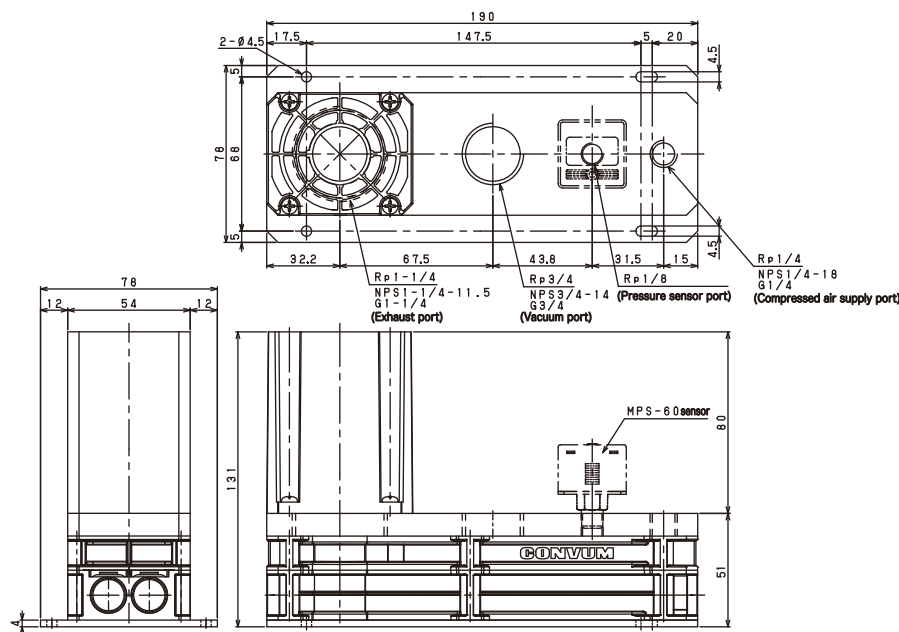


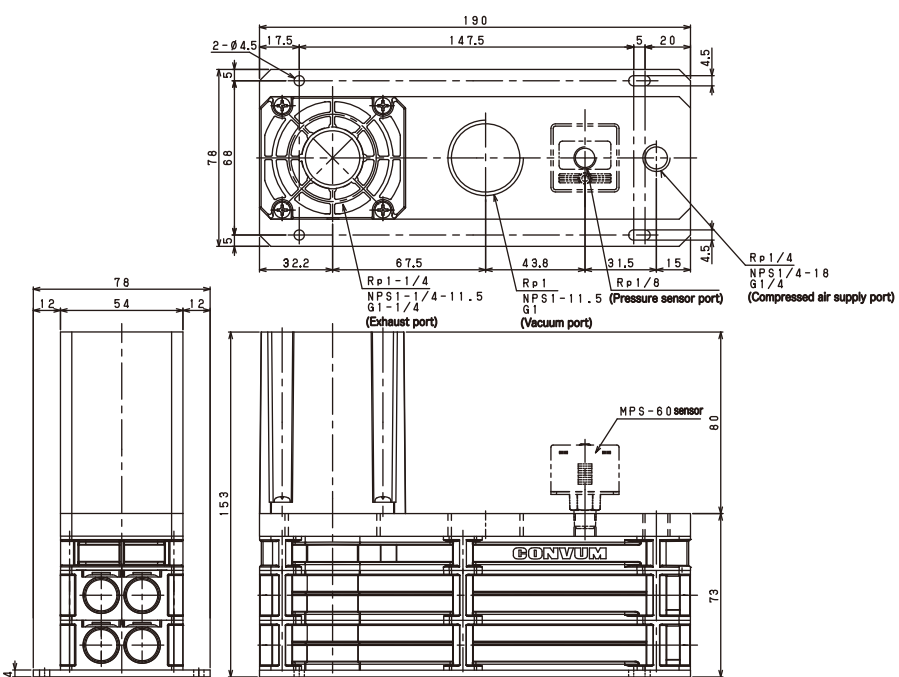
## Dimensions

Unit : mm

CVZ-1/2



CVZ-3/4



\*Specifications may change without prior notice.  
\*How to use, notes please refer to the catalog and instruction manual.

