

2 Searching by product series

Select from external appearance and product description of each series.

NEW indicates models added to the 9th edition.

F.R.L. unit >>> P.1

Modular design
Rotary actuator F.R.L.

- Contents/P.23
- Series variation/P.4



Page P.31 on

F.R.L. unit

Standard Series

Combination

■ F.R.L. combination

Series	Port size (Rc, G, NPT)	Features	Page
C1000-W	1/8, 1/4	Integrated filter, regulator and lubricator	32
C2000-W	1/4, 3/8		
C2500-W	1/4, 3/8		
C3000-W	1/4, 3/8		
C4000-W	1/4, 3/8, 1/2		
C6500-W	3/4, 1		
C8000-W	3/4, 1		

■ W.L. combination

Series	Port size (Rc, G, NPT)	Features	Page
C1010-W	1/8, 1/4	Integrated filter, regulator and lubricator	40
C2010-W	1/4, 3/8		
C3010-W	1/4, 3/8		
C4010-W	1/4, 3/8, 1/2		
C8010-W	3/4, 1		

■ F.R. combination

Series	Port size (Rc, G, NPT)	Features	Page
C1020-W	1/8, 1/4	Integrated filter and regulator	46
C2020-W	1/4, 3/8		
C2520-W	1/4, 3/8		
C3020-W	1/4, 3/8		
C4020-W	1/4, 3/8, 1/2		
C6020-W	3/4, 1		
C8020-W	3/4, 1		

■ F.M.R. combination

Series	Port size (Rc, G, NPT)	Features	Page
C1030-W	1/8, 1/4	Integrated filter, oil mist filter and regulator	52
C2030-W	1/4, 3/8		
C2530-W	1/4, 3/8		
C3030-W	1/4, 3/8		
C4030-W	1/4, 3/8, 1/2		
C6030-W	3/4, 1		
C8030-W	3/4, 1		

■ W.M. combination

Series	Port size (Rc, G, NPT)	Features	Page
C1040-W	1/8, 1/4	Integrated filter/regulator and oil mist filter	58
C2040-W	1/4, 3/8		
C3040-W	1/4, 3/8		
C4040-W	1/4, 3/8, 1/2		
C8040-W	3/4, 1		

■ R.M. combination

Series	Port size (Rc, G, NPT)	Features	Page
C1050-W	1/8, 1/4	Integrated regulator and oil mist filter	64
C2050-W	1/4, 3/8		
C2550-W	1/4, 3/8		
C3050-W	1/4, 3/8		
C4050-W	1/4, 3/8, 1/2		
C6050-W	3/4, 1		
C8050-W	3/4, 1		

■ F.M. combination

Series	Port size (Rc, G, NPT)	Features	Page
C1060-W	1/8, 1/4	Integrated filter and oil mist filter	70
C2060-W	1/4, 3/8		
C3060-W	1/4, 3/8		
C4060-W	1/4, 3/8, 1/2		
C6060-W	3/4, 1		
C8060-W	3/4, 1		

■ F.F.M. combination

Series	Port size (Rc, G, NPT)	Features	Page
C3070-W	1/4, 3/8	Integrated 5 µm filter, 0.3 µm filter and oil mist filter	76
C4070-W	1/4, 3/8, 1/2		
C6070-W	3/4, 1		
C8070-W	3/4, 1		



Filter/regulator

■ Filter/regulator

Series	Port size (Rc, G, NPT)	Features	Page
W1000-W	1/8, 1/4	New Series using 5µm elements for dust removal, and 0.3µm elements for tar removal	80
W2000-W	1/4, 3/8		
W3000-W	1/4, 3/8		
W4000-W	1/4, 3/8, 1/2		
W8000-W	3/4, 1		

■ Reverse filter/regulator

Series	Port size (Rc, G, NPT)	Features	Page
W1100-W	1/8, 1/4	With reverse flow function built in	88
W2100-W	1/4, 3/8		
W3100-W	1/4, 3/8		
W4100-W	1/4, 3/8, 1/2		
W8100-W	3/4, 1		

Modular design
 Rotary actuator F.R.L.

- Contents/P.23
- Series variation/P.4



F.R.L. unit

Standard Series

Air filter

■ Air filter

Series	Port size (Rc, G, NPT)	Features	Page
F1000-W	1/8, 1/4	New Series using 5µm elements for dust removal, and 0.3µm elements for tar removal	96
F2000-W	1/4, 3/8		
F3000-W	1/4, 3/8		
F4000-W	1/4, 3/8, 1/2		
F6000-W	3/4, 1		
F8000-W	3/4, 1		

■ Oil mist filter

Series	Processing flow rate ℓ /min (ANR)			Features	Page
	M type	S type	X type		
M1000-W	150	150	150	Ideal for circuits susceptible to oil, including measuring and instrumentation circuits	106
M2000-W	250	310	310		
M3000-W	360	450	450		
M4000-W	825	1000	1000		
M6000-W	1270	1400	1400		
M8000-W	2600	2900	2900		

■ High-performance oil mist filter

Series	Processing flow rate	Features	Page
MX1000-W	75 ℓ /min(ANR)	Secondary oil content 0.001 mg/m ³ Appropriate for optical devices, such as optical positioning devices and laser processing systems	116
MX3000-W	180 ℓ /min(ANR)		
MX4000-W	370 ℓ /min(ANR)		
MX6000-W	670 ℓ /min(ANR)		
MX8000-W	1480 ℓ /min(ANR)		

2 Searching by product series

Select from external appearance and product description of each series.

NEW indicates models added to the 9th edition.

F.R.L. unit >>> P.1

Modular design
Rotary actuator F.R.L.

- Contents/P.23
- Series variation/P.4



Page P.31 on

F.R.L. unit

Standard Series

Regulator

■ Regulator

Series	Port size (Rc, G, NPT)	Features	Page
R1000-W	1/8, 1/4	Compact, pressure gauge embedded.	124
R2000-W	1/4, 3/8		
R3000-W	1/4, 3/8		
R4000-W	1/4, 3/8, 1/2		
R6000-W	3/4, 1		
R8000-W	3/4, 1		

■ Reverse regulator

Series	Port size (Rc, G, NPT)	Features	Page
R1100-W	1/8, 1/4	With reverse flow function built in	132
R2100-W	1/4, 3/8		
R3100-W	1/4, 3/8		
R4100-W	1/4, 3/8, 1/2		
R6100-W	3/4, 1		
R8100-W	3/4, 1		



Lubricator

■ Lubricator

Series	Port size (Rc, G, NPT)	Features	Page
L1000-W	1/8, 1/4	Supplies fine oil mist	140
L3000-W	1/4, 3/8		
L4000-W	1/4, 3/8, 1/2		
L8000-W	3/4, 1		

Modular design
 Rotary actuator F.R.L.

- Contents/P.23
- Series variation/P.4



Page P.31 on

F.R.L. unit

Related products

Mechanical pressure switch

■ Pressure switch

Series	Port size	Features	Page
P4000-W	Rc1/4,3/8,1/2	Wide pressure setting range covers 0.1 to 0.8 MPa	148

■ Compact mechanical pressure switch with reed switch

Series	Port size	Features	Page
P1100-W	Rc1/8,1/4	Space-saving and can be set over a wide range of pressure	150
P4100-W	Rc1/4,3/8,1/2		
P8100-W	Rc3/4,1		

Shut-off valve

■ Shut-off valve

Series	Port size (Rc, G, NPT)	Features	Page
V1000-W	1/8,1/4	Ideal for preventing residual pressure accidents	154
V3000-W	1/4,3/8,1/2		

■ With locking hole (OSHA compliant)

Series	Port size (Rc, G, NPT)	Features	Page
V3010-W	1/4,3/8,1/2	OSHA compliant	157
V6010-W	3/4,1		

■ With push-in fitting (Quick Valve)

Series	Compatible tube O.D.	Features	Page
2QV	R1/8,1/4	2-way valve	160
3QV	φ4,6,8,10,12	3-way valve	



Slow start valve

■ Slow start valve

Series	Port size	Features	Page
V3301-W	Rc1/4,3/8,1/2	Ensuring safety when starting and stopping	168
V3321-W			



3-port solenoid valve with spool position detection

■ 3-port solenoid valve with spool position detection

Series	Port size	Features	Page
SNP	Rc3/8,1/2,3/4	Spool position detection for reliable open/close detection	171

2 Searching by product series

Select from external appearance and product description of each series.

