

Stand-alone Type Ejector of Boxed Type Aluminum Body

⚠ Safety instructions for this product

Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Model Designation (Example)

VLS (1) **H** (2) **20** (3) - **04** (4) **04** (5) - **G** (6)

(1) Vacuum Generator VLS

(2) Vacuum Characteristics

H: High-vacuum type

(3) Nozzle bore

Code	Nozzle bore (mm)	Final Vacuum (kPa)	Suction flow (ℓ/min [ANR])	Consumption flow (ℓ/min [ANR])
20	ø2.0	-91	100	230
25	ø2.5		150	345
28	ø2.8		200	410

*Rated supply pressure (H & L type: 0.5 MPa, E type: 0.35 MPa) is applied.

(4) Vacuum port size

04: Rc1/2

(5) Air supply port size

04: Rc1/2

(6) Pressure indicator

Code	Pressure indicator spec.		
No code	Without pressure indicator (Rc1/8 female thread)		
G	Digital pressure gauge		
NV	Pressure Sensor with Large Digital Display	NPN	2 points SW output & Analog output
N2		Open collector	2 points SW output & Copy function
PV		PNP	2 points SW output & Analog output
P2		Open collector	2 points SW output & Copy function

Model code of Silencer

VLSR06
(1)

(1) Silencer for Vacuum Generator VLS

Characteristics

The nozzle bore comes in three types: dia. 2.0, 2.5 and 2.8 mm.

Suction flow rate is max. 200 L/min [ANR].

*For the nozzle bore is dia. 2.8 mm and the rated supply pressure is 0.5 MPa.

Boxed type Aluminum body

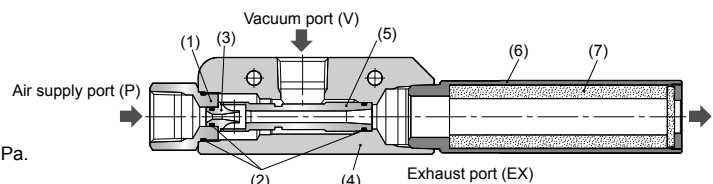
Quiet operation with the cylinder type muffler

Pressure gauge and sensor can be installed.

Specifications

Fluid medium	Air, Inert gas
Operating pressure range	0.15 to 0.7 MPa
Rated supply pressure	0.5 MPa
Operating temp. range	0 to 60°C (No freezing)

Sectional drawing



No.	Parts	Material
(1)	Nozzle holder	Nickel-plated brass
(2)	O-ring	NBR
(3)	Nozzle	Nickel-plated brass*1
(4)	Metallic body	Aluminum (anodized)
(5)	Diffuser	Brass
(6)	Silencer	PBT
(7)	Silencer element	PVFM

*1. The nozzle dia. 2.8 mm is not electroless nickel-plated.

*2. The plug attached to the connecting port of pressure indicator is made of iron (Chrome-plated).

RoHS2 (2011/65/EU+EU2015/863) compliant

Type	Model code VLSH[3]-RcRc	Type	Model code VLSH[3]-RcRc-G	Type	Model code VLSH[3]-RcRc-[6]
Without Pressure indicator VLS	VLSH20-0404 VLSH25-0404 VLSH28-0404	With Digital Pressure Gauge VLS	VLSH20-0404-G VLSH25-0404-G VLSH28-0404-G	Pressure Sensor with Large Digital Display VLS	VLSH20-0404-[6] VLSH25-0404-[6] VLSH28-0404-[6]
Attachment parts		Optional parts			
Type	Model code	Type	Model code	Type	Model code
Silencer VLSR	VLSR06	Digital Pressure Gauge for negative pressure GPD	GPD-V-01	Compound type of Pressure sensor with Large Digital Display VUS	VUS-32R-NV-01 VUS-32R-N2-01 VUS-32R-PV-01 VUS-32R-P2-01



Notes

* In [6] in the Model Designation, please select and fill in the pressure indicator type from the above in Model Designation (Example).



CAD data is available at PISCO website.



Packaging specifications
1 pc. / bag