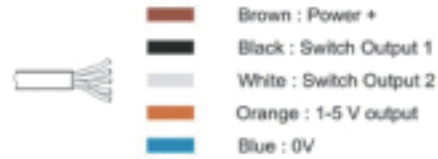
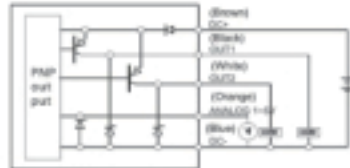
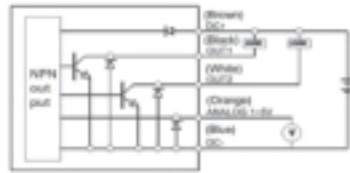




CONNECTION MODE

Pressure Switch Connection Mode



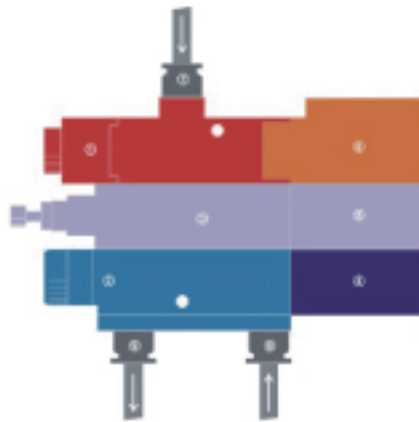
Pressure Switch Cable Size



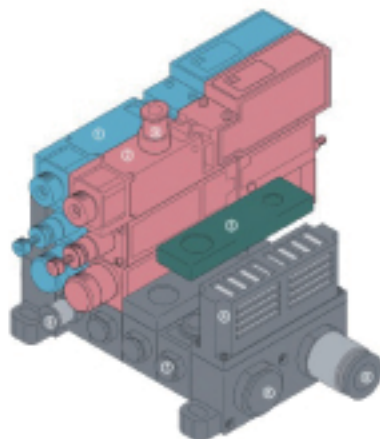
Solenoid Valve Cable Size



PRODUCT CHARACTERISTICS



- ① Vacuum filter assembly
- ② Vacuum Generator assembly
- ③ Destroyvalve
- ④ Vacuum Generation Control Valve
- ⑤ Vacuum Destroy Control Valve
- ⑥ Digital Pressure Switch
- ⑦ Vacuum Port
- ⑧ Input Port
- ⑨ Exhaust Port



- ① B type Monolithic Vacuum Generator
- ② A type Monolithic Vacuum Generator
- ③ Blind plate
- ④ Built-in silencing module
- ⑤ Input Port
- ⑥ Exhaust Port(Centralized exhaust)
- ⑦ One way vacuum port block
- ⑧ B type One way Vacuum Fitting
- ⑨ A type One way Vacuum Port



ORDERING CODE

Monolithic type $\frac{XYZK-CT}{CT \text{ series Vacuum Generator}}$

A
1

GZ
2

07
3

W
4

06
5

06
6

08
7

E
8

NV
9

| 1. Product Form | | 2. Vacuum Characteristic | | | | | | | | | | | | |
|---|---|--------------------------|--|---------------------------|-------------|---|---|---|---|---|---|---|---|---|
| Code | Code description | Code | Code description | | | | | | | | | | | |
| A | Monolithic type two side port (Ex&P:sa m e side) | GZ | High vaccum Medium flow rate (0.5MPa) | | | | | | | | | | | |
| B | monolithic type one side | ZD | Middle vaccum High flow rate (0.5MPa) | | | | | | | | | | | |
| | | GX | High vaccum low flow rate (0.35MPa) | | | | | | | | | | | |
| 3. Nozzle diameter(combination type :A, E, G, L, P, R, S, W, X, Y) | | | | | | | | | | | | | | |
| code | code description | GZ type vaccum degree | ZD type vaccum degree | GX type vaccum degree | consumption | | | | | | | | | |
| 07 | 0.7mm | -93KPa 13L/min | -67KPa 26L/min | -91KPa 10L/min | 23L/min | | | | | | | | | |
| 10 | 1.0mm | -93KPa 27L/min | -67KPa 40L/min | -91KPa 21L/min | 46L/min | | | | | | | | | |
| 12 | 1.2mm | -93KPa 38L/min | -67KPa 50L/min | -91KPa 27L/min | 70L/min | | | | | | | | | |
| 3. Nozzle diameter(combination type :B, F, H, M) | | | | | | | | | | | | | | |
| code | code description | GZ type vaccum degree | ZD type vaccum degree | GX type vaccum degree | consumption | | | | | | | | | |
| 07 | 0.7mm | -90.5KPa 11L/min | -66.5KPa 19L/min | -86.5KPa 8.4L/min | 23L/min | | | | | | | | | |
| 10 | 1.0mm | -90.5KPa 19L/min | -66.5KPa 24L/min | -86.5KPa 16L/min | 46L/min | | | | | | | | | |
| 12 | 1.2mm | -90.5KPa 24L/min | -66.5KPa 27L/min | -86.5KPa 19L/min | 70L/min | | | | | | | | | |
| 4. Combination type | | | | | | | | | | | | | | |
| Code | A | B | E | F | G | H | L | M | P | R | Y | S | X | W |
| Vacuum Generator | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Filter | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Vacuum Generator Solenoid valve | ○ | ○ | ○ | ○ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Ccheck valve | ○ | ● | ○ | ● | ○ | ● | ○ | ● | ○ | ○ | ○ | ● | ○ | ● |
| Digital pressure switch | ○ | ○ | ● | ● | ○ | ○ | ● | ● | ○ | ● | ○ | ○ | ● | ● |
| Air timing destroy valve | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ● | ○ | ○ | ○ | ○ |
| Solenoid destroy valve | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ● | ● | ● |
| 5. Vacuum Port Diameter(monolithic type) | | | | | | | | | | | | | | |
| code | Code description | | | | | | | | | | | | | |
| 04 | ϕ4Quick connector (mm) | | | | | | | | | | | | | |
| 06 | ϕ6Quick connector (mm) | | | | | | | | | | | | | |
| 08 | ϕ8Quick connector (mm) | | | | | | | | | | | | | |
| 6. Input port diameter (monolithic type) | | | 7. Exhaust port diameter(monolithic type) | | | | | | | | | | | |
| code | Code description | | code | Code Description | | | | | | | | | | |
| 04 | ϕ4Quick connector (mm) | | S | Silencer | | | | | | | | | | |
| 06 | ϕ6Quick connector (mm) | | 08 | ϕ8Quick connector (mm) | | | | | | | | | | |
| 08 | ϕ8Quick connector (mm) | | | | | | | | | | | | | |
| 8. Solenoid valve type(only choose if youselect solenoid) | | | 9. Pressure switch output(only choose if you select pressure switch) | | | | | | | | | | | |
| code | Code description | | Code | Code description | | | | | | | | | | |
| E | DC24V NCV acuum generator solenoid valv (solenoid destroy valve default normal close) | | NV | 2 lines NPN+ 1~ 5V output | | | | | | | | | | |
| | | | PV | 2 lines PNP+ 1~ 5V output | | | | | | | | | | |