NEW indicates models added to the 9th edition.

F.R.L. unit >>> P.1

Modular design
Rotary actuator F.R.L.

- Contents/P.23
- Series variation/P.4



Page P.177 on

F.R.L. unit Flame-resistant Series

Filter/regulator

Filter/regulator

Series	Port size (Rc, G, NPT)	Features	Page
W3000-G4	1/4,3/8	New Series using 5µm elements for dust removal, and 0.3µm elements for tar removal	178
W4000-G4	1/4,3/8,1/2		
W8000-G4	3/4,1		

Reverse filter/regulator

Series	Port size (Rc, G, NPT)	Features	Page
W3100-G4	1/4,3/8	With reverse flow function built in	184
W4100-G4	1/4,3/8,1/2		
W8100-G4	3/4,1		



Air filter

Air filter

Series	Port size (Rc, G, NPT)	Features	Page
F3000-G4	1/4,3/8	New Series using 5µm elements for dust removal, and 0.3µm elements for tar removal	192
F4000-G4	1/4,3/8,1/2		
F8000-G4	3/4,1		

Regulator

Regulator

Series	Port size (Rc, G, NPT)	Features	Page
R3000-G4	1/4,3/8	Compact, pressure gauge embedded.	200
R4000-G4	1/4,3/8,1/2		
R8000-G4	3/4,1		

Reverse regulator

Series	Port size (Rc, G, NPT)	Features	Page
R3100-G4	1/4,3/8	With reverse flow function built in	206
R4100-G4	1/4,3/8,1/2		
R8100-G4	3/4,1		

Modular design
Rotary actuator F.R.L.

- Contents/P.23
- Series variation/P.4



Page P.213 on

F.R.L. unit Oil-prohibited Series

Regulator

Regulator

Series	Port size	Features	Page
RN3000	Rc1/4,Rc3/8	Modular design regulator with oil-free fluid passage	214
RN4000	Rc1/4,Rc3/8,Rc1/2		
RN8000	Rc3/4,Rc1		

Modular design
 Rotary actuator F.R.L.

- Contents/P.23
- Series variation/P.4



Page P.221 on

F.R.L. unit

Medium pressure Series

Air filter

■ Air filter

Series	Port size (Rc, G, NPT)	Features	Page
FM3000-W	1/4,3/8	Air filter F3000 to F8000 Series medium pressure specifications	222
FM4000-W	1/4,3/8,1/2		
FM6000-W	3/4,1		
FM8000-W	3/4,1		

Oil mist

■ Oil mist filter

Series	Processing flow rate ℓ/min (ANR)			Features	Page
	M type	S type	X type		
MM3000-W	490	610	610	Oil mist filter M3000 to M8000 Series medium pressure specifications	228
MM4000-W	1130	1370	1370		
MM6000-W	1740	1920	1920		
MM8000-W	3560	3980	3980		

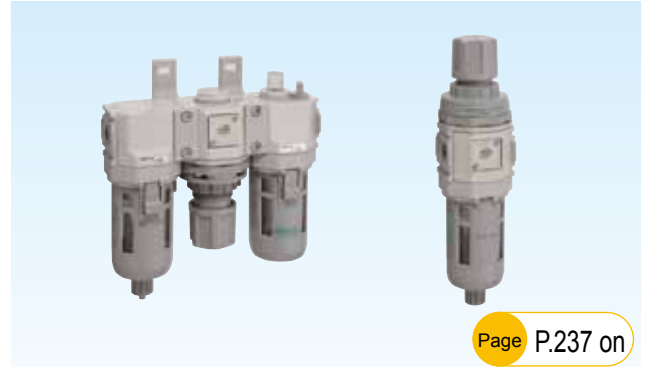
Regulator

■ Regulator

Series	Port size (Rc, G, NPT)	Features	Page
RM3000-W	1/4,3/8	Regulator R3000, R4000 Series medium pressure specifications	234
RM4000-W	1/4,3/8,1/2		

Modular design
 Rotary actuator F.R.L.

- Contents/P.23
- Series variation/P.4



Page P.237 on

F.R.L. unit

Copper and PTFE free Series

Combination

■ F.R.L. combination

Series	Port size (Rc, G, NPT)	Features	Page
C1000 to 8000-W-P6	1/8 to 1	Integrated filter, regulator and lubricator	238

Filter/regulator

■ Filter/regulator

Series	Port size (Rc, G, NPT)	Features	Page
W1000 to 8000-W-P6	1/8 to 1	New Series using 5μm elements for dust removal, and 0.3μm elements for tar removal	239

■ Reverse filter/regulator

Series	Port size (Rc, G, NPT)	Features	Page
W1100 to 8100-W-P6	1/8 to 1	With reverse flow function built in	240

2 Searching by product series

Select from external appearance and product description of each series.

NEW indicates models added to the 9th edition.

F.R.L. unit >>> P.1

Modular design
Rotary actuator F.R.L.

- Contents/P.23
- Series variation/P.4



Page P.237 on

F.R.L. unit

Copper and PTFE free Series

Air filter

■ Air filter

Series	Port size (Rc, G, NPT)	Features	Page
F1000 to 8000-W	1/8 to 1	New Series using 5µm elements for dust removal, and 0.3µm elements for tar removal	241

■ Oil mist filter

Series	Port size (Rc, G, NPT)	Features	Page
M1000 to 8000-W	1/8 to 1	Ideal for circuits susceptible to oil, including measuring and instrumentation circuits	242

Regulator

■ Regulator

Series	Port size (Rc, G, NPT)	Features	Page
R1000 to 8000-W-P6	1/8 to 1	Compact, pressure gauge embedded.	243

■ Reverse regulator

Series	Port size (Rc, G, NPT)	Features	Page
R1100 to 8100-W-P6	1/8 to 1	With reverse flow function built in	244

Lubricator

■ Lubricator

Series	Port size (Rc, G, NPT)	Features	Page
L1000 to 8000-W	1/8 to 1	Supplies fine oil mist	245



Pressure gauge

■ General purpose

Series	Port size	Features	Page
G49D-P6 G59D-P6	R1/8, 1/4	Glass lens is used	246

Modular design
Rotary actuator F.R.L.

- Contents/P.23
- Series variation/P.4



NEW

Page P.247 on

F.R.L. unit

Outdoor Series

Filter/regulator

■ Filter/regulator

Series	Port size (Rc, G, NPT)	Features	Page
WW4000	1/4, 3/8, 1/2	Filter/regulator W4000, W8000 Series outdoor specifications	250
WW8000	3/4, 1		

Air filter

■ Air filter

Series	Port size (Rc, G, NPT)	Features	Page
FW4000	1/4, 3/8, 1/2	Air filter F4000, F8000 Series outdoor specifications	254
FW8000	3/4, 1		

Oil mist filter

■ Oil mist filter

Series	Processing flow rate ℓ/min (ANR)		Features	Page
	M type	S type		
MW4000	825	1000	Oil mist filter M4000, M8000 Series outdoor specifications	258
MW8000	2600	2900		

Regulator

■ Regulator

Series	Port size (Rc, G, NPT)	Features	Page
RW4000	1/4, 3/8, 1/2	Regulator R4000, R8000 Series outdoor specifications	262
RW8000	3/4, 1		

Modular design
Rotary actuator F.R.L.

