SELEX F.R.L. Modular type

Copper and PTFE free Series

■ Components for air preparation / pressure adjustment / F.R.L. unit



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| Combination | |
| ● F.R.L. combination (C*000-W-P6) | 500 |
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High polymer membrane type dryer

Air filter

Auto, drain / others

F.R.L. (Module uni

F.R.L. (Separate)

Compact F.R.

Precise regulator F.R.L. (Related products) Clean F.R.

Electro pneumatic regulator

Air booster

Speed control valve

Silencer

Vacuum filter

Vacuum regulator Suction plate

Magnetic spring buffer

Mechanical pressure SW

Electronic pressure SW

Contact / close contact conf. SW

Air sensor

Small flow controller

Flow sensor for air

Total air system

Total air system (Gamma)

Ending

Copper and PTFE free Series F.R.L unit

Refrigerating type dryer Desiccant type drye High polymer Air filter

type dryer

Auto, drain / others

F.R.L.

F.R.L. (Separate)

Compact F.R.

Precise regulato

F.R.L. (Related products)

Clean F.R.

Electro

Air booster

Speed control valve

Silence

Check valve / others

Joint / tube

Vacuum filter

Vacuum regulator

Suction

Magnetic spring buffer

Mechanical

Electronic

pressure SW

pressure SW

Contact / close contact conf.

Air sensor

Small flow controlle

Flow sensor for air

Flow senso for water

Total air system

Total ai

(Gamma)

Ending

F.R.L. combination: Copper and PTFE free

C1000/C2500/C3000 -W-P6 Series C4000/C6500/C8000

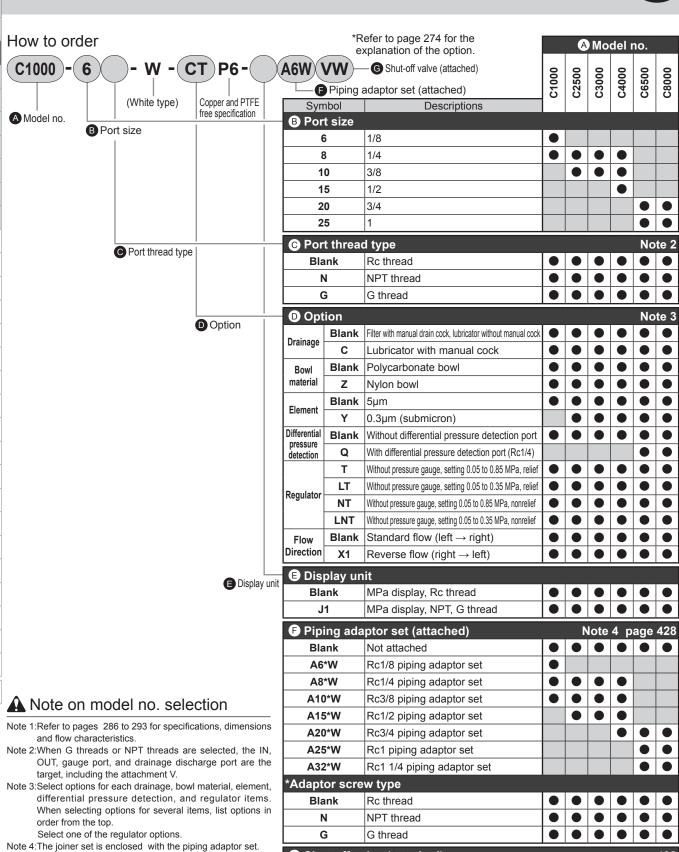
Copper ion prevention treatment

Port size: 1/8 to 1





page 408



G Shut-off valve (attached)

Not attached

Shut-off valve (V3000-W) + joiner set

Blank

vw

Note 5: Combinations other than those above are used as custom combinations (Pages from 510).



Note 4:The piping adaptor set and C type bracket cannot be used

Note 5:The joiner set is enclosed with the piping adaptor set.

at the same time.