ORDERING CODE

Manifold XYZKF-CT C GZ 07 W — S4 18 18 E — 08 — NV
CT series Vacuum Generator **1** **2** **3** **4** **5** **6** **7** **8** **9** **10**

| ① Product Form | | ② Vacuum Characteristic | | | | | | | | | | | | |
|---|-------------------------------|-------------------------|---|-----------------------|-------------|------------------------------|-----|---|---|---|---|---|---|---|
| Code | Code Description | Code | Code description | | | | | | | | | | | |
| C | Mainfold | GZ | High vaccum Medium flow rate (0.5MPa) | | | | | | | | | | | |
| | | ZD | Middle vaccum High flow rate (0.5MPa) | | | | | | | | | | | |
| | | GX | High vaccum low flow rate (0.35MPa) | | | | | | | | | | | |
| ③ Nozzle diameter combination type :A, E, G, L, P, R, S, W, X, Y) | | | | | | | | | | | | | | |
| code | code description | GZ type vaccum degree | ZD type vaccum degree | GX type vaccum degree | consumption | | | | | | | | | |
| 07 | 0.7mm | -93KPa 13L/min | -67KPa 26L/min | -91KPa 10L/min | 23L/min | | | | | | | | | |
| 10 | 1.0mm | -93KPa 27L/min | -67KPa 40L/min | -91KPa 21L/min | 46L/min | | | | | | | | | |
| 12 | 1.2mm | -93KPa 38L/min | -67KPa 50L/min | -91KPa 27L/min | 70L/min | | | | | | | | | |
| ③ Nozzle diameter combination type :B, F, H, M) | | | | | | | | | | | | | | |
| code | code description | GZ type vaccum degree | ZD type vaccum degree | GX type vaccum degree | consumption | | | | | | | | | |
| 07 | 0.7mm | -90.5KPa 11L/min | -66.5KPa 19L/min | -86.5KPa 8.4L/min | 23L/min | | | | | | | | | |
| 10 | 1.0mm | -90.5KPa 19L/min | -66.5KPa 24L/min | -86.5KPa 16L/min | 46L/min | | | | | | | | | |
| 12 | 1.2mm | -90.5KPa 24L/min | -66.5KPa 27L/min | -86.5KPa 19L/min | 70L/min | | | | | | | | | |
| ④ Combination type | | | | | | | | | | | | | | |
| Code | A | B | E | F | G | H | L | M | P | R | Y | S | X | W |
| Vacuum Generator | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Filter | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Vacuum Generator Solenoid valve | ○ | ○ | ○ | ○ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Ccheck valve | ○ | ● | ○ | ● | ○ | ● | ○ | ● | ○ | ○ | ○ | ● | ○ | ● |
| Digital pressure switch | ○ | ○ | ● | ● | ○ | ○ | ● | ● | ○ | ● | ○ | ○ | ● | ● |
| Air timing destroy valve | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ● | ○ | ○ | ○ | ○ |
| Solenoid destroy valve | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ● | ● | ● |
| ⑤ Vacuum port diameter(manifold) | | | | | | | | | | | | | | |
| Code | Code description | | | | Code | Code description | | | | | | | | |
| S4 | Side Φ4 Quick Connector (Mm) | | | | T4 | Top Φ4 Quick Connector (Mm) | | | | | | | | |
| S6 | Side Φ6 Quick Connector (Mm) | | | | T6 | Top Φ6 Quick Connector (Mm) | | | | | | | | |
| S8 | Side Φ8 Quick Connector (Mm) | | | | T8 | Top Φ8 Quick Connector (Mm) | | | | | | | | |
| ⑥ Input port diameter (manifold) | | | | | | | | | | | | | | |
| Input port diameter(manifold type) | | Straight pipe | | | Elbow pipe | | | | | | | | | |
| Code | Right Side | 18 | 10 | 12 | 48 | 40 | 42 | | | | | | | |
| | Both Side | 28 | 20 | 22 | 58 | 50 | 52 | | | | | | | |
| | Left Side | 38 | 30 | 32 | 68 | 60 | 62 | | | | | | | |
| Size (mm) | | φ8 | φ10 | φ12 | φ8 | φ10 | φ12 | | | | | | | |