**CONVUM**  
Myotoku Ltd.

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[CONVUM] is the brand name of MYOTOKU

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TEL 1-626-581-0297 FAX 1-626-581-0312

No. 6X30-C

**CONVUM**

# High flow type ejector

# CVZ series

**NEW**

High vacuum flow

Multi-stage nozzle

Low noise

Pressure sensor mountable

**RoHS**

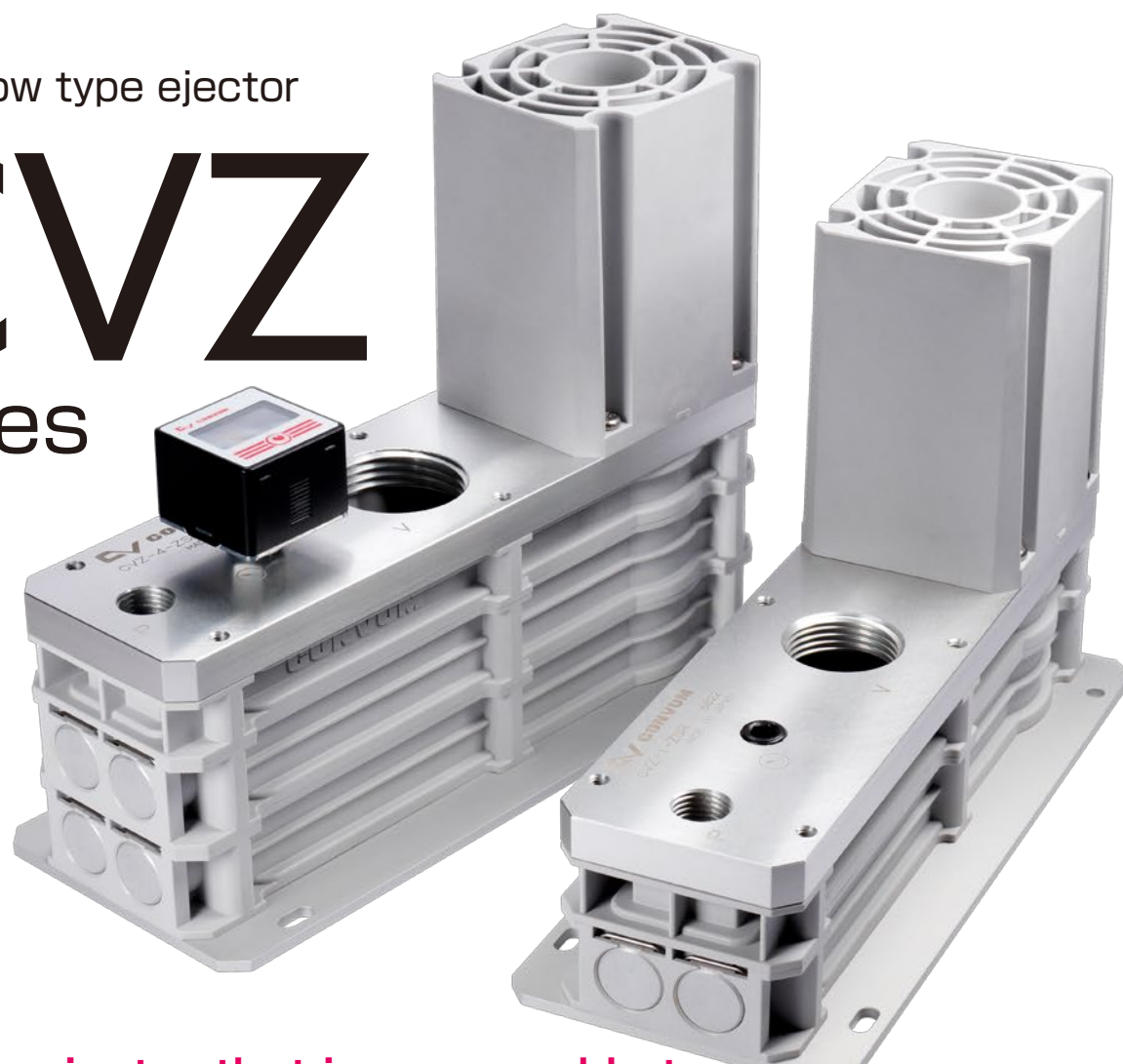


NEW

High flow type ejector

# CVZ

series



## Multi-stage nozzle mounted

Can select 1 ~ 4 nozzles  
to meet customer's needs

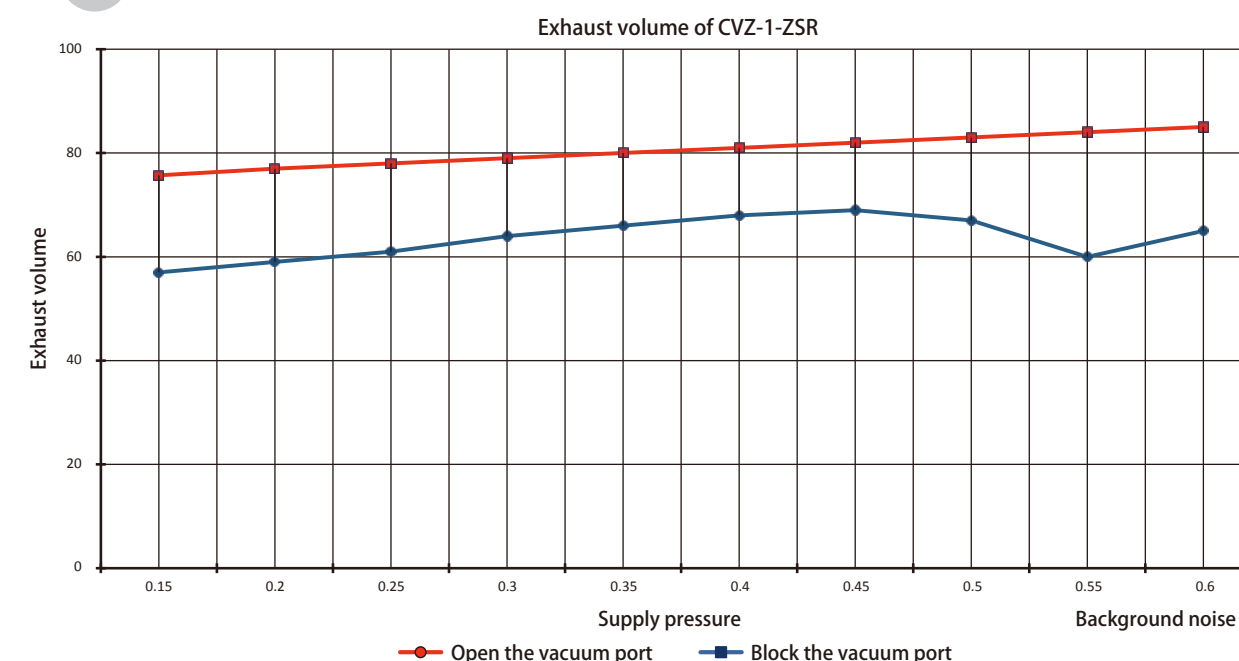
※Patent pending



Multi-stage nozzle

## Low noise, 60dB (at 1 nozzle, block the vacuum port, supply pressure 0.55MPa)

### Performance charts Exhaust volume

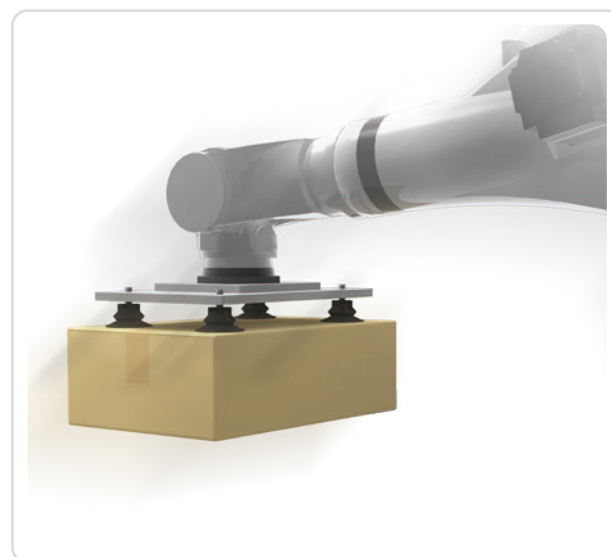


Low noise

## High flow ejector that is comparable to vacuum pump

- Maximum vacuum flow is 877L/min (at 4 nozzles, supply pressure 0.55MPa)
- Best choice for suction the works with porous surface and heavy works

High vacuum flow