Filter and regulator: Copper and PTFE free

W1000/W3000 - W-P6 Series

Copper ion prevention treatment

Port size: 1/8 to 1

JIS symbol





Desiccant type dryer

Auto, drain *Refer to page 274 for the How to order F.R.L. explanation of the option. A Model no. ZT W1000 P6-A6W G Bracket (attached) F.R.L. (Separate) W1000 W3000 Piping adaptor set (attached) Compact F.R. (White type) Copper and PTFE free specification A Model no. Precise regulator Symbol Descriptions B Port size **B** Port size 6 1/8 Clean F.R. 8 1/4 Electro pneumati regulator 10 3/8 15 1/2 Air booster 20 3/4 25 Speed control valve © Port thread type Note 2 Silence C Port thread type Blank Rc thread Check valve / others NPT thread N G G thread Vacuum Option Note 3 Option Vacuum regu**l**ato Drainage Blank With manual drain cock Suction Blank Polycarbonate bowl Bowl material Z Nylon bowl Blank 5µm Element Mechanical pressure SW Υ 0.3µm (submicron) Electronic pressure SW Т Without pressure gauge, setting 0.05 to 0.85 MPa, relief LT Without pressure gauge, setting 0.05 to 0.35 MPa, relief Contact / close contact conf. Regulator NT Without pressure gauge, setting 0.05 to 0.85 MPa, nonrelief Air sensor LNT Without pressure gauge, setting 0.05 to 0.35 MPa, nonrelief Standard flow (left → right) **Blank** Pressure SV Flow Direction Reverse flow (right → left) Display unit Display unit Small flow controlle Blank MPa display, Rc thread J1 MPa display, NPT, G thread Flow sensor Note 4, Note 5, page 428 Piping adaptor set (attached) Flow sensor for water Not attached Blank Total air A6*W Rc1/8 piping adaptor set Total air system (Gamma) **A8*W** Rc1/4 piping adaptor set A10*W Rc3/8 piping adaptor set Ending A15*W Rc1/2 piping adaptor set A20*W Series Rc3/4 piping adaptor set A25*W Rc1 piping adaptor set A Note on model no. selection A32*W Rc1 1/4 piping adaptor set PTFE free Note 1:Refer to pages 334 to 340 for specifications, dimensions *Adaptor screw type and flow characteristics **Blank** Rc thread Note 2:When G threads or NPT threads are selected, the IN, OUT, gauge port, and drainage discharge port are the target. NPT thread Ν Note 3:Select options per drainage, bowl material, element, and G G thread regulator sections. When selecting options for several items, list options in order from the top. **©** Bracket (attached) page 425 Select one of the regulator options. Not attached **Blank**

BW

B3W

C type bracket

L type bracket

Refrigerating type dryer

Desiccant type dryer
High polymer membrane type dryer
Air filter

Reverse filter/regulator: Copper and PTFE free

W1100/W3100 - W-P6 Series

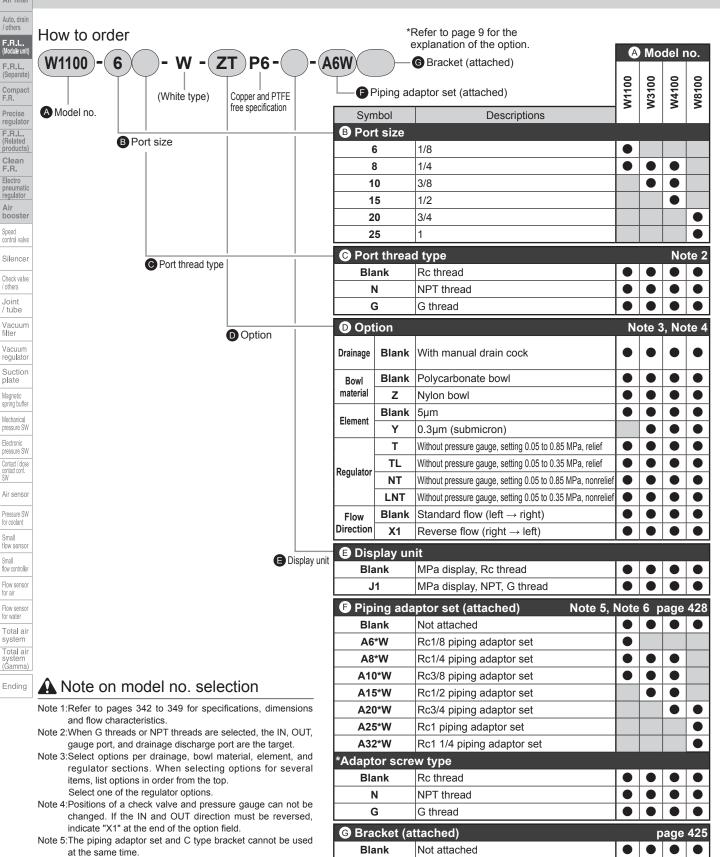
Copper ion prevention treatment

Port size: 1/8 to 1

JIS symbol







BW

B3W

C type bracket

L type bracket

Note 6:The joiner set is enclosed with the piping adaptor set.



set.