| ⑦ Exhaust port diameter (manifold) | | | | | | | | |
|--------------------------------------|------------|--------------|---------------|-----|-----|-------|-----|-----|
| Port Position | | Straight Row | Straight Pipe | | | Elbow | | |
| Code | Right Side | S1 | 18 | 10 | 12 | 48 | 40 | 42 |
| | Both Side | S2 | 28 | 20 | 22 | 58 | 50 | 52 |
| | Left Side | S3 | 38 | 30 | 32 | 68 | 60 | 62 |
| Size (mm) | | | φ8 | φ10 | φ12 | φ8 | φ10 | φ12 |

| ⑧ Solenoid valve type (only choose if you select solenoid valve) | |
|--|---|
| Code | Code description |
| E | DC24V NCV acuum generator solenoid valv (solenoid destroy valve default normal close) |

| ⑨ Manifold combination (only choose if you select manifold type) | | | | | | | | | |
|--|----|----|----|----|----|----|----|----|----|
| Code | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 |
| No | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

| ⑩ Pressure switch output (only choose if you select pressure switch) | |
|--|---------------------------|
| Code | Code description |
| NV | 2 lines NPN+ 1~ 5V output |
| PV | 2 lines PNP+ 1~ 5V output |

For example:

Monolithic type XYZKF-CT $\frac{A}{①} \frac{GZ}{②} \frac{07}{③} \frac{A}{④} - \frac{06}{⑤} \frac{06}{⑥} \frac{08}{⑦}$

- ① : Monolithic type 2 side port
- ② : High vacuum, middle flow rate
- ③ : 0.7mm nozzle diameter
- ④ : Atype (only with filter)
- ⑤ : Vacuum port diameter φ 6
- ⑥ : Input port diameter φ 6
- ⑦ : Exhaust port diameter φ 8

Manifold type XYZKF-CT $\frac{C}{①} \frac{GZ}{②} \frac{07}{③} \frac{W}{④} - \frac{S4}{⑤} \frac{18}{⑥} \frac{18}{⑦} \frac{E}{⑧} - \frac{05}{⑨} - \frac{NV}{⑩}$

- ① : Manifold type one side port
- ② : High vacuum, middle flow rate(0.5MPa)
- ③ : 0.7mm nozzle diameter
- ④ : Wcombination
- ⑤ : Vacuum port diameter φ 4
- ⑥ : Input port diameter φ 8
- ⑦ : Exhaust port diameter φ 8
- ⑧ : 24VNC solenoid valve
- ⑨ : Combination quantity
- ⑩ : Pressure switch 2 lines NPN+ 1~ 5Voutput



PRODUCT SPECIFICATION

Working Conditions

| | |
|------------------|---|
| Working Media | Compressed Air |
| Working Pressure | 0.25-0.7mpa |
| Air Supply | Gz, zd Series : 0.5mpa, gx Series : 0.35mpa |
| Working Temp | 5-50°C |
| Lubrication | No Need |

Vacuum Characteristic

| Model No | Nozzle diameter (mm) | Air supply (Mpa) | Vacuum degree (-kpa) | Inhalation (L/min) | Consumption (L/min) |
|--------------|----------------------|------------------|----------------------|--------------------|---------------------|
| CT □ GZ07... | 0.7 | 0.5 | 93 | 13 | 23 |
| CT □ ZD07... | | 0.35 | 73 | | 17 |
| CT □ GX07... | | 0.5 | 67 | 26 | 23 |
| CT □ GZ10... | | 0.35 | 91 | 10.5 | 17 |
| CT □ ZD10... | 1.0 | 0.5 | 93 | 27 | 46 |
| CT □ GX10... | | 0.35 | 73 | | 34 |
| CT □ ZD12... | | 0.5 | 67 | 40 | 46 |
| CT □ GX12... | | 0.35 | 91 | 21 | 34 |
| CT □ ZD12... | 1.2 | 0.5 | 93 | 38 | 70 |
| CT □ GX12... | | 0.35 | 73 | 36 | 47 |
| CT □ ZD12... | | 0.5 | 67 | 50 | 70 |
| CT □ GX12... | | 0.35 | 91 | 27 | 47 |

Solenoid Valve Specification

| Model No | Vacuum generated solenoid valve | Vacuum destroy solenoid valve |
|------------------------|---------------------------------|-------------------------------|
| Voltage | DC24V | |
| Voltage range | DC24V10% | |
| Power | 0.7W | |
| Working mode | Indicate valve action | |
| Manual operation | Press-type manual lever | |
| Operational indication | Red LED | |
| Max pressure | 1.05MPa | |
| Valve type | N.C. | |

Vacuum Filter Specification

| | |
|-----------------|---------------------|
| Filter material | Polyvinyl methylal |
| Filter degree | 10um |
| Filter area | 1130mm ² |
| Ordering code | CT-PVF |



Air Timing Damage Valve

| | |
|-------------------|---|
| Type | Mechanical Timing Module |
| Damage time | After Vacuum Generated Solenoid Valve Closed About 0.3-3s |
| Breaking flow | 0-40l/min (air Supply 0.5mpa) |
| Time setting mode | External Knob Setting |

Vacuum protection function(combination B、F、M、S、W)

| | |
|-------------|------------------|
| Vacuum Leak | Max 1.3KPa/10min |
|-------------|------------------|