- Contents/P.23
- Series variation/P.4

- Contents/P.1
- Series variation/P.4



Page P.266 on

F.R.L. unit

Attachment

Bracket/joiner

■ Bracket

Series	Applicable	Features	Page
B***-W	Modular design mounting bracket	T type, C type, L type	267

■ Joiner

Series	Applicable	Page
J***-W	Modular design fittings	267



Distributor

■ Distributor

Series	Applicable	Features	Page
D*01-00-W	Modular design piping branch fittings	For piping port branch	268

Pipe adaptor

■ Pipe adaptor

Series	Applicable	Features	Page
A***-W	Modular design pipe adaptor	Pipe adaptor set	270



Page P.289 on

F.R.L. unit

Related products (pressure gauge/display)

Pressure gauge

■ Pressure gauge assembly

Series	Connection method	Features	Page
G401	O-ring sealant	Low-profile ideal for embedding in devices	290

■ With safety marker / limit marker

Series	Connection method	Features	Page
G40D	R1/8, 1/4	Inspection control with easy visual green/red display	291
G45D		Easy visual inspection control thanks to the green arrow.	292

■ General purpose

Series	Connection method	Features	Page
G49D,G59D	R1/8, 1/4	Glass lens is used	293

■ Pressure gauge for panel mounting/pressure gauge with switch

Series	Connection method	Features	Page
G53D	R1/8, 1/4	With panel mounting added	296
G52D	R1/4	With pressure switch function added	298

■ Miniature/round

Series	Connection method	Features	Page
G29D	R1/16, 1/8	Pressure display unit φ21 * Custom order product	300
G39D	R1/8	For practical use * Custom order product	301

■ Vacuum pressure gauge

Series	Differential pressure measured range	Features	Page
VG41D	R1/8	Green arrow	302

■ Differential pressure gauge

Series	Differential pressure measured range	Features	Page
GA400-8-P02	0 to 0.2 MPa	For controlling air filter service life	304

- Contents/P.1
- Series variation/P.4



Page P.305 on

F.R.L. unit

Indicator

■ Moisture indicator

Series	Port size	Features	Page
6119	Rc1/4	For dew point monitor of desiccant air dryer	305

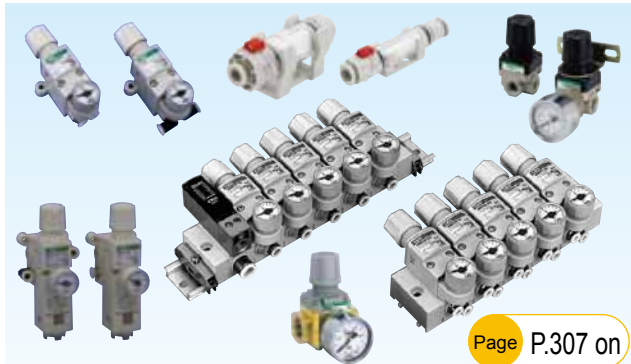
2 Searching by product series

Select from external appearance and product description of each series.

NEW indicates models added to the 9th edition.

F.R.L. unit ▶▶▶ P.1

- Contents/P.1
- Series variation/P.4



Page P.307 on

F.R.L. unit

Compact regulator, Filter/regulator

Regulator

■ Compact piston

Series	Port size	Features	Page
RA800	Rc1/8, 1/4	Simplified regulator with small size, light weight and improved operation	308

■ Compact regulator

Series	Port size	Features	Page
RB500	Push-in fitting $\phi 4/6$	Compact and space saving design	312

Filter/regulator

■ Compact filter/regulator

Series	Port size	Features	Page
WB500	Push-in fitting $\phi 4/6$	Compact and space saving design	314

Block manifold regulator

■ Block manifold regulator

Series	Port size	Features	Page
MNRB500A	Push-in fitting $\phi 6/8$	The block manifold allows the number of stations to be increased and decreased as desired.	318
MNRB500B	Push-in fitting $\phi 4/6$		

Inline filter

■ Inline filter

Series	Port size	Features	Page
FSL100	Push-in fitting $\phi 4/6$	Compact, lightweight and space saving inline allowing use with both positive and negative pressure.	332
FSL200	Push-in fitting $\phi 4/6$		
FSL500	Push-in fitting $\phi 6/8/10$		

Separated

■ F.R.L. kit

Series	Port size	Features	Page
K60570	Rc1/8, 1/4	Set of filter/regulator/lubricator	336

■ F.R. unit

Series	Port size	Features	Page
B7019	Rc1/8, 1/4	Integrated air filter and regulator	338

■ Filter

Series	Port size	Features	Page
A1019 (air filter)	Rc1/8, 1/4	Filtration 5 μ m	340
1219 (micro alescer micro naught)	Rc1/8, 1/4	Filtration 5 μ m	342

■ Regulator

Series	Port size	Features	Page
B2019 (regulator)	Rc1/8, 1/4	Relief mechanism integrated	344
2419 (reverse regulator)	Rc1/8, 1/4	Check valve mechanism integrated	346

■ Relief valve

Series	Port size	Features	Page
B6061	Rc1/8, 1/4	If press increases, compress air released into atm to maintain set press	348

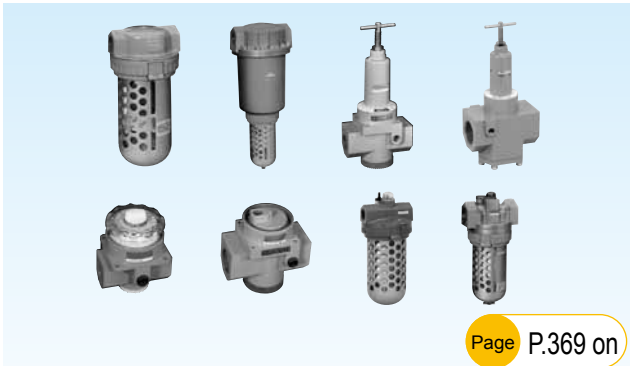
■ Lubricator

Series	Port size	Features	Page
A3019 (Econo-mist)	Rc1/8, 1/4	Supplying fine oil mist (oil fog)	350

Regulator for water

Series	Port size	Features	Page
WR1	Rc1/8, 1/4	Easy-to-use compact regulator for water	356
WR2	Rc3/8, 1/2		

- Contents/P.1
- Series variation/P.4



F.R.L. unit
Large bore size filter, regulator

Air filter

■ Filter			
Series	Port size	Features	Page
1138 (air filter)	Rc3/4,1	Filtration 5 μm	370
1126 (air filter)	Rc1 1/4,1 1/2,2		
1138/A1338 (submicron air filter)	Rc3/4,1	99% of solid substances up to 0.3μ such as tar and carbon are removed.	374
1126/1326 (submicron air filter)	Rc1 1/4,1 1/2,2		
1238 (micro alescer micro naught)	Rc3/4	Oil content to be 0.1 PPM w/w or less	376
1226 (micro alescer micro naught)	Rc1		
1226J (micro alescer micro naught)	Rc1 1/4,1 1/2,2		
1226 (micro alescer odor naught)	Rc1	Absorbs odor particles to deodorize compressed air	380
1226J (micro alescer odor naught)	Rc1 1/4,1 1/2,2		

■ Regulator

Series	Port size	Features	Page
2215	Rc1 3/4,1,1 1/4	Relief mechanism integrated	384
2216	Rc1 1/2,2		
2415 (reverse regulator)	Rc1 3/4,1,1 1/4	Check valve mechanism integrated	388

■ Dial air regulator

Series	Port size	Features	Page
2302-*C	Rc1/4,3/8,1/2,3/4	Dial provided to enable easy pressure adjustment	390
2303-*C	Rc3/4,1,1 1/4		
2304-*C	Rc1 1/2,2		

■ Remote dial air regulator

Series	Port size	Features	Page
2302-*C	Rc1/4,3/8,1/2,3/4	With pilot port to enable pressure setting/remote control	393
2303-*C	Rc3/4,1,1 1/4		
2304-*C	Rc1 1/2,2		

■ Lubricator

Series	Port size	Features	Page
3003E to 3005E (Econo-mist)	Rc3/4 to 2	Supplying fine oil mist (oil fog)	396
3003E (Auto-fill)	Rc3/4,1	Automatic lubrication to multiple lubricators is possible just by installing an oil tank	400

2 Searching by product series

Select from external appearance and product description of each series.

NEW indicates models added to the 9th edition.

F.R.L. unit >>> P.1

- Contents/P.1
- Series variation/P.4



Page P.413 on

F.R.L. unit

Precision regulator

Regulator

■ Compact direct acting precision regulator

Series	Port size	Features	Page
RJB500	Push-in fitting $\phi 4/6$	Compact with 25 mm interface dimension Min. set pressure 0.01 MPa.	416

Block manifold regulator

■ Block manifold regulator

Series	Port size	Features	Page
MNRJB500A	Push-in fitting $\phi 6/8$	The block manifold allows the number of stations to be increased and decreased as desired.	418
MNRJB500B	Push-in fitting $\phi 4/6$		



Regulator

■ Precision regulator (module design)

NEW

Series	Port size	Features	Page
RPE1000	Rc1/4	Air consumption reduced by 70% Ideal for compact tension controller, etc.	438
RP1000	Rc1/4	Excellent perform, very low press ≥ 0.003 MPa	444
RP2000	Rc1/4,3/8	Large exhaust flow, ideal for balancer	448



Page P.455 on

Vacuum filter

■ Vacuum filter

Series	Port size	Features	Page
VFA1000	Rc1/8,1/4	Long service life, moisture removable	456
VFA3000	Rc1/4,3/8		
VFA4000	Rc3/8,1/2		



Page P.461 on

Vacuum regulator

■ Vacuum regulator

Series	Port size	Features	Page
VRA2000	1/4,3/8	Compact/large flow rate (200 l/min(ANR))	462

CC-796A

Vacuum system equipment SELVACS

SELVACS
Selex Vacuum System

Convey, transport and move various products and parts
Can be used for insertion, positioning, box packing, etc.