Note 5:The joiner set is enclosed with the piping adaptor

Air filter: Copper and PTFE free

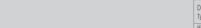
F1000/F3000 F4000/F6000/F8000 - W Series

Copper ion prevention treatment

Copper and PTFE free as standard

Port size: 1/8 to 1

JIS symbol



High polymer membrane type dryer RoHS Air filter

| Llou to order | | | | | | | | | Auto, dra others |
|--|---|-------------|---|--------|-------|-------|-------|---------------|-----------------------------|
| How to order | | | | | | | | /M | R.L. Modu j e u |
| (F1000)-(6)()- W-(Z)-(|)-(A6W) | | *Refer to page 274 for the explanation of the option. | | AN | lode | l no. | F. | F.R.L. |
| | | | explanation of the option. | | | | | | Separat |
| (White type) | G Bra | acket | | 00 | 00 | 00 | 00 | 8 | Compa R. |
| A Model no. | | ached) | | F1000 | F3000 | F4000 | F6000 | | recise egulat |
| | C | | Descriptions | ł | | | | | Related |
| | B Por | nbol | Descriptions | | | | | pr | roduci |
| B Port size | | t Size | 1/8 | | | | | F. | R. |
| | | 8 8 | 1/4 | | | | | pn | lectro neuma egulato |
| | | 0 | 3/8 | | | | | А | ۸ir |
| | | 5 | 1/2 | | | | | | oost Speed |
| | I I I − | 20 | 3/4 | | | | | | ontrol v |
| | 2 | 25 | 1 | | | | • | S | Silenc |
| | @ Por | rt threa | l type | | | | No | te 2 | Check va |
| © Port thread type | | ank | Rc thread | | | | | $\overline{}$ | others Joint |
| | l | N | NPT thread | | • | | • | | tube |
| | | G | G thread | • | • | • | • | | /acuu ilter |
| | D Opt | tion | | | | | No | to 3 | /acuu egu l a |
| D Optio | on Gop | | | | | | 110 | | Sucti |
| | Drainage | Blank | With manual drain cock | | | | | pl | o l ate Nagnetio |
| | Bowl | Blank | Polycarbonate bowl | • | • | | | • sp | pring b |
| | material | Z | Nylon bowl | • | | | • | | Mechani ressure |
| | Element | | 5µm | • | • | | • | | lectroni ressure |
| | | Y | 0.3µm (submicron) | | | | • | Co | Contact / o |
| | | Blank | Without differential pressure detection port | | • | | • | SV | ontact co W |
| | | Q | With differential pressure detection port (Rc1/4) | | | | | Ai | \ir sen |
| | | Blank | Standard flow (left → right) | | | | | | ressure or coola |
| | Direction | Λ1 | Reverse flow (right → left) | | | | | | Small |
| (a) | Display linif I | play un | | | | | | | low sen imall |
| • | Bla | ank | MPa display, Rc thread | • | • | | • | | ow contro |
| | | 11 | MPa display, NPT/G thread | • | | | • | for | low ser or air |
| € Piping ada | DIOI SEL I | | | e 4, l | Note | 5 p | age | 428 FIG | low ser |
| (attached) | Bla | ank | Not attached | • | | | • | | or water Fotal |
| | | 5*W | Rc1/8 piping adaptor set | | | | | Sy | syster |
| | | 8*W | Rc1/4 piping adaptor set | | | | | S | Fotal syste Gamr |
| | | 0*W 5*W | Rc3/8 piping adaptor set | • | | | | | Endir |
| | | 5^VV 0*W | Rc1/2 piping adaptor set | | | | | | |
| ▲ Note on model no. selection | | 5*W | Rc3/4 piping adaptor set Rc1 piping adaptor set | | | | | j. | ries |
| | \ | 2*W | Rc1 1/4 piping adaptor set | | | | | | Çe |
| Note 1:Refer to pages 350 to 359 for specifications, dimen and flow characteristics. | sions | tor scre | 1101 | | | | | | tree |
| Note 2:When G threads or NPT threads are selected, the | | ank | Rc thread | | | | | | Ŧ |
| IN, OUT, and drainage discharge port (metal automatic drain) are the target. | bowl ——— | N | NPT thread | • | • | • | • | | <u>_</u> |
| Note 3:Select options for each drainage, bowl materia | al and | G | G thread | • | • | • | • | • 2 | ana ÷ |
| element. When selecting options for several i list options in order from the top. | | cket (a | ttached) | | | | age | 425 | er : |
| Note 4:The piping adaptor set and C type bracket ca | n not | ank | Not attached | | | | age | | Copper and PTFE free Series |
| be used together. | | w | C type bracket | | | | • | | ם כ |