## With the Port (Rp1/8) for mount the pressure sensor

Check the vacuum volume

### Features of the pressure sensor (MPS-V60DL-R1-J)

- Battery type, unnecessary wiring
- Only for measuring the pressure
- With the back light

\*Please consult with us for other sensor



Pressure sensor mountable



How to order

CVZ - 1 - S S R

| ①               | ②                                | ③                     | ④             |
|-----------------|----------------------------------|-----------------------|---------------|
| ① Nozzle number | ② Pressure sensor                | ③ Silencer            | ④ Port thread |
| 1 $\phi$ 1.5x1  | Z    Without sensor              | Z    Without silencer | R    Rp       |
| 2 $\phi$ 1.5x2  | S    MPS-V60DL-R1-J (attachment) | S    With silencer    | N    NPS      |
| 3 $\phi$ 1.5x3  |                                  |                       | G    G        |
| 4 $\phi$ 1.5x4  |                                  |                       |               |

Maintenance parts



Specifications

|                                           | Unit            | CVZ-1                  | CVZ-2        | CVZ-3        | CVZ-4        |
|-------------------------------------------|-----------------|------------------------|--------------|--------------|--------------|
| Fluid                                     |                 | Non-lubricated air     |              |              |              |
| Ambient temperature                       | ℃               | 0~50(without freezing) |              |              |              |
| Operating pressure range                  | MPa             | 0.15~0.6               |              |              |              |
| Mass(with silencer)                       | g               | 741                    | 737          | 872          | 900          |
| Mass of silencer                          | g               | 102                    |              |              |              |
| Recommended solenoid valve effective area | mm <sup>2</sup> | more than 7            | more than 12 | more than 18 | more than 25 |