Vacuum ejector
Vacuum unit



Suction pad



Vacuum-related
products



NEW

New models and
variations added to
lineup!

Wide variation meeting different applications!

Extensive series models and variations handle a wide range of fields and applications.

Compact design

Each component has been compactly designed to save space.

Unitized/modularized

The vacuum ejector/vacuum unit at the core are unitized and modularized, and designed to save space and increase ease of use.

2 Searching by product series

Select from external appearance and product description of each series.

NEW indicates models added to the 9th edition.

F.R.L. unit >>> P.1

- Contents/P.1
- Series variation/P.4



Page P.467 on

- Contents/P.23
- Series variation/P.506



Page P.503 on

F.R.L. unit

Clean filter/regulator

Filter

■ Inline clean filter

Series	Port size	Features	Page
FCS500	φ4, φ6, φ8 R1/8, R1/4	High filtration rating precision 0.01 μm and removal ratio 99.99%	470
FCS1000	φ8, φ10, φ12 R1/4, R3/8, Rc1/4, Rc3/8		474

■ Clean exhaust filter

Series	Port size	Features	Page
FAC10	φ4, φ6, φ8, φ10	High filtration degree of 0.01 μm, removal efficiency of 99.99%	480
FAC100	R1/8, R1/4		
FAC200	R3/8, R1/2	Provides direct exhaust within a clean room	
FAC3000	Rc3/8, Rc1/2		



Regulator

■ Clean regulator

Series	Port size	Features	Page
RC2000	Rc1/4, Rc3/8, Rc1/2	Oil-prohibited specifications/ stainless steel body	492

■ Regulator

Series	Port size	Features	Page
2619	Rc1/8, Rc1/4	Oil-prohibited specifications	496

F.R.L. unit

Electro pneumatic regulator

■ Digital electro pneumatic regulator

Series	Max. flow rate	Features	Page
EVD-1100	60 ℓ/min(ANR)	Compact/high- performance digital control	512
EVD-1500	400 ℓ/min(ANR)		
EVD-1900	700 ℓ/min(ANR)		
EVD-3500	1500 ℓ/min(ANR)		516
EVD-3900			

■ Electro pneumatic regulator

Series	Max. flow rate	Features	Page
EVR-2500	800 ℓ/min(ANR)	Medium flow rate	538
EVR-2509	800 ℓ/min(ANR)		
EVS2100	2 ℓ/min(ANR)	Compact	548
EVS2500	6 ℓ/min(ANR)		
EV2100V	150 ℓ/min(ANR)	Vacuum	551
EV2109V	120 ℓ/min(ANR)		

■ Low pressure electro pneumatic regulator

Series	Max. flow rate	Features	Page
EVL	100 ℓ/min(ANR)	Compact for low pressure	556

■ Thin electro pneumatic regulator

Series	Max. flow rate	Features	Page
MEVT	2 to 6 ℓ/min(ANR)	Thin	564



Page P.601 on

Air booster

Series	Applicable	Page
ABP	Air booster	604

Pneumatic auxiliary components ▶▶▶ P.613



Speed controller

■ With dial

NEW

Series	Piping bore size	Features	Page
DSC	M5,R1/8,1/4,3/8,1/2	Enables easy control of cylinder speed values	620

■ Needle valve with adjusting dial

Series	Piping bore size	Features	Page
DVL	R1/8,1/4,3/8	Linear flow characteristics of rotating needle valve adopted	628

■ Elbow, push-in fitting

Series	Piping bore size	Features	Page
SC3W	M3,M5,R1/8,1/4,3/8,1/2	Push-in fitting $\phi 3.2$ to $\phi 12$	636

■ Universal/push-in fitting

Series	Piping bore size	Features	Page
SC3U	M3,M5,R1/8,1/4,3/8,1/2	Push-in fitting $\phi 3.2$ to $\phi 12$	640

■ Line type/with push-in fitting

Series	Piping bore size	Features	Page
SCL2	$\phi 1.8, \phi 4, \phi 6, \phi 8, \phi 10, \phi 12$	Applicable to the remote centralized control of actuators	646

■ In/out line type/with push-in fitting

Series	Piping bore size	Features	Page
SCD2	$\phi 1.8, \phi 4, \phi 6, \phi 8, \phi 10, \phi 12$	Enables flow control for both air supply and exhaust	646

■ Needle valve/line type with push-in fitting

Series	Piping bore size	Features	Page
SCL2-N	$\phi 4, \phi 6, \phi 8$	Flow rate adjustm needle Val - non-scatter grease. Clean-room/oil-prohibited specs.	650

■ Stainless steel anti-corrosion

Series	Piping bore size	Features	Page
SC3P	M5,R1/8,R1/4,R3/8,R1/2	Speed control valve with anti-corrosive stainless steel body	656

■ Direct piping/elbow

Series	Piping bore size	Features	Page
SC3R	M5,Rc1/8,1/4,3/8,1/2	Direct piping, L-shape rotation M5 to Rc1/2	660

■ Miniature

Series	Piping bore size	Features	Page
SC	M3,M5	Compact, lightweight, and space saving	662

■ Miniature fine speed

Series	Piping bore size	Features	Page
SC-M5-*F	M5	Speed adjustm of fine speed Cyl/air valve	662

■ Miniature in/out

Series	Piping bore size	Features	Page
SCD	M3,M5	Enables flow control for both air intake / exhaust	664

■ Medium bore size

Series	Piping bore size	Features	Page
SC1	Rc1/8,1/4,3/8,1/2	Applicable to general medium bore sizes	668

■ Large bore size

Series	Piping bore size	Features	Page
SC	Rc3/4,1,1 1/4,1 1/2,2	Applicable to general large bore sizes	670

2 Searching by product series

Select from external appearance and product description of each series.

NEW indicates models added to the 9th edition.

Pneumatic auxiliary components >>> P.613



Page P.675 on



Page P.697 on

Silencer

■ Metering valve with silencer

Series	Piping bore size	Features	Page
SMW2	R1/8, 1/4	With speed controller and silencer function	678
FMS	M5		680
SMW	R3/8, 1/2		

■ Small bore size

Series	Piping bore size	Features	Page
SL	M5	Compact with M5 screw	682

■ Resin body

Series	Piping bore size	Features	Page
SLW	R1/8, 1/4, 3/8, 1/2	Noise reduction effect of 30 dB [A] or more	682
SLW-*A-H	R1/4, 3/8, 1/2	High noise reduction small bore size	684

■ Large flow rate/small bore size/resin body

Series	Piping bore size	Features	Page
SLW-*L	R1/4, 3/8	Noise reduction effect of 30 dB [A] or more	685

■ High noise reduction/compact

Series	Piping bore size	Features	Page
SLW-*S	R1/8, 1/4	Noise reduction effect	686
	R3/4	25 to 30 dB [A] or more	687

■ Push-in

Series	Piping bore size	Features	Page
SLW-H	R1/4, 3/8, 1/2	Noise reduction effect of 40 dB [A] or more	688

■ Miniature

Series	Piping bore size	Features	Page
SLM	M3, M5	Noise reduction effect of 20 dB [A] or more	689

■ Aluminum body

Series	Piping bore size	Features	Page
SL	R1/4 to 2	Noise reduction effect of 20 dB [A] or more	690

■ Exhaust cleaner

Series	Port size	Features	Page
FA*31	Rc3/8 to 2	Exhaust noise and oil mist are 99.9% removed	694

Auxiliary valve

■ Quick manual valve

Series	Piping bore size	Features	Page
QEL	φ4, φ6	Compact/space saving inline	700
QEV2	Rc1/8 to 1	Speeds up cylinder exhaust	702

■ Shuttle valve

Series	Piping bore size	Features	Page
SHV2	Rc1/8 to 1	Multiple air pressure signals are selected to configure the circuit.	706