BW

C type bracket

Refrigerating type dryer Desiccant type dryer Air filter

Oil mist filter: copper and PTFE free

M1000/M3000 M4000/M6000/M8000 **-W** Series

Copper ion prevention treatment

Copper and PTFE free as standard

Port size: 1/8 to 1

JIS symbol





High polymer

type dryer

Auto, drain / others

F.R.L.

F.R.L. (Separate)

Compact F.R.

Precise regulato

F.R.L. (Related products)

Clean F.R.

Electro regulator

Air booster

Speed control valve

Silence

Check valve / others

Joint / tube

Vacuum filter

Vacuum

regu**l**ator

Suction plate

Magnetic spring buffer

Mechanical

pressure SW

Electronic pressure SW

Contact / close contact conf.

Air sensor

Small flow controlle

Flow sensor for air

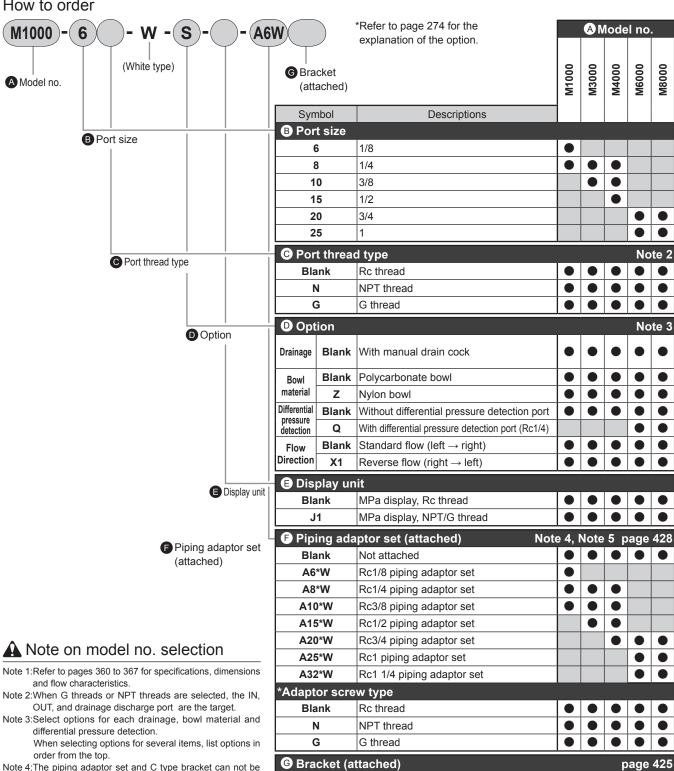
Flow senso for water

Total air

system Total ai

system (Gamma)

Ending



Blank

BW

Not attached

C type bracket

Note 4: The piping adaptor set and C type bracket can not be used together

Note 5:The joiner set is enclosed with the piping adaptor set.