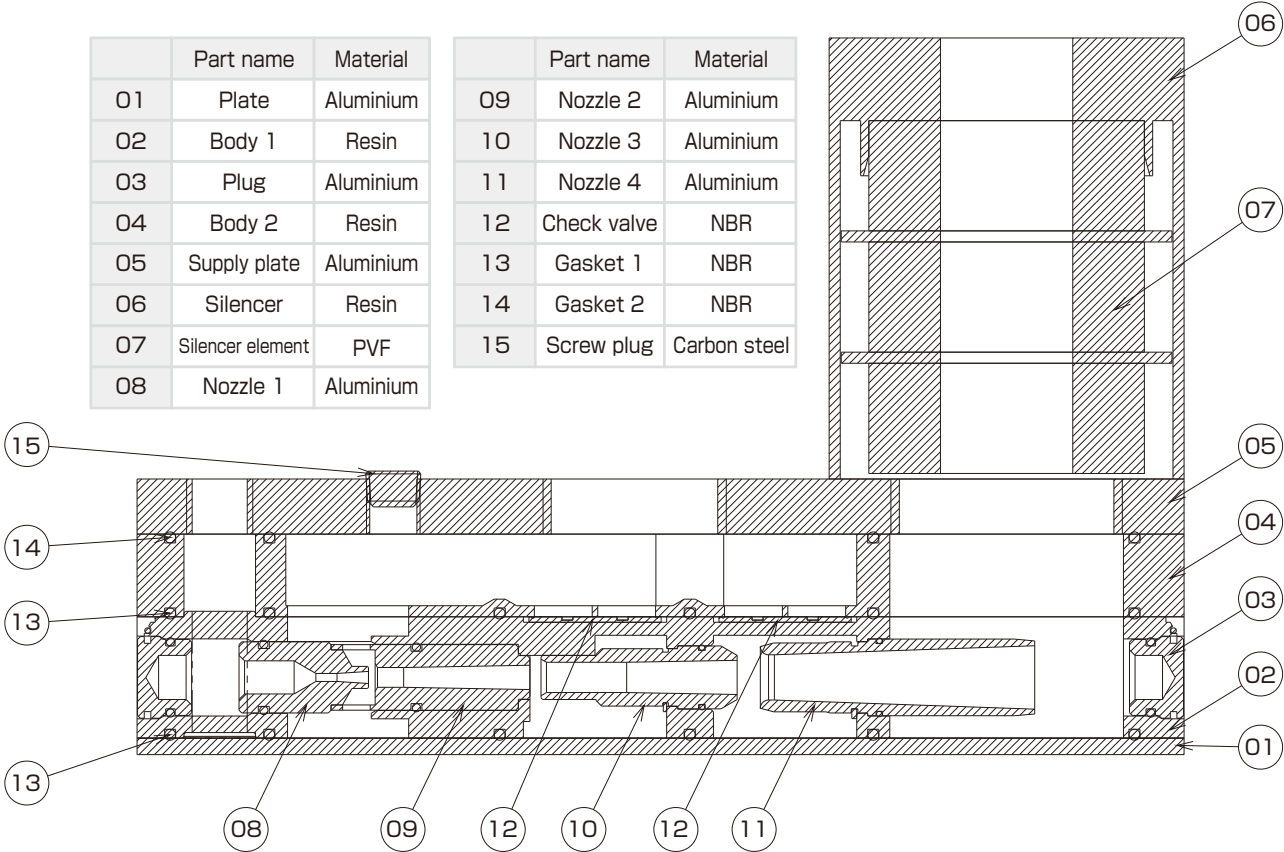
Vacuum performance

|                      |                         | Unit       | CVZ-1 |      | CVZ-2 |      | CVZ-3 |      | CVZ-4 |      |
|----------------------|-------------------------|------------|-------|------|-------|------|-------|------|-------|------|
| Supply pressure      |                         | MPa        | 0.45  | 0.55 | 0.45  | 0.55 | 0.45  | 0.55 | 0.45  | 0.55 |
| Max. vacuum pressure |                         | (-)kPa     | 70    | 90   | 70    | 90   | 70    | 90   | 68    | 88   |
| Vacuum flow          |                         | L/min(ANR) | 323   | 356  | 557   | 604  | 699   | 768  | 792   | 877  |
| Air consumption      |                         | L/min(ANR) | 104   | 126  | 201   | 239  | 302   | 359  | 400   | 465  |
| Exhaust volume       | (Block the vacuum port) | dB(A)      | 69    | 60   | 73    | 67   | 71    | 67   | 70    | 65   |
|                      | (Open the vacuum port)  | dB(A)      | 82    | 84   | 83    | 85   | 86    | 87   | 85    | 87   |