■ Compact check valve with push-in fitting

Series	Piping bore size	Features	Page
CHL	M5, φ4, φ6	Compact/space saving inline	710

■ Check valve

Series	Piping bore size	Features	Page
CHV2	Rc1/8 to 1 1/2	Completely prevents reverse flow of compressed air	712

■ Block valve

Series	Piping bore size	Features	Page
FPV	M5, R1/8, 1/4, 3/8, 1/2	The cylinder can be stopped at any position and mounted as desired	714

■ Threshold sensor

Series	Piping bore size	Features	Page
PWS	M5, R(Rc)1/8, 1/4, 3/8, 1/2	Detects exhaust pressure near the stroke end accurately	718



Page P.725 on

Fittings/tubes

■ Miniature fitting

Series	Port size	Features	Page
F	M3 to R(Rc)1/8	For bore sizes $\phi 3.2, 4, 6$	728

■ Fitting

Series	Port size	Features	Page
GW	M3 to R(Rc)1/2	For $\phi 3.2$ to 16 push-in fitting	736

■ Fitting/small size

Series	Port size	Features	Page
GWJ	M3 to R(Rc)1/8	For $\phi 3.2$ to 6 compact push-in fitting	750

■ Fitting stainless steel

Series	Port size	Features	Page
ZW	M5 to R1/2	Push-in fitting for flame-resistant resin and stainless steel	756

■ Fitting stainless steel

Series	Port size	Features	Page
ZSP	M5 to R1/2	Uses push-in fittings SUS303 or equivalent with stainless steel for the metal body	760

■ Tightening fitting stainless steel

Series	Port size	Features	Page
ZJ	R1/8 to R1/2	Stainless steel tightening fitting	769

■ Tightening fitting

Series	Port size	Features	Page
MJ	R(Rc)1/8 to 1/2	Tightening fitting	775
JL	Rc1/8, 1/4, 3/8, 1/2	Fitting	

■ Rotary fitting

Series	Port size	Features	Page
RJF	M5, Rc1/8	High rigidity/low sliding resistance achieved with built-in bearing Number of circuits 4, 6, 8, 12, 16	782

■ Fiber tube

● Antistatic (for push-in fitting)

Series	Bore size	Features	Page
UP-9402-20-F1	$\phi 1.8 \times \phi 1.2$	Extra-fine air tube with increased flow rate	796
PG	M3, M5, 1/8	Special push-in fitting	798

● Clean-room (for push-in fitting)

Series	Bore size	Features	Page
EH-5802-20	$\phi 1.8 \times \phi 1.2$	Clean-room specifications with highly corrosion-resistant material	796
CG	M3, M5, 1/8	Special push-in fitting for clean-room	802

● Flame-resistant (for push-in fitting)

Series	Bore size	Features	Page
UP-9102-20-*SR	$\phi 1.8 \times \phi 1.0$	Flame-resistant resin used	810
RG	M5, 1/8	Flame-resistant dedicated push-in fitting	811

● Antistatic

Series	Bore size	Features	Page
UP-9102-20-F1	$\phi 1.8 \times \phi 1.0$	Fitting dedicated for extra-fine air tube	789
PTN2	M3, M5, 1/8, $\phi 3.2, \phi 4, \phi 6$	Dedicated fitting	



Page P.814 on

Fittings/tubes

■ Antistatic tube

Series	Bore size	Features	Page
UP-9***-F1/F2	3.2, 4, 6, 8, 10, 12	Antistatic and dust-proof tube	815

■ Tube (F.U.KX.SR)

Series	Bore size	Features	Page
F,U,NU,KX,SR	$\phi 3.2$ to $\phi 15$	Soft nylon, urethane tube	818

2 Searching by product series

Select from external appearance and product description of each series.

NEW indicates models added to the 9th edition.

Air unit components >>> P.827



Page P.829 on

Clean air unit

Series	Piping bore size	Features	Page
CAU30	φ10,φ12	Whole clean blow system in one unit	832



Page P.843 on

Air unit

■ Custom air unit

Series	Features	Page
CXU10-UN-	Piping is not necessary. Layout is not limited. Reduces design processes.	852
CXU13-UN-		858
CXU30-UN-		854

■ Custom order air unit

Series	Features	Page
CXUZ-FL	Any air unit combination is possible as desired.	900

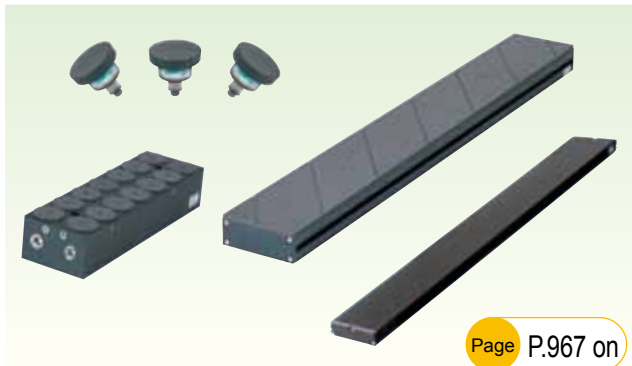
■ Valve air unit

Series	Features	Page
CXU10-GEXA	A solenoid valve and regulator, etc., are connected and integrated into a unit.	902
CXU30-M4G2		Piping work is reduced.

■ Air unit components

Series	Main applications	Page
NEW CXU30-VE	For air blow	914
CXU10-EXA		920
CXU10-FAB3		922
CXU30-FAB4U	Main ON/OFF	924
CXU30-ADK		926
CXU30-FAD	For driving cylinder	928
CXU30-4G2		930
CXU10-CHV	Reverse flow prevention	936
CXU10-D4	4-way branch	938
CXU30-D4		
CXU10-TA	Turning the module 90°	940
CXU30-TA		
CXU10-MA	Masking the module	941
CXU13-CA	Combination of 1000 Series and 3000 Series	942
NEW CXU48-CA	Connecting 2000/3000/4000 Series and 6000/8000 Series	

Precision components ▶▶▶ P.965

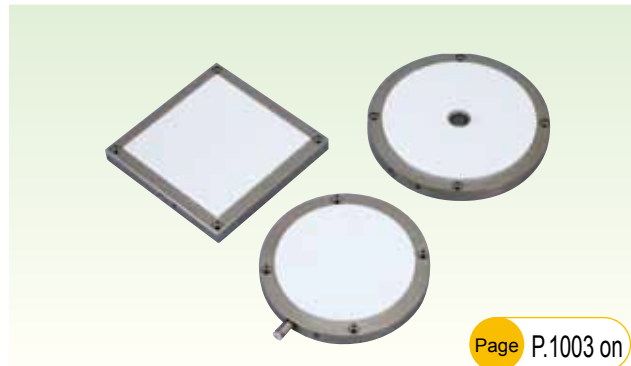


Page P.967 on

Glass float module GFM

Series	Features	Page
GFM-A (floating alignment pad)	Floating system for contactless, clean and damage-prevention transportation.	970
GFM-T (high floating rail)		976
GFM-R (floating rail)		980
GFM-P (precision floating stage)		988

NEW



Page P.1003 on

Precise suction plate

Series	Features	Page
PVP-R (donut shaped)	Precise suction plate with 40% porosity made from sintered fluorine resin porous body	1006
PVP-C (round)		
PVP-S (square)		



Page P.1017 on

Magnetic spring buffer

■ Fine buffer

Series	Features	Page
FBU2-7D (spigot)	Magnetic springs with original cushioning mechanism used to achieve stable pressing force, low dust generation and long service life	1020
FBU2-8M (full thread)		
FBU2-12D (spigot)		
FBU2-12M (full thread)		
FBU2-SU (general purpose)		

Pressure sensors >>> P.1037

Pressure sensor for air/coolant



Page P.1039 on

Pressure sensor for air/coolant

Mechanical pressure switch

■ Pressure switch

Series	Port size	Features	Page
APE	Rc1/4	Setting accuracy within 0.02 MPa Setting range from 0.1 to 0.8 MPa	1040
CPE	Rc1/4	Enables a wide pressure setting range of 0.05 to 0.8 MPa for coolant liquid through air	1212

■ Reed switch compact pressure switch

Series	Port size	Features	Page
APS-W	Rc1/8 flange	Space-saving and features a wide pressure setting range	1044

