number of Simultaneous Actions for Gas Supply Port

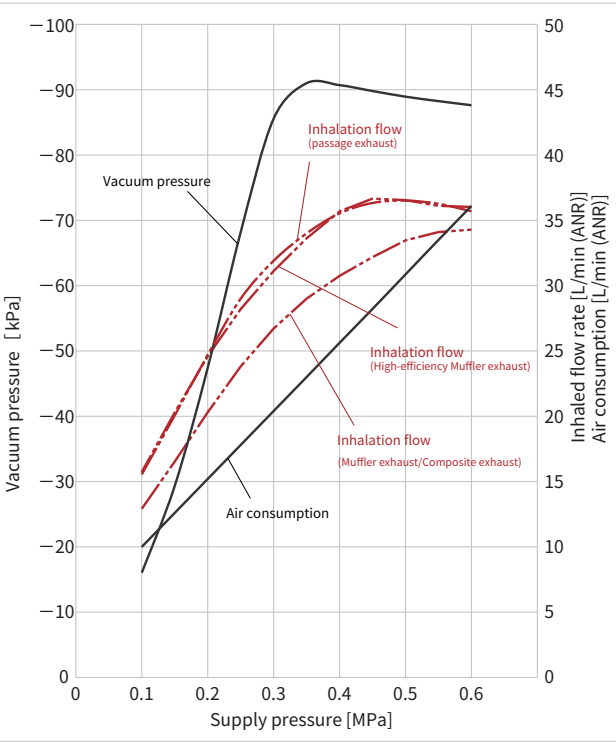
Project	SVTPV...A	SVTPV...B	SVTPV...C	SVTPV...D
Single-side air supply in combined exhaust	8	5	4	3
Combined exhaust with two air supply sides	10	7	5	5
Single port exhaust, suitable for high-performance mufflers with single-side air supply	8	6	6	3
Single outlet exhaust, with air supply on both sides for high-performance mufflers	10	9	9	6

※ If the number of digits in simultaneous actions is less than the number in the table, the maximum number of digits for the containerized type is 10

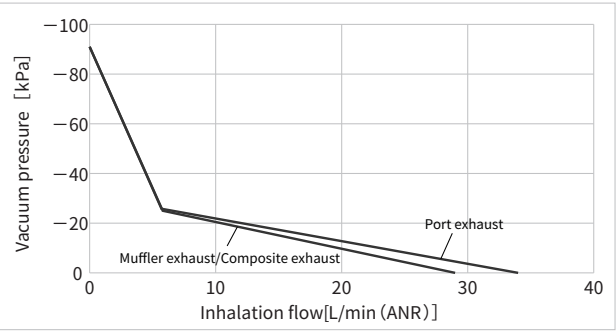
Vacuum Generator Exhaust Characteristics