Regulator: Copper and PTFE free

R1000/R2000/R3000 -W-P6 Series

Copper ion prevention treatment

Port size: 1/8 to 1





Desiccant type dryer

RoHS Air filter

| How to order | - | | | | | | | | | | Auti / oti |
|---|------------------------------------|---------------------|-------------------|-------------|---|-------|-------|-------|-------|--------|---------------------------------------|
| R1000 - 6 |)- w -(| T P6- | A6W | | *Refer to page 274 for the explanation of the option. | | A | Мо | del n | 0. | F.F (Mod |
| | (White type) | Copper and PTFE | | Bracke | t (attached) | 00 | 00 | 00 | 00 | 00 | Con F.R |
| A Model no. | | free specification | Pipin | g adapto | r set (attached) | R1000 | R2000 | R3000 | R4000 | R6000 | Yes |
| | | | Syı | mbol | Descriptions | | | | | | F.F (Re |
| | | | В Ро | rt size | | | | | | | Cle |
| В | Port size | | | 6 | 1/8 | | | | | | F-F |
| | | | | 8 | 1/4 | • | • | | • | | pne |
| | | | | 10 | 3/8 | | • | • | • | | Air bo |
| | | | | 15 | 1/2 | | | | | | Spe |
| | | | | 20 | 3/4 | | | | | • | Sil |
| | | | | 25 | 1 | | | | | | |
| | Port thread type | pe I | _ | rt threa | · · | | | | | Not | e 2 Che |
| | | | | ank | Rc thread | • | | • | • | | Jo / tı |
| | | | | N | NPT thread | • | • | | • | • | Va |
| | | | | G | G thread | | | | | | filte |
| | | D Option | ① Ор | tion | | | | | | Not | e 3 Vareg |
| | | | | Т | Without pressure gauge, setting 0.05 to 0.85 MPa, relief | • | • | | • | • | Su |
| | | | Regulator | LT | Without pressure gauge, setting 0.05 to 0.35 MPa, relief | • | • | | • | • | Mag |
| | | | | NT | Without pressure gauge, setting 0.05 to 0.85 MPa, nonrelief | • | | | | | sprii Mec |
| | | | - | LNT | Without pressure gauge, setting 0.05 to 0.35 MPa, nonrelief | • | | | | | pres |
| | | | Flow Direction | Blank X1 | Standard flow (left → right) Reverse flow (right → left) | | | | | | Elec pres |
| | | | | Α1 | , , , | | | | | | Cont |
| | | Display uni | | play ur | 1 | | | | | | SW |
| | | | - | ank J1 | MPa display, Rc thread | | | | | | Air |
| | | | | | MPa display, NPT/G thread | | | | | | Pres for c |
| | | | | | | | 4, 1 | lote | 5 pa | ige 4 | .28 Sma |
| | | | | ank | Not attached | | | | | | Sma |
| | | | - | 5*W | Rc1/8 piping adaptor set | | | | | | flow |
| | | | | 3*W ∩*W | Rc1/4 piping adaptor set Rc3/8 piping adaptor set | | | | | | Flow for a |
| | A10*W A15*W | | | | Rc1/2 piping adaptor set | | | | | | Flow for v |
| | | | A20*W | | Rc3/4 piping adaptor set | | Ť | | • | | То |
| | | | A25*W | | Rc1 piping adaptor set | | | | | | Sys To |
| | | | | 2*W | Rc1 1/4 piping adaptor set | | | | | | Sys (Ga |
| | | | *Adap | tor scre | ew type | | | | | | En |
| | | | Blank N G | | Rc thread | • | • | • | • | • | ● |
| Note on model no. selection | | NPT thread | | | | • | • | • | • | Series | |
| Note 1:Refer to pages 378 to 385 for specifications, dimensions and flow characteristics. Note 2:When G threads or NPT threads are selected, the IN, | | | | | G thread | | | | • | • | ● Š e |
| | | | | | ttached) | | | | pa | ige 4 | • • • • • • • • • • • • • • • • • • • |
| OUT and gauge port are the target. Note 3:Select any one of the option. | | | | ank | Not attached | • | • | • | • | • | •ੋਂ ≝ |
| Note 4:The piping ad | aptor set and C type | e bracket cannot be | B | sw | C type bracket | | | | | • | ● |
| used at the sai | me time. is enclosed with the p | nining adaptor set | В | 3W | L type bracket | | • | • | • | • | an an |
| Note 5. The Joiner Set | is endosed with the p | nping adaptor Set. | В | 4W | B type bracket | | | | | | je l |

Copper and PTFE free Series F.R.L unit

Refrigerating type dryer Desiccant type dryer Air filter Reverse regulator: Copper and PTFE free

R1100/R2100/R3100 -W-P6 Series R4100/R6100/R8100

Copper ion prevention treatment

Port size: 1/8 to 1

JIS symbol





page

 425

High polymer

type dryer

Auto, drain / others

F.R.L.

F.R.L. (Separate)

Compact F.R.

Precise regulato

F.R.L. (Related products)

Clean F.R.