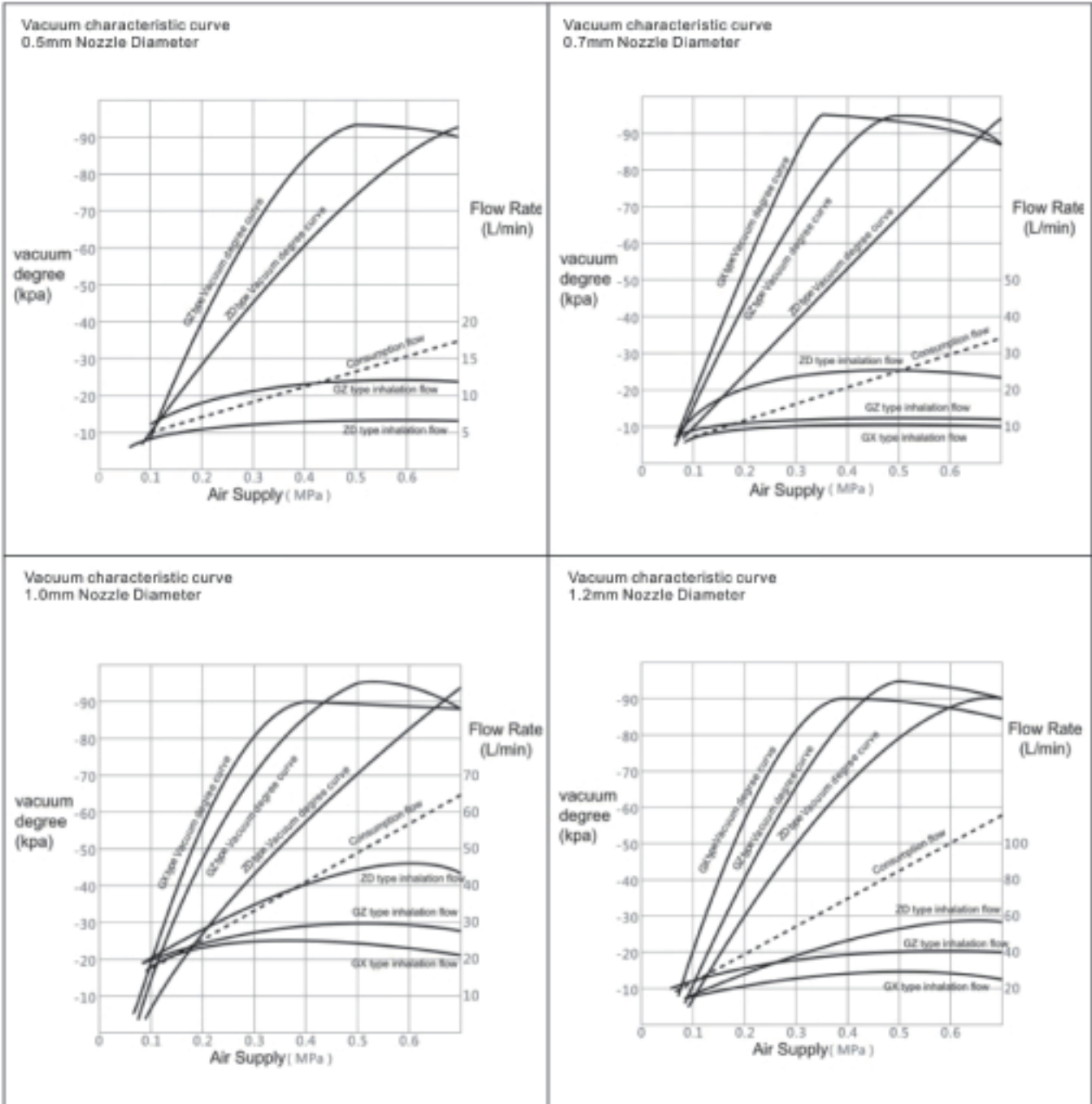
Remark: if need to keep vacuum for a long time,pls consider above specification.

Digital pressure switch (DPS-CT)