Pressure sensor for air/coolant



NEW

Page P.1049 on

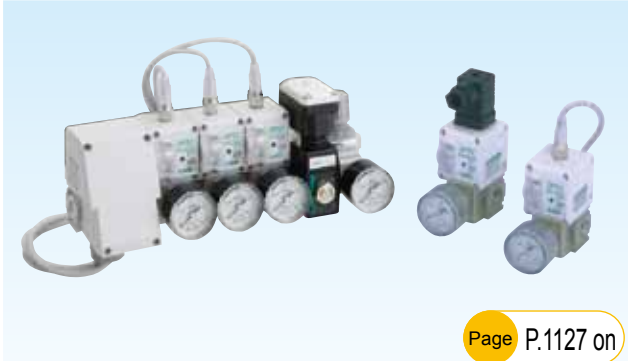
Pressure sensor for air/coolant

Electronic pressure switch

■ Pressure switch

Series	Pressure range	Features	Page
PPX	-100 kPa to 1000 kPa	Standard and high-function are available. Twin display of "current pressure" and "set pressure". 3-digit digital display	1054
PPD3	-100 kPa to 980 kPa	Sensor-amplifier integrated with display 30°	1080
PPD3-S	-100 kPa to 980 kPa	Stainless steel diaphragm sensor	1080
NEW PPG-C	-100 kPa to 100.0 kPa	Size □ 31 mm digital pressure sensor	1096
PPE	-100 kPa to 980 kPa	Sensor-amplifier integrated without display. Easy-to-install miniature body	1104
PSW	-100 kPa to 980 kPa	Sensor/amplifier integrated without display	1110
CPD	0 to 7 MPa	With sensor amplifier integrated display for coolants and other liquids	1214

Pneumatic pressure sensor



Page P.1127 on

Pneumatic pressure sensor

Contact/close contact/cutting tool breakage detect-SW

■ Contact confirmation switch (gap switch)

Series	Orifice size	Features	Page
GPS2	φ0.5,0.7	Single unit	1133
MGPS2	φ0.5,0.7	Manifold (2 to 5 stations)	1138
UGPS2	φ0.5,0.7	Solenoid valve with needle, regulator integrated general purpose unit	1142

■ Close contact confirmation switch

Series	Orifice size	Features	Page
HPS	φ0.5,0.7,1.0	Single unit	1148
MHPS	φ0.5,0.7,1.0	Manifold (2 to 5 stations)	1152
UHPS	φ0.5,0.7,1.0	Solenoid valve with needle, regulator integrated general purpose unit	1156

■ Cutting tool breakage detection switch

Series	Orifice size	Features	Page
TLPS	φ0.3	Single unit	1162
MTLPS	φ0.3	Manifold (2 to 5 stations)	1166
UTLPS	φ0.3	Solenoid valve with needle, regulator integrated general purpose unit	1170

Pneumatic pressure sensor



Page P.1189 on

Pneumatic pressure sensor

Air sensor (PEL system)

■ Switching element

Series	Fixed orifice size	Features	Page
APA1	None to 1.4 mm	Stable detection with ultra-fine pressure	1190

■ Switching element/manifold

Series	Number of elements	Features	Page
APA3	2,3,4,5	Compact system thanks to manifold	1190

■ Detection nozzle

Series	Nozzle port size	Features	Page
APA4-BA	0.3 to 2.0 mm	For gauge	1193
APA4-DA	1,2 mm	Back pressure	
APA4-VS	1 mm	Reflection	
APA4-GA	1,2,3,2 mm	Detecting	

■ PL switch

Series	Features	Page
PL	PEL switching element and electric wire connection terminal, pneumatic pipe connection terminal or power circuit are stored in a box.	1196

■ SEPEL switch

Series	Differential pressure	Features	Page
DPS	5 kPa	Fine differential pressure switch that combines a pneumatic bridge and electrical comparator circuits	1202

■ Related products (filter)

Series	Features	Page
K-005	Related products when air sensor is used	1204

■ Related products (piping fixture)

Series	Features	Page
APA6	Related products when air sensor is used	1205

2 Searching by product series

Select from external appearance and product description of each series.

NEW indicates models added to the 9th edition.

Sensor/controller components ▶▶▶ P.1225

Flow rate sensor for air



Page P.1227 on

Flow rate sensor for air

Small size flow rate sensor RAPIFLOW FSM2, FSM

■ Miniature/high-speed response, display integrated/display separated FSM2

Series	Flow range uni-direction/bi-direction	Features	Page
FSM2-□005	0 to 500/-500 to 500 m l/min	Miniature body.	1233
FSM2-□010	0 to 1000/-1000 to 1000 m l/min	High-speed response.	
FSM2-□020	0 to 2.00/-2.00 to 2.00 l/min	Integrated needle valve.	
FSM2-□050	0 to 5.00/-5.00 to 5.00 l/min	Display separated is available.	
FSM2-□100	0 to 10.00/-10.00 to 10.00 l/min	Display separated is available.	
FSM2-□200	0 to 20.0/-20.0 to 20.0 l/min	Twin display/	
FSM2-□500	0 to 50.0/-50.0 to 50.0 l/min	2-color display function.	
FSM2-□101	0 to 100.0/-100.0 to 100.0 l/min	Panel mounting is supported.	
FSM2-□201	0 to 200/-200 to 200 l/min	Panel mounting is supported.	
FSM2-□501	0 to 500/-500 to 500 l/min	Unrestricted mounting orientation.	
FSM2-□102	0 to 1000/-1000 to 1000 l/min	Unrestricted mounting orientation.	

Flow rate controller for air



Page P.1329 on

Flow rate controller for air

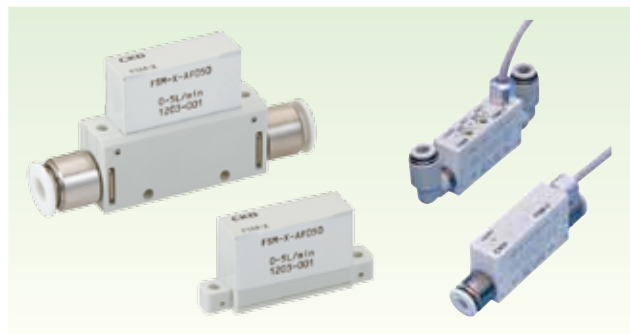
Compact flow rate controller RAPIFLOW FCM

■ Standard model

Series	Flow rate range	Features	Page
FCM-9500	0 to 0.5 l/min	Compact, high-speed and multifunctional flow rate controller.	1334
FCM-0001	0 to 1 l/min		
FCM-0002	0 to 2 l/min		
FCM-0005	0 to 5 l/min	Applicable fluids are air, nitrogen, argon, oxygen, city gas, methane, propane, hydrogen and helium.	
FCM-0010	0 to 10 l/min		
FCM-0020	0 to 20 l/min		
FCM-0050	0 to 50 l/min		
FCM-0100	0 to 100 l/min		

■ Low differential pressure model

Series	Flow rate range	Features	Page
FCM-L9500	0 to 0.5 l/min	Suitable for controlling burner flame or other combustion gases with low supply pressure.	1334
FCM-L0001	0 to 1 l/min		
FCM-L0002	0 to 2 l/min		
FCM-L0005	0 to 5 l/min		
FCM-L0010	0 to 10 l/min		



■ Miniature/ultra-high-speed response Analog output FSM-X

Series	Flow range uni-direction/bi-direction	Features	Page
FSM-X-A□005	0 to 0.5/-0.5 to 0.5 l/min	Compact body enabled by separating the sensor head.	1292
FSM-X-A□010	0 to 1/-1 to 1 l/min		
FSM-X-A□050	0 to 5/-5 to 5 l/min		
FSM-X-A□100	0 to 10/-10 to 10 l/min		

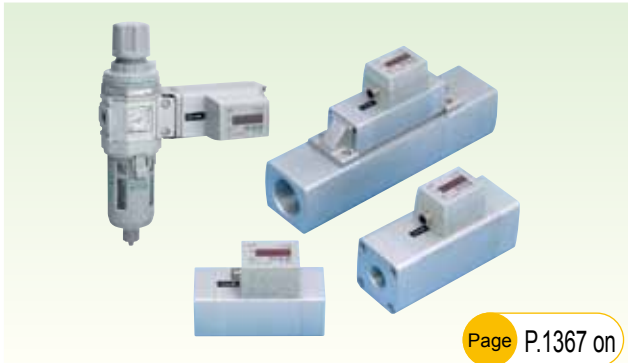
■ Miniature analog output/switch output FSM-V