Electro regulator

Air booster

Speed control valve

Silence

Check valve / others

Joint / tube

Vacuum filter

Vacuum

regu**l**ator

Suction plate

Magnetic spring buffer

Mechanical

Electronic pressure SW

pressure SW

Contact / close contact conf.

Air sensor

Pressure SW for coolant

Small flow controlle

Flow sensor for air

Flow senso for water

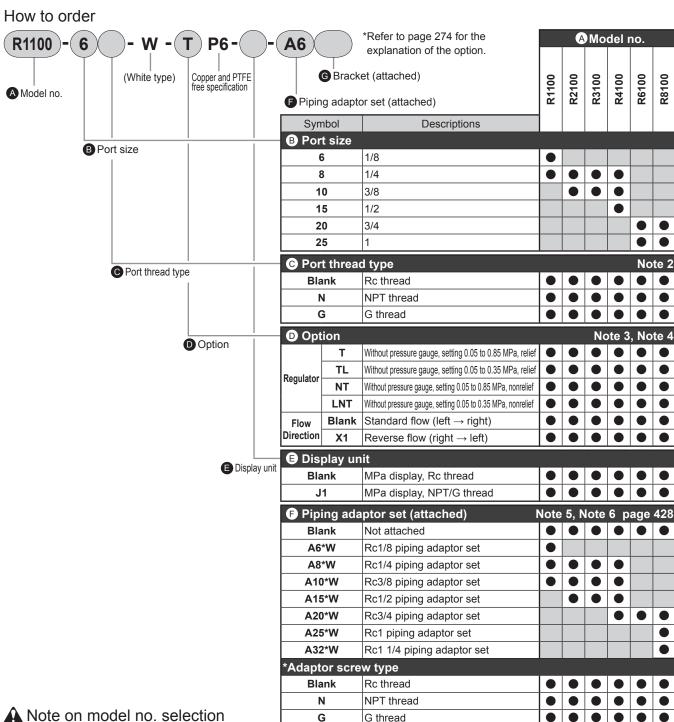
Total air

system

Total ai

(Gamma)

Ending



G Bracket (attached)

Not attached

C type bracket

L type bracket

B type bracket

Blank

BW

R3W

B6W

Note on model no. selection

- Note 1:Refer to pages 386 to 393 for specifications, dimensions and flow characteristics.
- Note 2:When G threads or NPT threads are selected, the IN, OUT and gauge port are the target.
- Note 3:Select any one of the option.
- Note 4:Positions of a check valve and pressure gauge can not be changed. If the IN and OUT direction must be reversed, indicate "X1" at the end of the option field.
- Note 5:The piping adaptor set and C type bracket cannot be used at the same time.
- Note 6:The joiner set is enclosed with the piping adaptor



Note 6:The joiner set is enclosed with the piping adaptor set.