SVTPV.....A

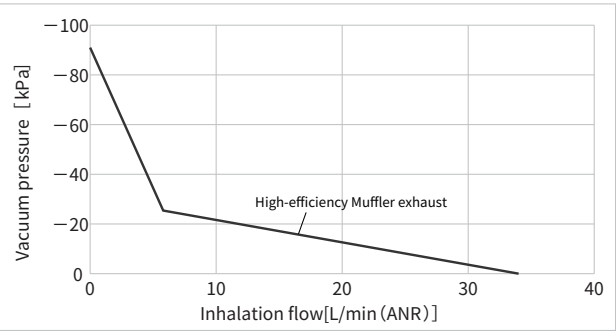
Exhaust characteristic



Exhaust characteristic

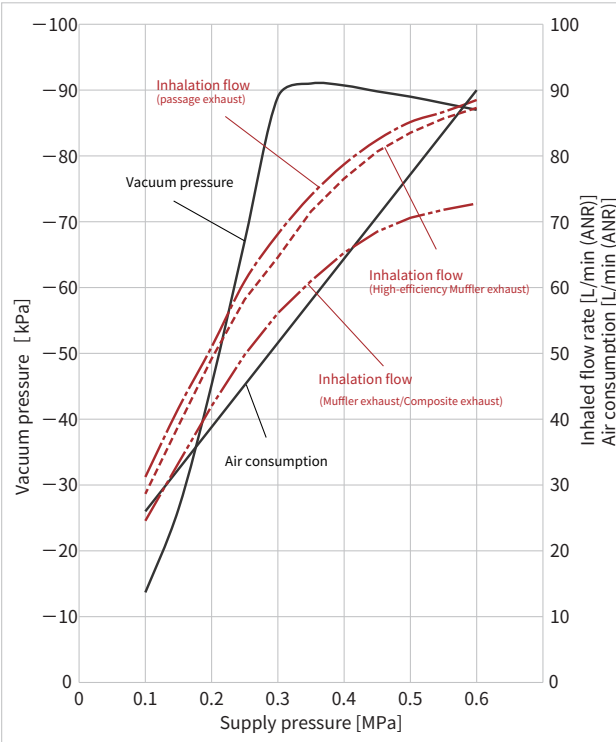


Exhaust characteristic

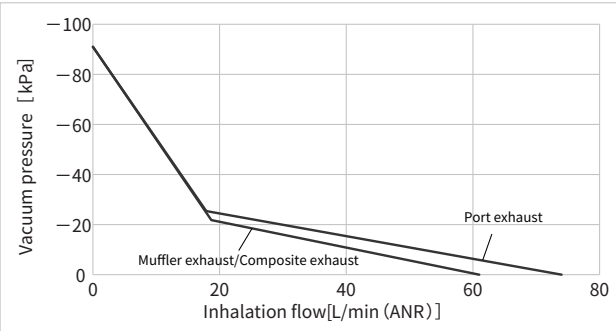


SVTPV.....C

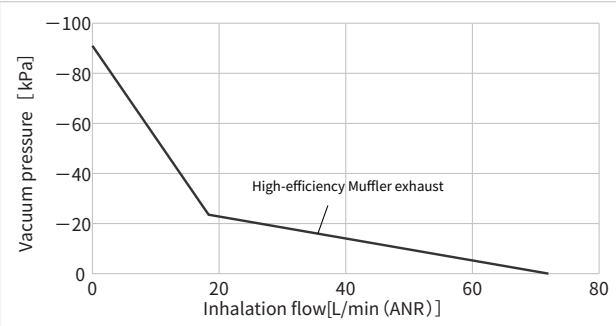
Exhaust characteristic



Exhaust characteristic

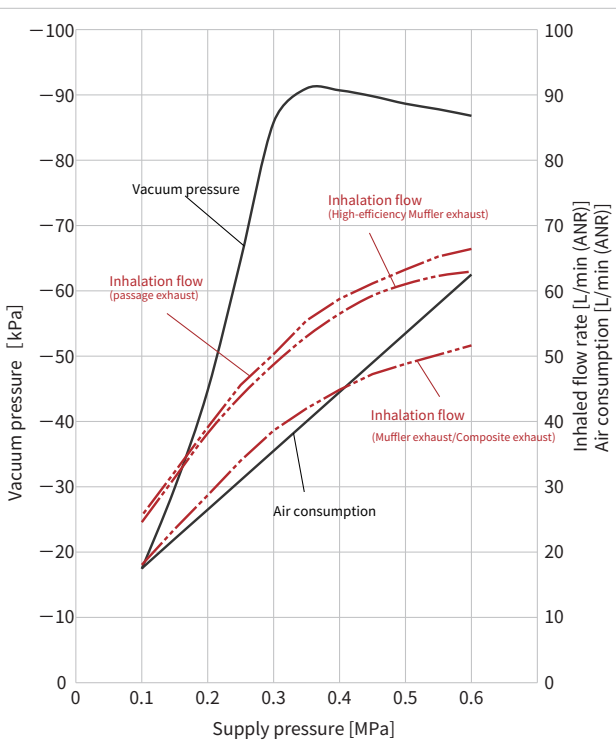


Exhaust characteristic

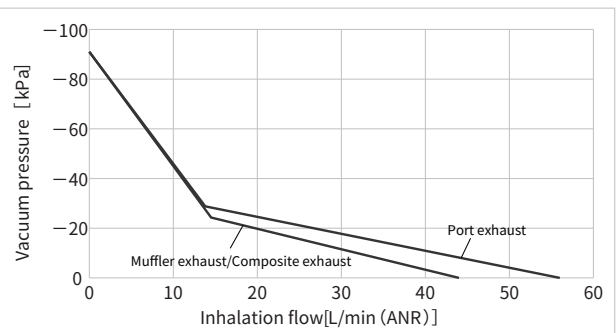


SVTPV.....B

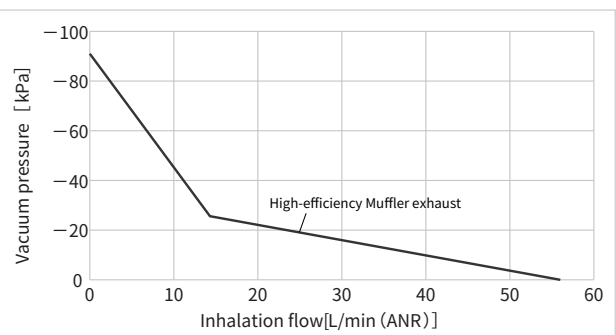