Series	Flow rate range	Features	Page
FSM-V-□-R0005	-0.05 to +0.05 l/min	Easy measurement of forward and reverse flow.	1298
FSM-V-□-R0010	-0.1 to 0.1 l/min		
FSM-V-□-R0050	-0.5 to 0.5 l/min	Ideal for detection control of vacuum suction and vacuum burst.	
FSM-V-□-R0100	-1 to 1 l/min		
FSM-V-□-R0500	-5 to 5 l/min		
FSM-V-□-R1000	-10 to 10 l/min		

■ Miniature inline filter FSM-VFM

Series	Flow rate range	Features	Page
FSM-VFM	φ1.8, φ4, M5	Inline filter dedicated for miniature and space saving FSM Series	1320

Flow rate sensor for air



Page P.1367 on

Flow rate sensor for air

Flow sensor for compressed air (FLUEREX)

■ Display integrated PF-F

Series	Flow rate range	Features	Page
PF500F	25 to 500 ℓ /min(normal)	Integrated display can be rotated according to the mounting orientation. Robust design to minimize effect of water entry.	1372
PF1000F	50 to 1000 ℓ /min(normal)		
PF2000F	100 to 2000 ℓ /min(normal)		
PF4000F	200 to 4000 ℓ /min(normal)		
PF8000F	400 to 8000 ℓ /min(normal)	1376	
PF16000F	800 to 16000 ℓ /min(normal)		

■ Display integrated Module connection PFU-F

Series	Flow rate range	Features	Page
PFU500F	25 to 500 ℓ /min(normal)	Filter and regulator modules are connected and integrated into a unit.	1380
PFU1000F	50 to 1000 ℓ /min(normal)		
PFU2000F	100 to 2000 ℓ /min(normal)		

Flow rate sensor for air



Page P.1393 on

Flow rate sensor for air

Flow sensor for compressed air (FLUEREX)

■ Display separated PFD

Series	Flow rate range	Features	Page
PFD-501	25 to 500 ℓ /min(normal)	Flow rate detection of compressed air with total accuracy ±4% F.S.	1398
PFD-102	50 to 1000 ℓ /min(normal)		
PFD-202	100 to 2000 ℓ /min(normal)		
PFD-402	200 to 4000 ℓ /min(normal)		
PFD-802	400 to 8000 ℓ /min(normal)		
PFD-163	800 to 16000 ℓ /min(normal)		

■ Display separated tester kit PFK

Series	Flow rate range	Features	Page
PFK-501	25 to 500 ℓ /min(normal)	Equipment for measuring the air flow rate is provided in kit, and this enables immediate measurement on site.	1404
PFK-102	50 to 1000 ℓ /min(normal)		
PFK-202	100 to 2000 ℓ /min(normal)		
PFK-402	200 to 4000 ℓ /min(normal)		
PFK-802	400 to 8000 ℓ /min(normal)		

Flow rate sensor for water



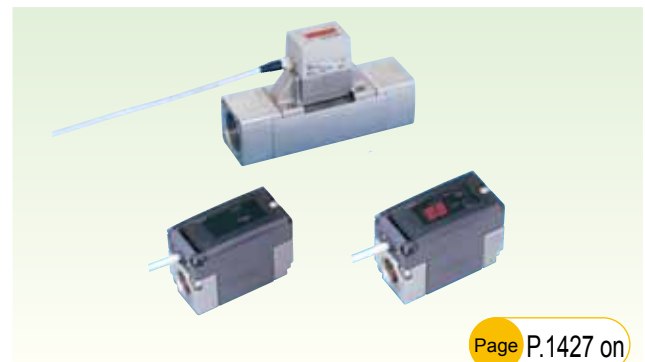
NEW

Page P.1417 on

Capacitance electromagnetic flow sensor

■ Capacitance

Series	Port size (Rc, G, NPT)	Features	Page
WFC-150	3/8	Water flow sensor optimized for FA applications	1420
WFC-600	1/2,3/4		



Page P.1427 on

Flow rate sensor for water

■ Karman's vortex

Series	Flow rate measured range	Features	Page
WFK3000	0.5 to 40, 1.5 to 12 ℓ /min	Compact/device built-in	1436
WFK5000	1.0 to 8.0, 3.0 to 27 ℓ /min	Standard	1440
WFK6000	1.0 to 8.0, 3.0 to 27 ℓ /min	(Modular connection)	1444
WFK7000	10 to 50,20 to 100, 40 to 200 ℓ /min	Large flow rate	1448

2 Searching by product series

Select from external appearance and product description of each series.

NEW indicates models added to the 9th edition.

Total air systems >>> P.1457

Total air control systems (Total Air system)



Page P.1459 on

Total air control systems (Total Air system)

Detector

■ Compact mechanical valve

Series	Port size	Features	Page
MS	φ4,Rc1/8	Compact, large flow	1464

■ Medium mechanical valve

Series	Port size	Features	Page
MM	φ4,Rc1/8	Without intermediate bleeding	1478

■ Large mechanical valve

Series	Port size	Features	Page
MAVL	Rc1/4	Pressurized from 3 directions, and used as NO, NC, or distributor	1490

Total air control systems (Total Air system)

Circuit device

Page P.1495 on

■ Air timer

Series	Working pressure range	Features	Page
RTD-3A	0.25 to 0.8 MPa	Delay time max. 30 sec.	1496

■ Pressure switch

Series	Working pressure range	Features	Page
PE-1	0.2 to 0.7 MPa	φ4 nylon tube used for piping	1497

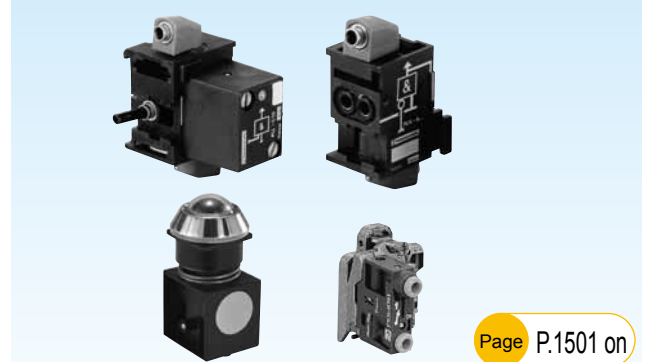
■ Air lamp

Series	Working pressure range	Features	Page
AL-*	0.05 to 0.8 MPa	φ4 nylon tube used for piping	1497

■ Compact air lamp

Series	Working pressure range	Features	Page
SAL-*	0.25 to 0.8 MPa	Insert into φ4 push-in fitting	1498

Total air control systems (Gamma system)



Page P.1501 on

Total air control systems (Gamma system)

PLC components

Series	Type	Page
PS*	Sequencer	1504
PR*,PL*	Relay	1505
PZU	Relay sub-base	1506
PL*	Integrated (logic element)	1508
PL*,PZM	Line type (logic element)	1509

Total air control systems (Gamma system)

Signal control components

Page P.1510 on

Series	Type	Page
PXV	Air lamp	1510
PR*,PX*	Element and sensor	1511
PXB-B	Push button switch and switch body (separated)	1512
ZB4	Switch head	1513
PXC	Miniature limit switch	1514
PXC	Compact limit switch	1515
PXC	Limit switch	1518
ZCK	Rotary head lever actuator	1519

Main line unit ▶▶▶ P.1525

- Contents/P.1525
- Series variation/P.1530

- Contents/P.1525
- Series variation/P.1598



Page P.1539 on

Main line unit

Refrigeration air dryer

Xeroaqua dryer

■ Xeroaqua dryer GX Series ● Index/P.1549

Series	Applicable air compressor	Features	Page
GX3200	2.2 kW to 55 kW	For assembling device, standard inlet air (35°C)	1554
GX5200	2.2 kW to 55 kW	For direct compressor connection, high temperature inlet air (55°C)	1558

■ Xeroaqua dryer GT9000 Series ● Index/P.1607

Series	Applicable air compressor	Features	Page
GT9000	90 kW to 450 kW	Standard inlet air (40°C), air-cooling	1574
GT9000W	90 kW to 450 kW	Standard inlet air (40°C), water-cooling	1580
GT9000WV	710 kW/960 kW	Standard inlet air (40°C), inverter-controlled water cooling	1586



Page P.1595 on

Main line unit

Desiccant air dryer

Heatless dryer

■ Compact heatless dryer

Series	Processing air flow rate	Features	Page
HD-**	75 to 1235 ℓ /min(ANR)	Stable supply of ultra dry air with atmospheric dew point -72°C.	1602

■ Super heatless dryer

Series	Processing air flow rate	Features	Page
SHD	2.5 to 24 m ³ /min	Purge flow rate is minimized with the energy-saving dew point monitor.	1608

Manual air dryer

■ Manual air dryer

Series	Processing air flow rate	Features	Page
4001	280 ℓ /min (ANR) or less	Disposable desiccant, supporting low pressure	1614
4002			

2 Searching by product series

Select from external appearance and product description of each series.