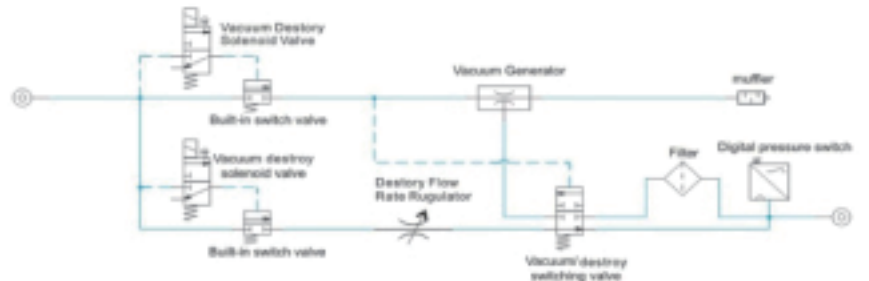
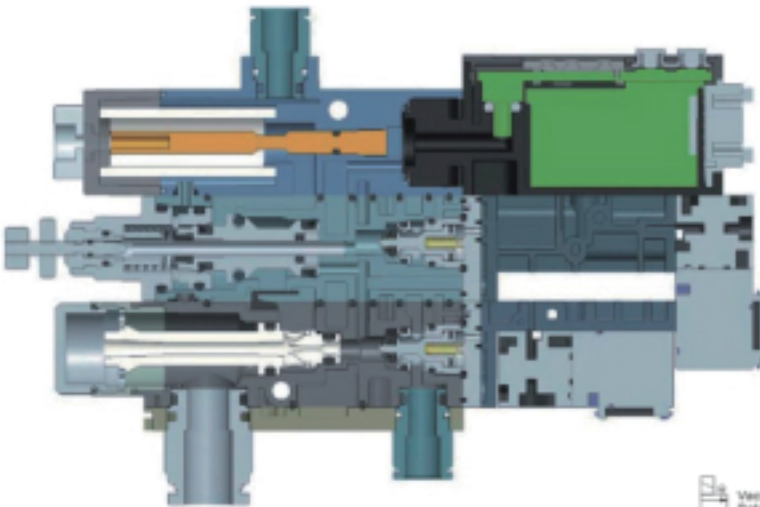
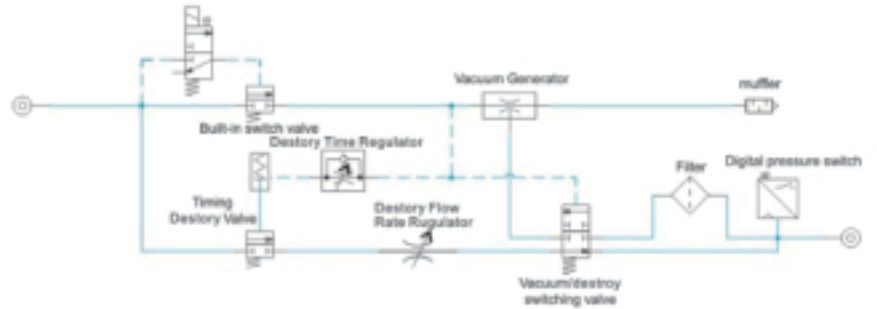
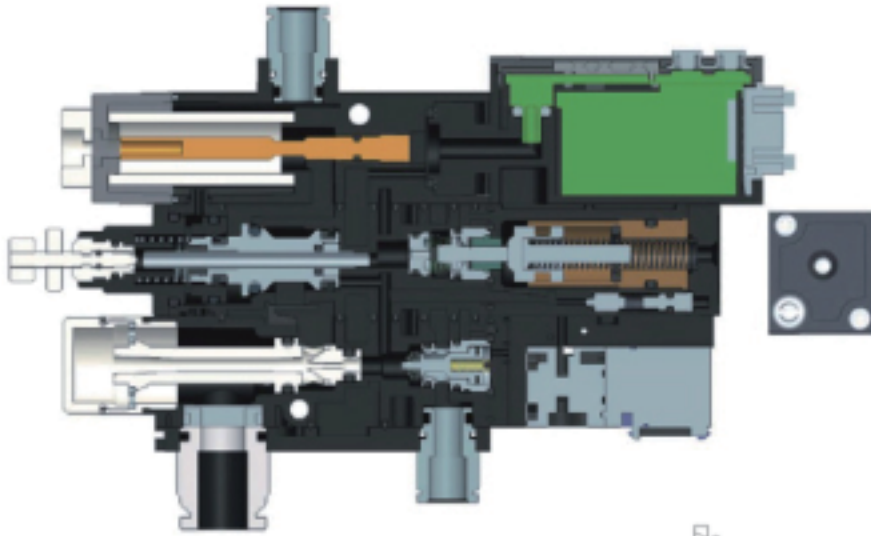
| | | |
|----------------------|-----------------------------|--|
| Specification | Range Of Measurement | -99~+99kPa |
| | Setting Range | -99~+0kPa |
| | Resure-resistance | 1.0MPa |
| | Pressure Type | non-flammable ,no-corrosive gas ,gauge pressure measurement |
| | Pressure Measurement | MEMSsilicon pressure sensor ,NBR/ SILICON Seal |
| | Measurement Accuracy | < 2%F.S. (Ambient temperature 25℃) |
| | Temperature Erro | < 3%F.S. (Ambient temperature0~50℃) |
| | Measurement Patten | hysteresis mode compare mode |
| | Pressure Display | RED LED DISPLAY |
| | Pressure Unit | Kpa (option display multiple 1、 0.75、 0.01、 0.145) |
| Power supply | Voltage | DC12-24V10% |
| | Current | < 30mA |
| Switch signal output | Switch Output | 2 lines switch output |
| | Output Model | NPN/PNP optional (corresponding to low or high efficiency signal receiving) |
| | Switch Signaloutput Current | 80mA MAX |
| | Voltage Drop | 1V MAX |
| | Action Time | 2.5ms 25ms 250ms |
| Analog signal | Signal Level | 1-5V |
| | Load Capacity | load resistance >1KΩ |
| | Output Accuracy | 3%F.S. |
| | Action Time | 60ms |



FEATURES



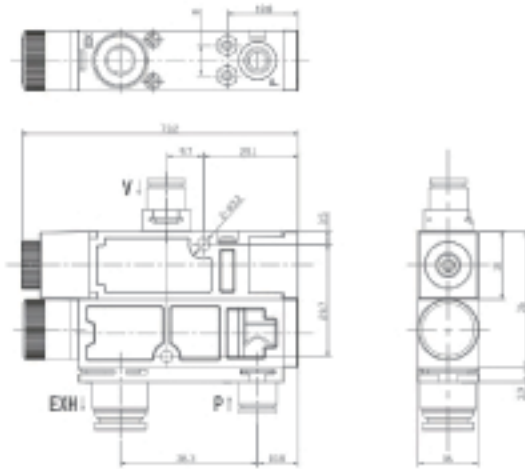
1. Air supply of above diagrams is rated pressure of vacuum Generator
2. Before the Maximum vacuum Degree of vacuum generator, there is a special pressure point will cause unstable phenomena like beep noise, pressure must be adjusted to jump out of this range
3. When select pipeline and component, pipe diameter should be greater than nozzle diameter 3 times, if air supply or exhaust is insufficient, it can't meet the vacuum characteristic. Will cause unstable phenomena like beep noise