Lubricator: Copper and PTFE free

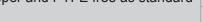
L1000/L3000 **V Series**

Copper ion prevention treatment

Copper and PTFE free as standard

Port size: 1/8 to 1

JIS symbol



High polymer membrane type dryer

RoHS Air filter

| How to order | | | | | | | / othe | drain ers LL ule unit) |
|---|-----------------------|----------------|---|----------|-------|--------|--------------------------|---------------------------------|
| (L1000)-(6) - W -(C)-(A6) | | | *Refer to page 274 for the explanation of the option. | A | Mod | el no | F.R. | R.L. |
| (IAAlain, kura) | \top | | | | | | Com | npact |
| (White type) A Model no. | Bracket (attached | 1/ | | L1000 | L3000 | L4000 | Prec regu | |
| | (allached | ı) | | _ `- | נ | ا د | F.R. | ulator R.L. |
| | | mbol | Descriptions | | | | | ducts) |
| B Port size | B Por | | 14/0 | | | | Clea F.R. | |
| | | 6 8 | 1/8 | | | | Electi pneur regul | umatic |
| | | 0 0 | 3/8 | | | | Air | |
| | | 5 | 1/2 | | | | | oster |
| | | 20 | 3/4 | | | contro | d ol valve | |
| | 2 | 25 | 1 | | | | Sile | encer |
| Dort throad tune | © Por | t threa | d type | | | Not | te 2 Check | ck valve ers |
| Port thread type | Bla | ank | Rc thread | • | • | | Join / tuk | |
| | | N | NPT thread | • | • | | | cuum |
| | | G | G thread | • | • | | filter | |
| D Option | Opt | tion | | | | Not | te 3 | ulator |
| G opadii | Drainage | Blank | Without manual cock | • | • | • | plat Magne | netic |
| | Bowl | Blank | Polycarbonate bowl | • | • | • | | g buffer |
| | material Note 4 | Z | Nylon bowl | • | • | | Mecha pressu | anical sure SW |
| | Note 4 | M | Metal bowl | | • | | Electro pressu | ronic sure SW |
| | Flow Direction | Blank | Standard flow (left → right) | | | | contact | ct / close ct conf. |
| | | X1 | Reverse flow (right → left) | | | | SW | |
| ■ Display unit | | play un | | | | | | sensor |
| | | ank 1 | MPa display, Rc thread MPa display, NPT, G thread | | | | Pressu for coo | sure SW iolant |
| | | ; | | Note | 6 10 | | Small flow s | sensor |
| Piping adaptor set | Blank | | nptor set (attached) Note 5 Not attached | , NOLE | σμ | age | Small | ontroller |
| (attached) | A6*W A8*W A10*W | | Rc1/8 piping adaptor set | • | | | | sensor |
| | | | Rc1/4 piping adaptor set | • | • | | for air | |
| | | | Rc3/8 piping adaptor set | • | • | | for wa | sensor ater |
| A | A1 | 5*W | Rc1/2 piping adaptor set | | • | | Tota syst | al air tem |
| A Note on model no. selection | A2 | 0*W | Rc3/4 piping adaptor set | | | • | syst | |
| Note 1:Refer to pages 394 to 401 for specifications, dimensions and flow characteristics. | - | 5*W | Rc1 piping adaptor set | | | | | mma) |
| Note 2:When G threads or NPT threads are selected, the IN and | | 2*W | Rc1 1/4 piping adaptor set | | | | End | ding |
| OUT are the target. Note 3:Select options for each drainage and bowl material. | *Adaptor scre | | Rc thread | | | | Series | |
| When selecting options for several items, list options in | Blank N | | NPT thread | | | | Sei | |
| order from the top. Note 4:The side dome's material will change to polyacetal resin | G | | G thread | | • | | free | |
| when the nylon bowl or metal bowl is selected. | | | ttached) | | - | age 4 | 425 Lee | |
| Note 5:The piping adaptor set and C type bracket cannot be used at the same time. | | ank | Not attached | • | age | 140 H | | |
| Note 6:The joiner set is enclosed with the piping adaptor set. | - Si | | O. L. L. L. | — | | | <u>a</u> | _ |

BW

C type bracket

Other component: Copper and PTFE free Pressure gauge

Shut-off valve

Exhaust cleaner

G49D-P6 V3000-W FA*31 Series G59D-P6 V3010-W V6010-W

RoHS

How to order

Desiccant type dryer

High polyme membrane type dryer

Air filter Auto, drain / others

F.R.L. (Module unit

F.R.L. (Separate)

Compact F.R.

Precise regulator

F.R.L. (Related products)

Clean F.R.

Joint / tube

Vacuum filter

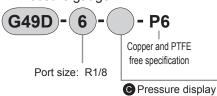
Vacuum regu**l**ator Suction plate Magnetic spring buffer Mechanical pressure SW

Electronic pressure SW

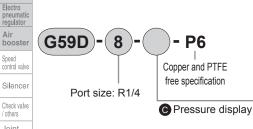
Contact / close contact conf. SW

Air sensor

Small flow sensor Small flow controller Flow sensor for air Flow sensor for water Total air system Total air system (Gamma) Pressure gauge



Symbol Descriptions C Pressure display (MPa) Note 1 P02 0 to 0.2MPa P04 0 to 0.4MPa P10 0 to 1.0MPa



| | Symbol | Descriptions |
|---|--------------|----------------------|
| _ | © Pressure d | lisplay (MPa) Note 1 |
| | P02 | 0 to 0.2MPa |
| | P04 | 0 to 0.4MPa |
| | P10 | 0 to 1.0MPa |
| | P20 | 0 to 2.0MPa |

A Note on model no. selection

Note 1: Refer to page 664 for dimensions.

Other components

Shut-off valve

Exhaust cleaner

·V3000-W (page 408)

·FA*31 (page 244)

·V3010-W/V6010-W (page 411)

* The above devices are standard parts, and used with PTFE free specifications.

Ending