NEW indicates models added to the 9th edition.

Main line unit >>> P.1525

- Contents/P.1525
- Series variation/P.1620



Page P.1619 on

Main line unit

High polymer membrane air dryer

Super dryer (High polymer membrane air dryer)

Series	Processing air flow rate	Features	Page
Super dryer (High polymer membrane air dryer)			
SD300E-W	75 to 450 ℓ/min(ANR)	A high capacity dryer that can be used like a filter, producing ultra-dry air easily and stably. Filter/regulator unit is available.	1624
SD400E-W			
SD300D-W	125 to 750 ℓ/min(ANR)		1628
SD400D-W			
SD3000	35 to 890 ℓ/min(ANR)	1635	
SD4000			
Super dryer combination			
SU300E-W	75 to 450 ℓ/min(ANR)	A high capacity dryer that can be used like a filter, producing ultra-dry air easily and stably. Filter/regulator unit is available.	1624
SU400E-W			
SU300D-W	125 to 750 ℓ/min(ANR)		1628
SU400D-W			
SU3000-W	35 to 890 ℓ/min(ANR)	1632	
SU4000-W			
SDM4000	1.36 to 12.4 m ³ /min(ANR)	Large flow rate achieved with polymer separation membrane	1638

- Contents/P.1525
- Series variation/P.1646



Page P.1645 on

Main line unit

Main line filter

Medium main line filter

Series	Processing air flow rate	Features	Page
Regular			
AF2000P	3.7 to 25.8 m ³ /min(ANR)	Oil removing filter	1655
AF2000M		High-performance oil removing filter	
AF2000X		Deodorization (activated carbon) filter	
For oil-free			
AF4000P	3.7 to 18.8 m ³ /min(ANR)	Pre-filter	1665
AF4000S		Solid removing filter	
AF4000M		Oil mist removing filter	
AF4000X		Deodorizing filter	

Large main line filter

Series	Processing air flow rate	Features	Page
Regular			
AF3000P	16 to 256 m ³ /min(ANR)	Pre-filter	1680
AF3000S		Oil removing filter	1682
AF3000M		High-performance oil removing filter	1684
AF3000X		Deodorization (activated carbon) filter	1686
For oil-free			
AF5000P	16 to 256 m ³ /min(ANR)	Pre-filter, stainless steel vessel used	1694
AF5000S		Oil removal filter, stainless steel vessel used	1698
AF5000M		High-performance oil removal filter, stainless steel vessel used	1702
AF5000X		Deodorization (activated carbon) filter, stainless steel vessel used	1706

- Contents/P.1525
- Series variation/P.1714



Page P.1713 on

Main line unit

Drain discharger

Automatic drain

Series	Compatible compressor	Features	Page
DT3000-W	0.75 to 15 kW	Lightweight and compact automatic drain discharger	1716
DT4000-W	0.75 to 75 kW		
DT3010-W	15 kW or less		
DT4010-W	75 kW or less		

Heavy duty drain

Series	Port size	Features	Page
5100	Rc1/2	Ideal for circuits generating a lot of moisture	1732

Automatic drain

Series	Port size	Features	Page
DB1000	G1/2"	Highly reliable liquid level sensor with compressor discharge flow rate of 1.5 to 1000 m ³ /min (ANR) is used	1726
DB3000			
DBS1006	G1/2"	High-reliability level sensor detects the entry of drainage into the pneumatic circuit.	1729

Drain separator

Series	Port size (Rc, G, NPT)	Features	Page
FX1004	1/4, 3/8	With no need for element, 99% water separation efficiency is achieved	1734
FX1011	1/4, 3/8, 1/2		
FX1037	3/4, 1		

Guide to model changes

The series listed in this catalog has undergone a model changeover with this new series. Consider this new series when making selections.

■ Electronic pressure switch **PPD, PPD-A**

Old series



■ Electronic pressure sensor with digital display **PPG-C**

New series



■ Electronic pressure switch/stainless steel diaphragm sensor **PPD-S**

Old series



■ Electronic pressure switch with digital display **PPD3-S**

New series



Recommended alternative products

Production and catalog listing of the series below have been discontinued. Select recommended alternative products instead.

Discontinued		Recommended alternative product	Page
Refrigeration air dryer GX5200	▶	Refrigeration air dryer GX5200D Series / GX5255 / GX5275	1558
Refrigeration air dryer GK3100	▶	Refrigeration air dryer GX3200D Series	1554
Refrigeration air dryer GX3200	▶	Refrigeration air dryer GX3200D Series	1554
Refrigeration air dryer GX5100	▶	Refrigeration air dryer GX5200D Series / GX5255 / GX5275	1558
Refrigeration air dryer GX5200	▶	Refrigeration air dryer GX5200D Series / GX5255 / GX5275	1558
Refrigeration air dryer GX5200	▶	Refrigeration air dryer GX5200D Series / GX5255 / GX5275	1558
Desiccant air dryer 4112 to 4132°C	▶	Desiccant air dryer SHD Series	1608
Automatic drain DB3002E	▶	Automatic drain DB3003-D	1726
Drain discharger B5102	▶	Drain discharger DT3000	1716
Large main line filter (3 µm or equivalent class) 1113-MD,1114-MD,1123-MD,1128-MD	▶	Large main line filter (3 µm or equivalent class) AF3000P Series	1680
Large main line filter (0.3 µm or equivalent class) 1113-MD,1151 to 1158-MD	▶	Large main line filter (0.3 µm or equivalent class) AF3000 Series	1682
Large main line filter (0.01 µm or equivalent class) 1251 to 1258MD	▶	Large main line filter (0.01 µm or equivalent class) AF3000M Series	1684
Large main line filter (odorless or equivalent class) 1251-MX to 1258-MX	▶	Large main line filter (odorless or equivalent class) AF3000X Series	1686

Recommended alternative products

Model No. change table

Discontinued		Recommended alternative product	Page
F.R.L separated (filter 5 μm, 0.3 μm class)		F.R.L. modular design (filter 5 μm, 0.3 μm class)	
1144	➔	F2000 F3000	96
1137		F4000 F6000	
F.R.L separated (oil mist filter 0.01 μm class)		F.R.L. modular design (oil mist filter 0.01 μm class)	
1244		M2000	101
1237		M3000 M4000	
F.R.L separated (regulator) standard		F.R.L. modular design (regulator) standard	
A2000		R2000	124
2001		R4000 R6000	
F.R.L separated (regulator) reverse		F.R.L. modular design (regulator) reverse	
2400		R2100	132
2401		R4100 R6100	
F.R.L separated (precision regulator)		F.R.L. modular design (precision regulator)	
2100		RPE1000	438
F.R.L separated (lubricator, econo-mist)		F.R.L. modular design (lubricator)	
3000E		L3000 L4000	140
3002E		L4000 L8000	
F.R.L separated (F.R.L. combination)		F.R.L. modular design (F.R.L. combination)	
K61440E		C2000	32
K61400E		C3000 C4000 C6500	
F.R.L separated (filter/regulator)		F.R.L. modular design (filter/regulator)	
A7070		W2000 W3000	80
7080		W4000 W8000	
7170-2C 7170-2C-J		F1000-8-W,RP1000-8,J100-W	96,444,267
7170-3C 7170-3C-J		F1000-8-W,RP1000-8,J100-W,A100-10-W	96,444,270
Drain discharger		Drain discharger	1716
B5102		DT3000	
Regulator for water		Regulator for water	356
B2519		WR	
F.R.L separated (lubricator, atomist)		We regret that no alternative product is available.	-
3500/3502/3503			
F.R.L separated (lubricator, auto-fill)			
3002E-V			
F.R.L separated (lubricator with check valve)			
3202			
Recycle lube			
1644/1637			
Posi-Lube			
3611			
Oil recovery pump			
6520			