Exhaust characteristic



Exhaust characteristic

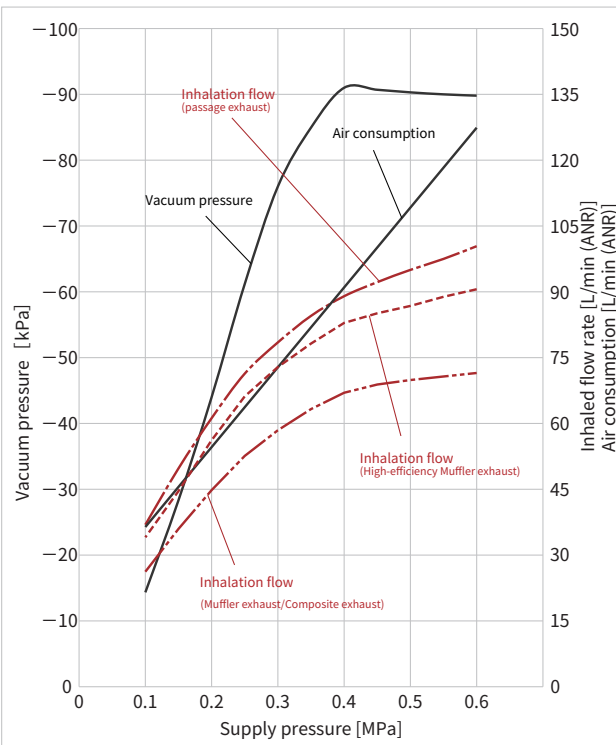


Exhaust characteristic

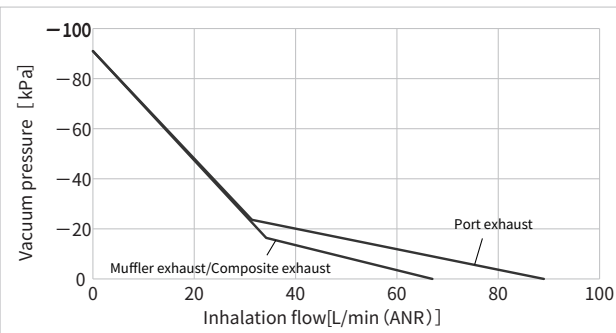


SVTPV.....D

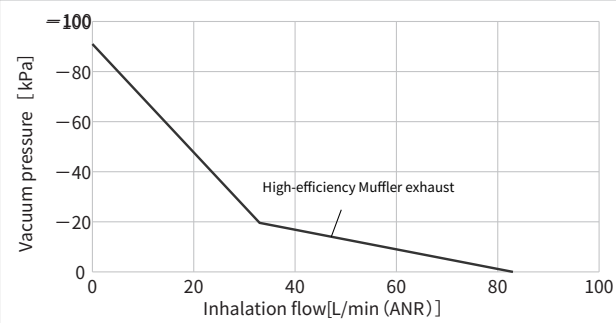
Exhaust characteristic



Exhaust characteristic

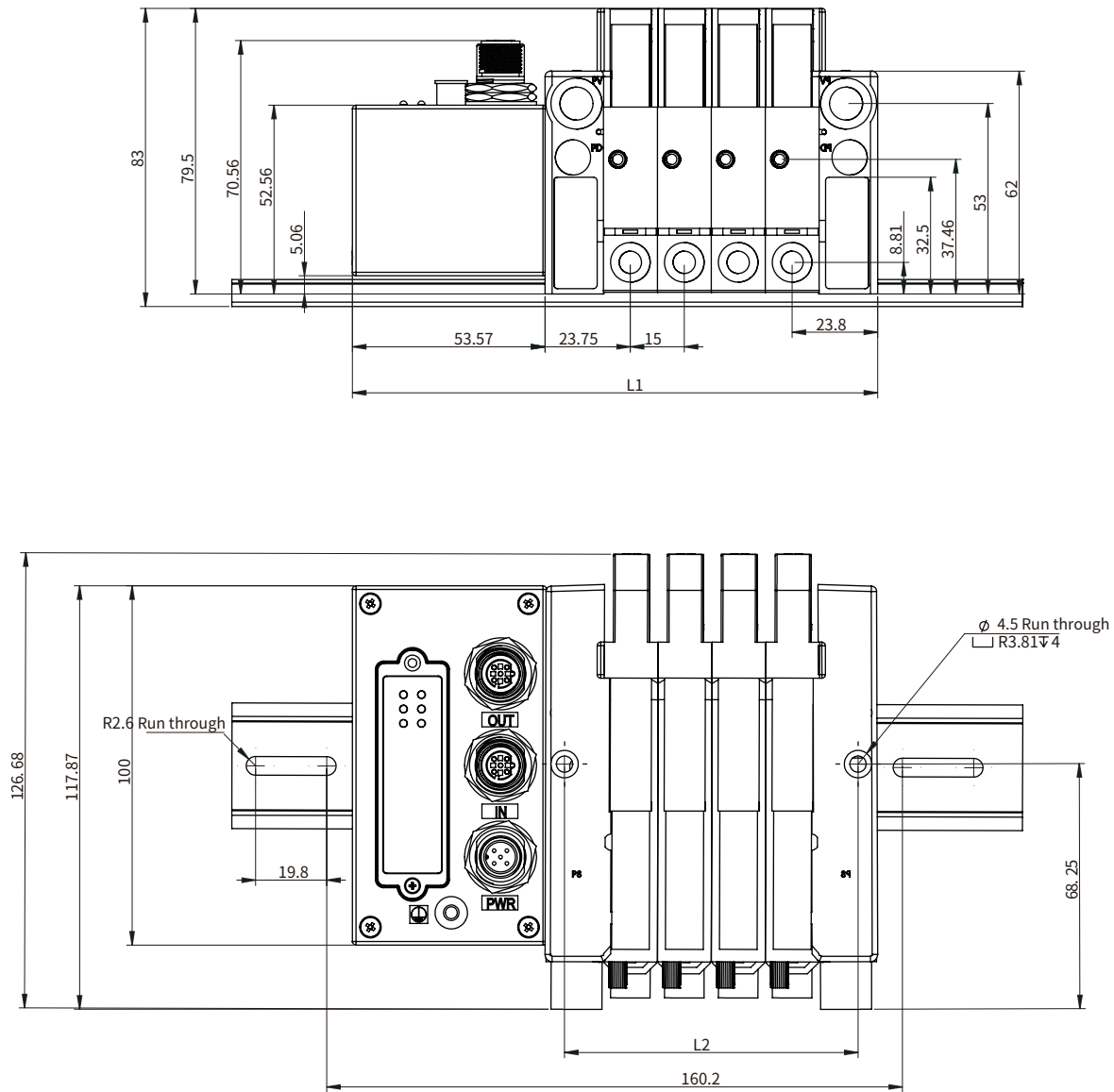


Exhaust characteristic



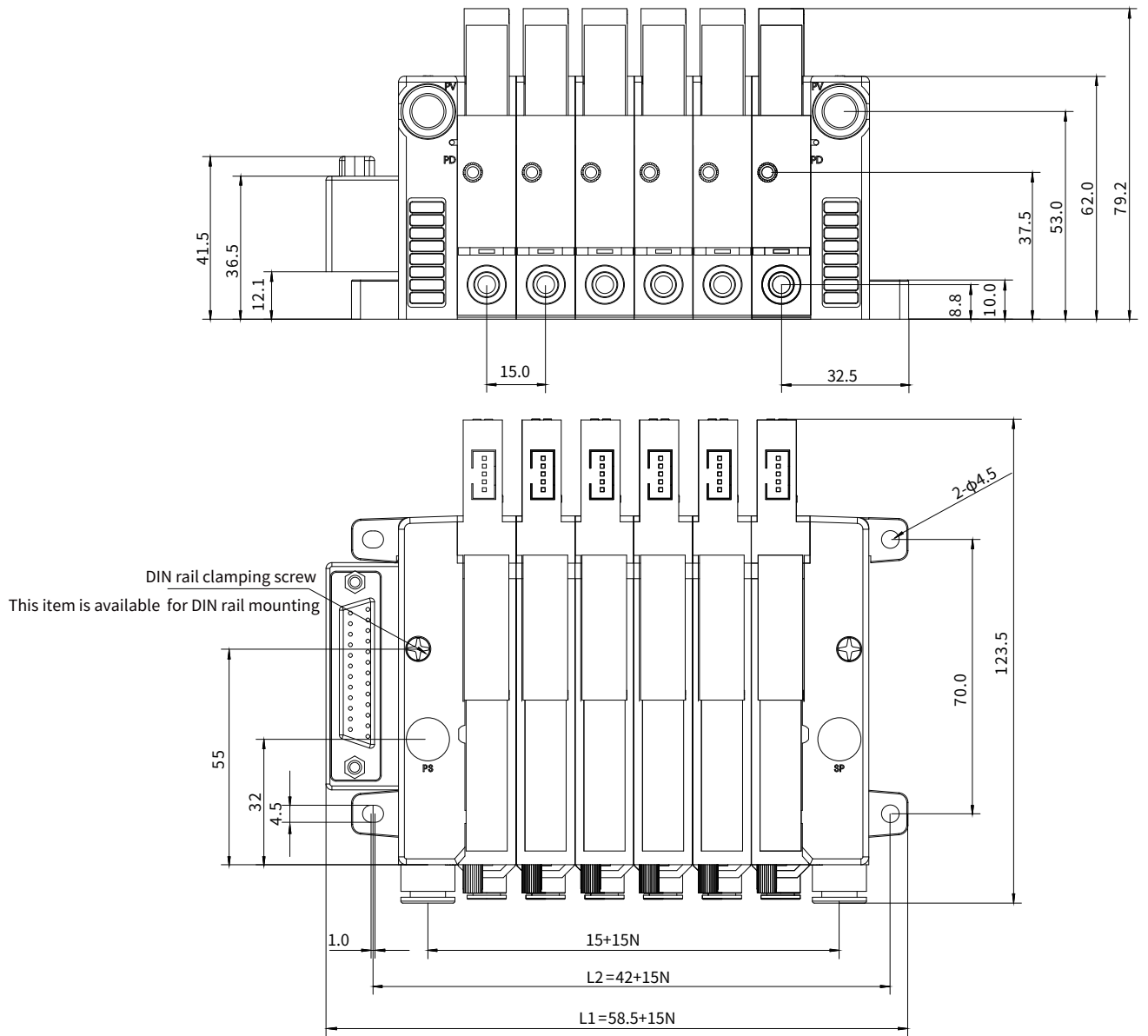
Dimension Figure

Vacuum series valve island