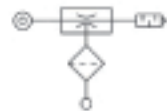


STRUCTURE SIZE AND PNEUMATIC SCHEMATIC DIAGRAM

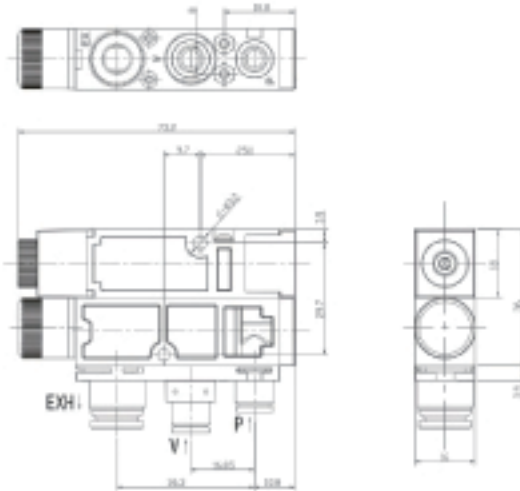
CTA**A/B type



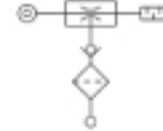
CT** A type pneumatic schematic diagram



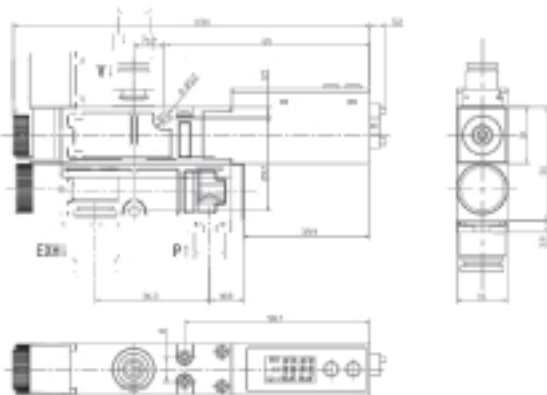
CTB**A/B type



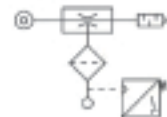
CT** B type pneumatic schematic diagram



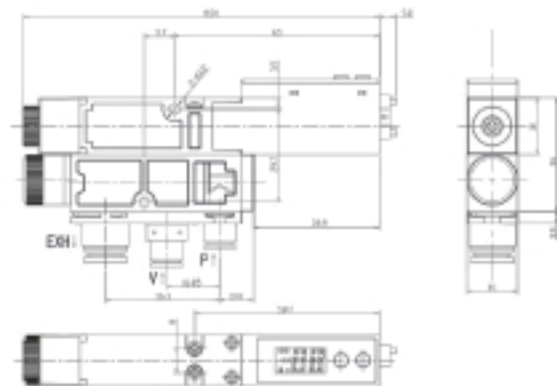
CTA**E/F type



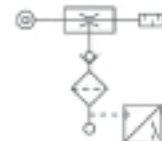
CT** E type pneumatic schematic diagram



CTB**E/F type



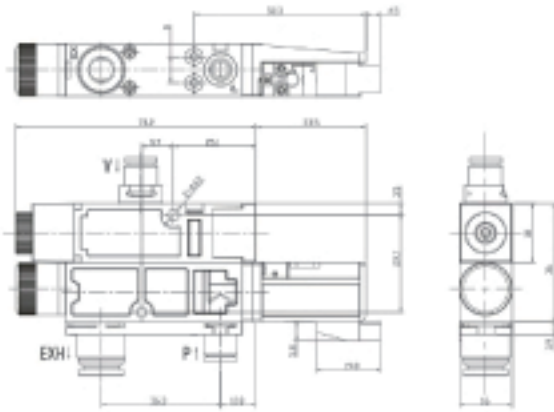
CT** F type pneumatic schematic diagram



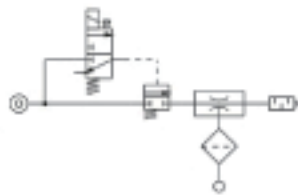


STRUCTURE SIZE AND PNEUMATIC SCHEMATIC DIAGRAM

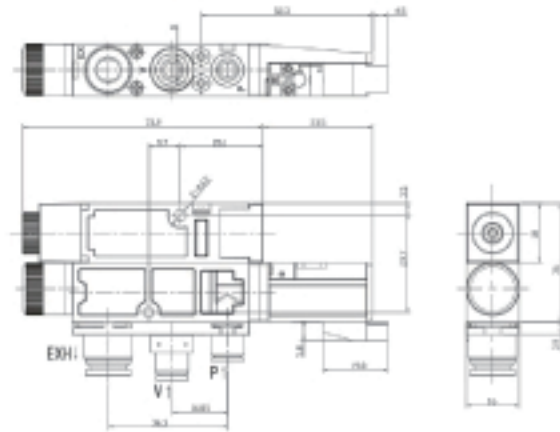
CTA**G/H type



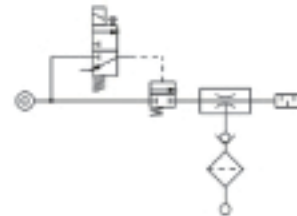
CT*** G type pneumatic schematic diagram