Pressure sensor specifications

| Description                 |                       | MPS-V60DL-R1-J                        |
|-----------------------------|-----------------------|---------------------------------------|
| Fluid                       | —                     | Air (non corrosive, nonflammable gas) |
| Pressure range              | kPa                   | 0~ -101                               |
| Setting pressure range      | kPa                   | 10~ -101                              |
| Setting pressure resolution | kPa                   | 1                                     |
| Battery                     | —                     | CR2032 Button type lithium battery    |
| Display                     | Time                  | 60 seconds after pressing SET button  |
|                             | Back light            | Have                                  |
|                             | Battery life          | About 1 year(Operate 5 times one day) |
|                             | Low battery indicator | Have                                  |
| Indicator accuracy          |                       | ±1%F.S.±1digit                        |
| LCD display                 |                       | 3 1/2 digits LCD(with back light)     |
| Representational accuracy   |                       | ±2% F.S.±1 digit(Temperature:25±3℃)   |
| Port size                   |                       | R1/8,M5(female)                       |
| Mass                        | g                     | Approx 40g                            |

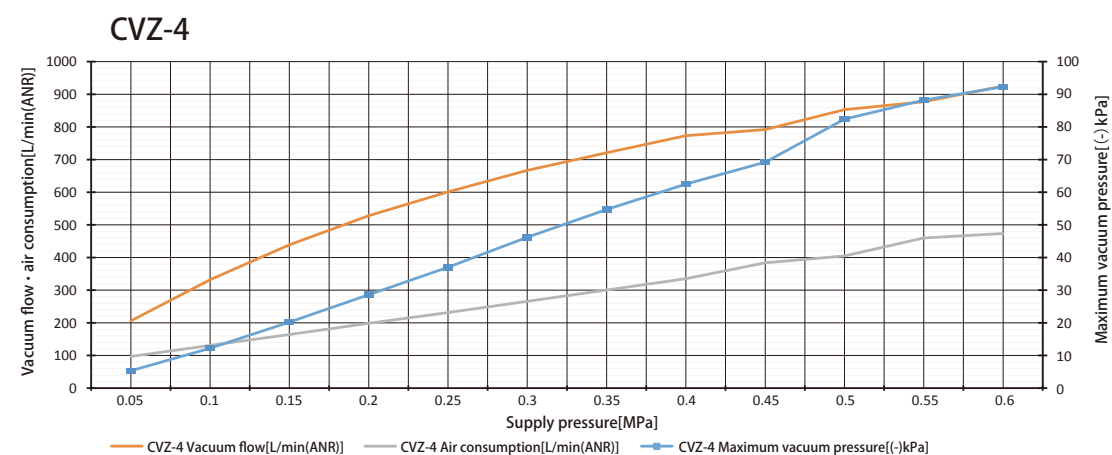
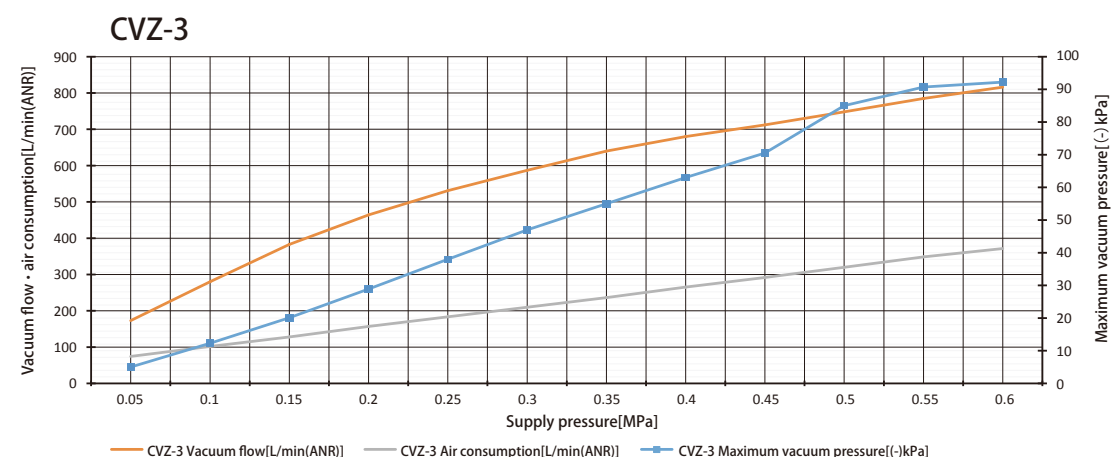
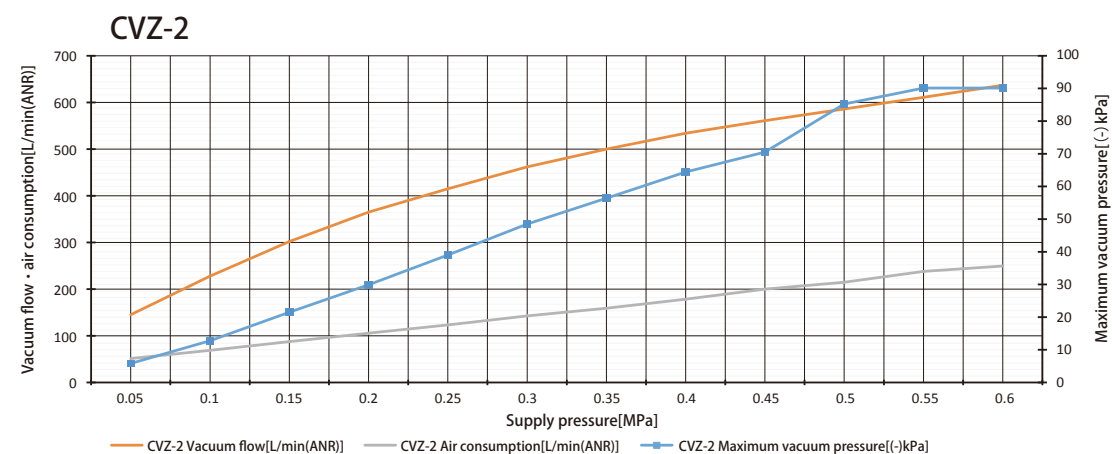
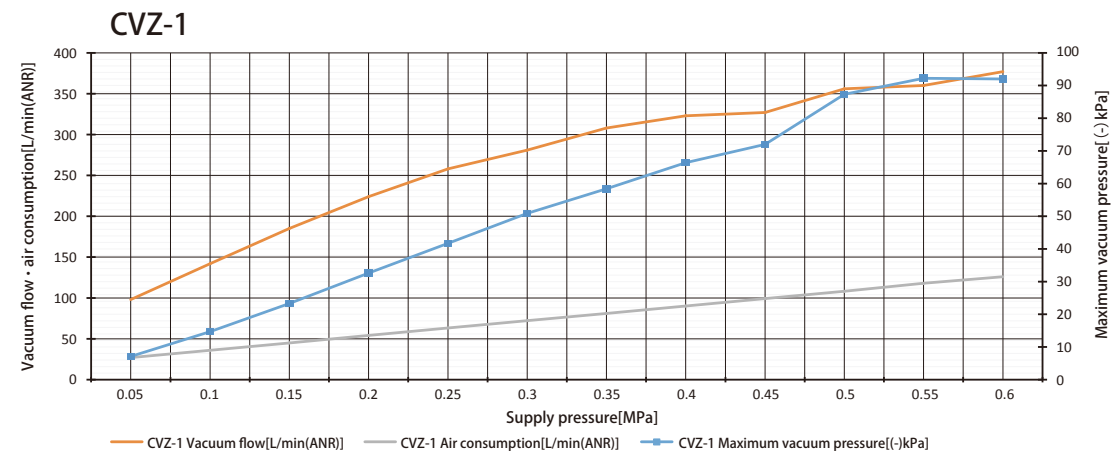
Construction





Performance charts

Maximum vacuum pressure-Vacuum flow-Air consumption





Performance charts

Vacuum flow-Maximum vacuum pressure