NO.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L1	116.5	131.5	146.5	161.5	176.5	191.5	206.5	221.5	236.5	251.5	266.5	281.5	296.5	311.5	326.5
L2	51.4	66.4	81.4	96.4	111.4	126.4	141.4	156.4	171.4	186.4	201.4	216.4	231.4	246.4	261.4

Vacuum series with Multi-pin valve island



NO.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L1	88.5	103.5	118.5	133.5	148.5	163.5	178.5	193.5	208.5	223.5	238.5	253.5	268.5	283.5	298.5
L2	72	87	102	117	132	147	162	177	192	207	222	237	252	267	282

PKZ2

Freestanding Vacuum Generator

Product Presentation

- Energy efficiency: The system automatically cuts off power when vacuum levels reach preset thresholds. With integrated energy-saving pressure switches and optimized generator efficiency, air consumption is reduced by 93%;
- Low power consumption: The supply valve and the damage valve are low-power type of 0.4W;
- Low noise: 46dB(A);
- High flow rate of inhalation.

Selection Table

PKZ2

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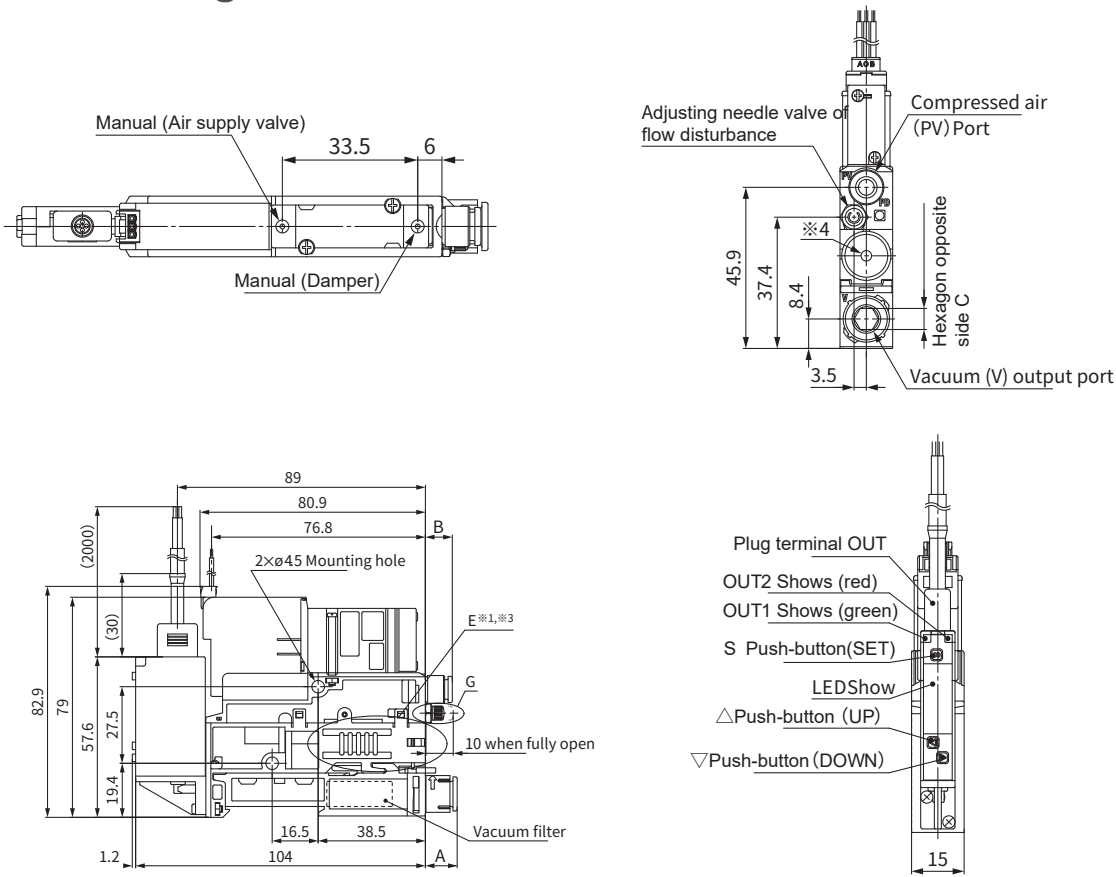
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Series	Option
Freestanding vacuum generator	PZK2
Exhaust form	Option
Built-in muffler exhaust	A
B through-hole exhaust	B
External muffler exhaust	G
Nozzle diameter	Option
ø0.7	A
ø1.0	B
ø1.2	C
ø1.5	D
Pressure sensor	Option
Pressure sensor injection¹ (0~101kPa)	P
Pressure sensor injection¹ (-100~100kPa)	T
No pressure sensor	-