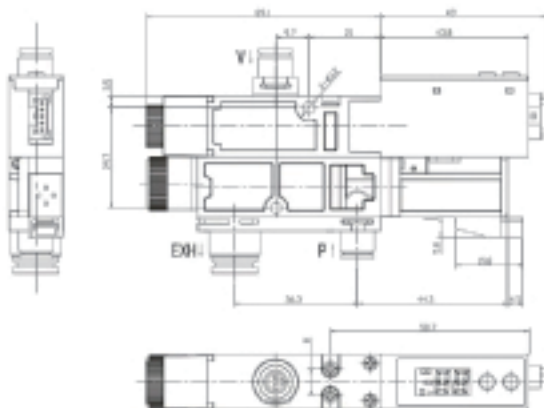
CTB**G/H type



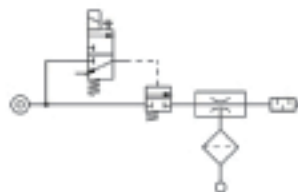
CT*** H type pneumatic schematic diagram



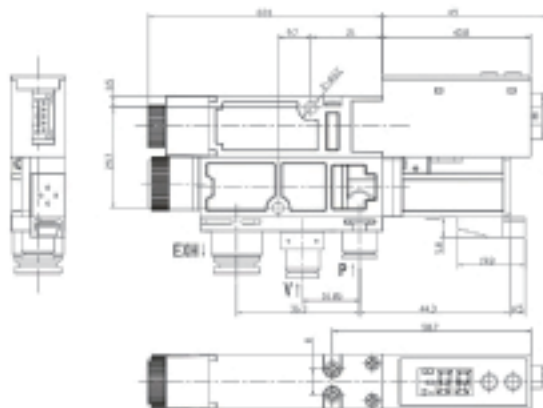
CTA**L/M type



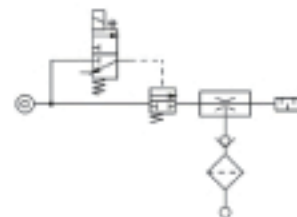
CT***L type pneumatic schematic diagram



CTB**L/M type



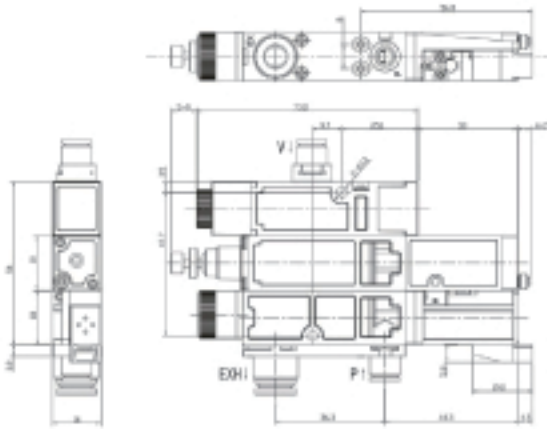
CT***M type pneumatic schematic diagram



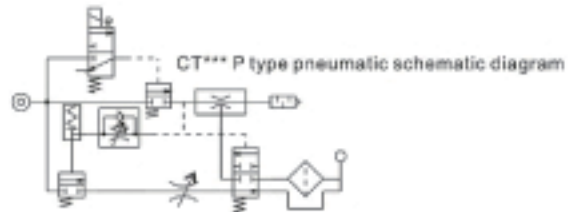
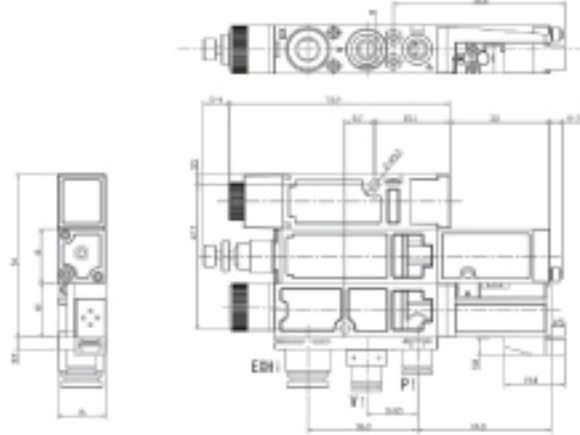