Concentrated inlet pipe diameter	Option
1/8 thread	01
1/4 thread	02
ø5	06
ø8	08
ø10	10
Vacuum port	Option
ø6	06
ø8	08
Vacuum pressure switch	Option
Vacuum pressure switch NPN (0~101kPa)	A
Vacuum pressure switch PNP operating range (0~101kPa)	C
Vacuum pressure switch NPN operating range (-100~100kPa)	E
Vacuum pressure switch PNP operating range (-100~100kPa)	H
Vacuum pressure switch NPN energy-saving (-100~100kPa)	K
Vacuum pressure switch PNP energy-saving (-100~100kPa)	R
Non-vacuum pressure switch	-

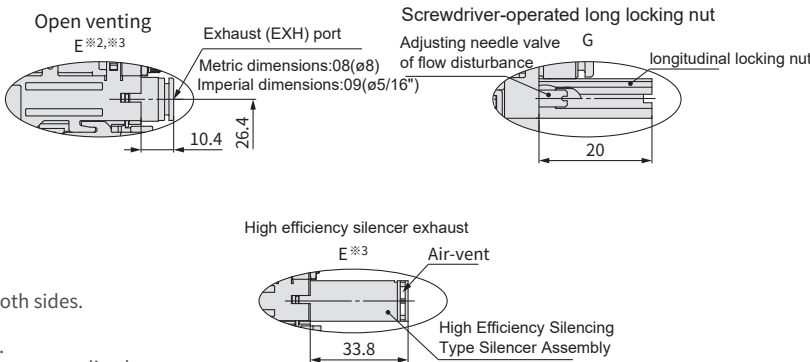


Dimension Figure



PV Port type				B
Metric size	06	ø6		9.7
Inch size	07	ø1/4"		12.3

V-port type				A	C
The metric system Size	06	ø6		8.3	4
	08	ø8		11.2	6
British system Size	07	ø1/4"		9.7	4.8
	09	ø5/16"		11.2	6



- ※1:For muffler exhaust, vent through grooves on both sides. (ensure at least one side is open).
- ※2: For portexhaust, use quick-change connectors.
- ※3: Pilot pressureand vacuum generator exhausts are centralized.
- ※4: Nozzleswith 12mm and 15mm diameters feature exhaust ports.

1:Specification-Analog output 1~5V