STRUCTURE SIZE AND PNEUMATIC SCHEMATIC DIAGRAM

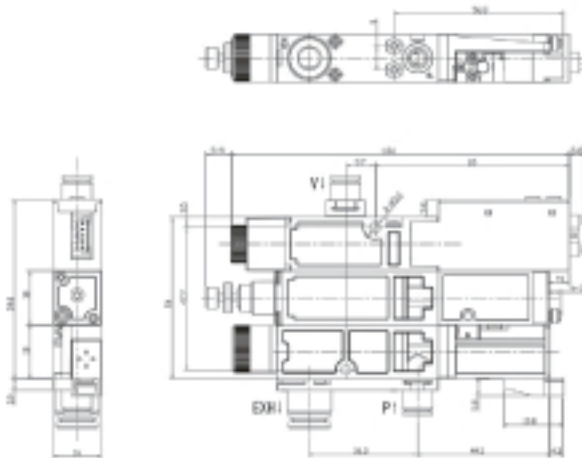
CTAP type**



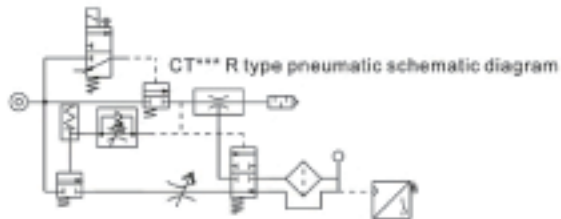
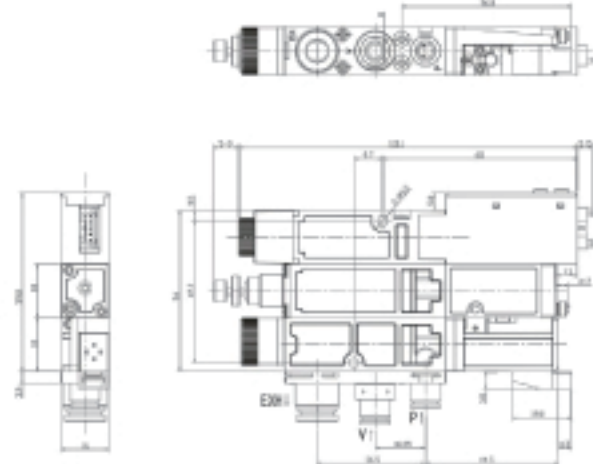
CTBP type**



CTAR type**



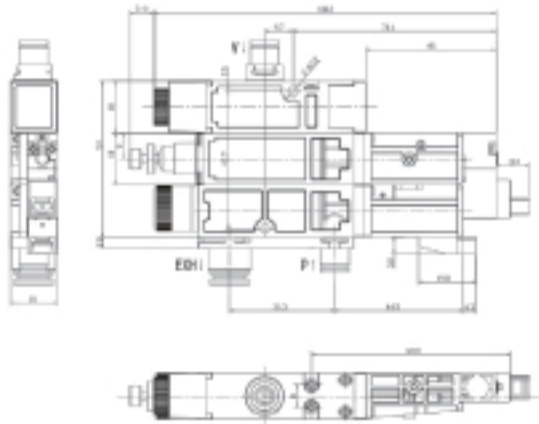
CTBR type**



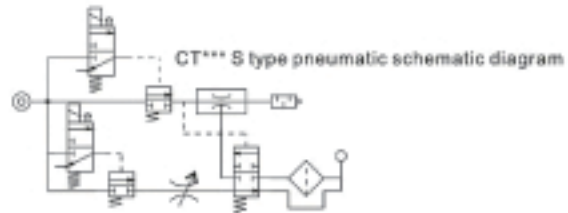
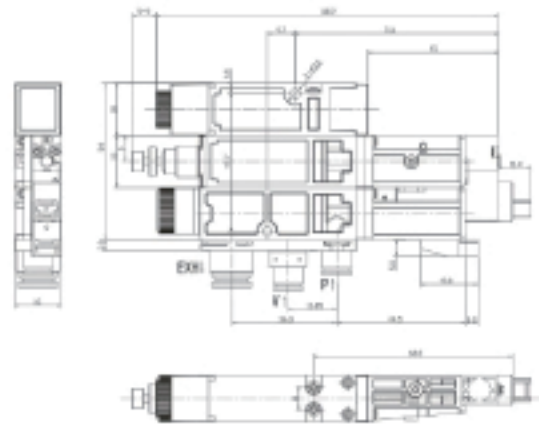


STRUCTURE SIZE AND PNEUMATIC SCHEMATIC DIAGRAM

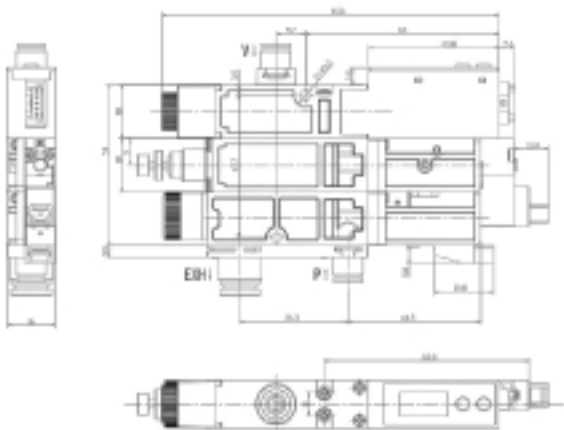
CTA**S/Y type



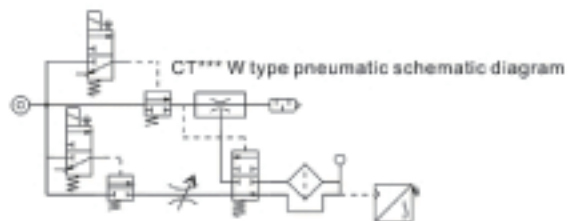
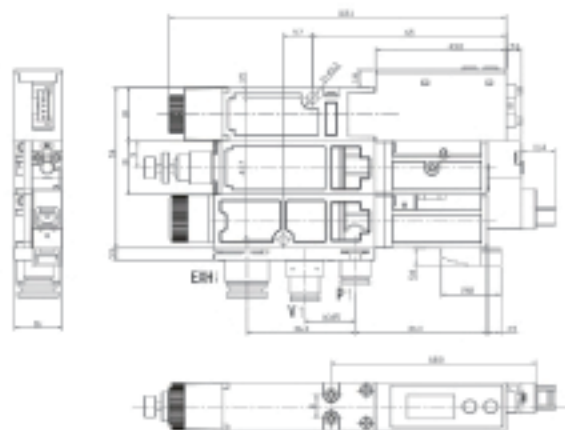
CTB**S/Y type



CTA**W/X type



CTB**W/X type





BASE SIZE CHART

