

Quality innovation in products and more value

R&D company with continuous efforts
toward development of innovative technology.



We Move Forward Together

Air Preparation

Main line filter

KAMG251~551.....	194
Drain Separator	
KAF251~551.....	195
Line Filter, 1 μ m	
KAFM251~551.....	196
Mist Separator, 0.1 μ m	
KAFU251~551.....	197
Micro Mist Separator, 0.01 μ m	
KAMH251~551.....	198
Pre-Filter Micro Mist Separator, 0.01 μ m	
KAF251~551.....	199
Carbon Micro Mist Separator, 0.01 μ m	

FRL combination

KAU201~601.....	200
Filter + Regulator + Lubricator Combination	
KAU201A~601A.....	201
Filter Regulator + Lubricator Combination	
KAU101B~601B.....	202
Filter + Regulator Combination	

Standard FRL

KAF101~601.....	203
Air Filter	
KAR101~601.....	204
Air Regulator	
KAL201~601.....	205
Air Regulator	
KAW101~601.....	206
Filter Regulator	
KAFM/KAFU201~601.....	207
Mist Separator	
KRG201.....	208
Pressure Gauge Built-in Regulator	
KWG201.....	209
Pressure Gauge Built-in Filter Regulator	

Special purpose

KPR.....	210
Precision Regulator	
KAR-17K, 27K.....	211
High Pressure Regulator	
KGR201~401.....	212
Regulator for Special Environment	
KGW201~401.....	213
Filter Regulator for Special Environment	

Vacuum

KVF201~401.....	214
Vacuum Filter	
KVR201~301.....	215
Vacuum Regulator	

Compact

KAF231.....	216
Compact Air Filter	
KAR231.....	217
Compact Air Regulator	
KAW231.....	218
Compact Filter Regulator	
KWR231.....	219
Compact Water Regulator	
KSR231.....	220
STS Regulator for Medical and Chemicals	
KMR231.....	221
Polypropylene Regulator for Medical Industry	
KNR231.....	222
Nitrogen(N ₂) Regulator	
KRV231.....	223
Relief Valve	

Miniature

KLF25.....	224
In-line Filter	
KAR110.....	225
Miniature Regulator	
KAR105.....	226
Micro Regulator	

Auto drain valve

KAD402.....	227
Auto Drain Valve	

Water separator

KWS.....	228
Water Separator	

Dryer

KMD.....	229
Membrane Air Dryer	

Residual pressure exhaust

KVHS-A.....	230
Residual Pressure Exhaust Valve	
KVHS-B.....	231
Residual Pressure Exhaust Valve	
KVHS.....	232
Residual Pressure Exhaust Valve	

Pressure switch

KTD-041.....	233
Digital Pressure Switch for Regulator	
KSPE-A.....	234
Pressure Switch with Spacer for Piping	
KSPM-A.....	235
Modular Pressure Switch	
KSP.....	236
Pressure Switch, Direct Pipe Mount	

Accessories

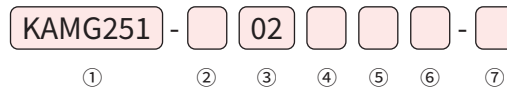
KPG.....	237
Pressure Gauge	
BT, BI, BC, BL.....	238
Bracket for FRL unit	
AD201~401.....	239
Auto Drain Kit	
TS201~401.....	240
Distributor Blocks	

KAMG251~551

Drain Separator



How to order



① Series

KAMG251	1/4", 3/8"
KAMG351	3/8", 1/2"
KAMG551	3/4", 1"

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size ● Standard ○ Optional

Code	Port size	KAMG		
		251	351	551
02	1/4"	○		
03	3/8"	●	○	
04	1/2"		●	
06	3/4"			●
10	1"			●

④ Bracket

-	None
B	L bracket

⑤ Drain

-	Manual drain (standard)
D	Float type auto drain

⑥ Option

-	None
S	Differential pressure indicator

⑦ Bowl

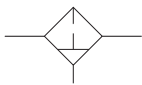
-	Polycarbonate bowl + nylon case
M	Metal bowl (long sight glass)
MS*	Metal bowl (round sight glass)

* Metal bowl with round sight glass type is not applicable for KAMG251.

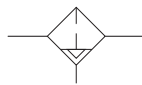
Features

- Filter for moisture removal, it **removes 99% of moisture** from the entrance of the compressed air equipment or the end of the air used in the workroom.
- It is effective in places where it does not have to be as dry as an air dryer or cannot be used air dryer.

Symbol



Manual drain



Auto drain

Specifications

Fluid	Compressed air		
Max. Operating pressure	1.0MPa		
Min. Operating pressure	0.15MPa		
Proof pressure	1.5MPa		
Ambient & fluid temperature	5 ~ 60°C		
Filtration grade	Remove 99% moisture		
Filter material	Glass fiber		
Bowl material	Polycarbonate (standard), metal		
Element life span	Pressure drop reach 0.1Mpa		
Weight(g)	KAMG251	KAMG351	KAMG551
	600	900	1,400

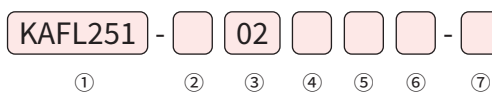


Detail catalog

KAFL251~551

Line Filter, 1 μ m

How to order



① Series

KAFL251	1/4", 3/8"
KAFL351	3/8", 1/2"
KAFL551	3/4", 1"

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size ● Standard ○ Optional

Code	Port size	KAFL		
		251	351	551
02	1/4"	○		
03	3/8"	●	○	
04	1/2"		●	
06	3/4"			●
10	1"			●

④ Bracket

-	None
B	L bracket

⑤ Drain

-	Manual drain (standard)
D	Float type auto drain

⑥ Option

-	None
S	Differential pressure indicator

⑦ Bowl

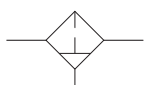
-	Polycarbonate bowl + nylon case
M	Metal bowl (long sight glass)
MS*	Metal bowl (round sight glass)

* Metal bowl with round sight glass type is not applicable for KAFL251.

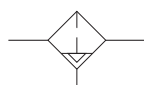
Features

- Filter Installed on main line and **removes impurities** such as oil, moisture, and other foreign materials from compressed air.
- Improves the performance** of downstream driers and extends **lifespan** of precision filters, preventing equipment troubles in advance.

Symbol



Manual drain



Auto drain

Specifications

Fluid	Compressed air		
Max. Operating pressure	1.0MPa		
Min. Operating pressure	0.15MPa		
Proof pressure	1.5MPa		
Ambient & fluid temperature	5 ~ 60°C		
Filtration grade	1 μ m (95% filtration efficiency)		
Filter material	Glass fiber		
Bowl material	Polycarbonate (standard), metal		
Element life span	Pressure drop reach 0.1Mpa		
Weight(g)	KAFL251	KAFL351	KAFL551
	600	900	1,400



Detail catalog

KAFM251~551

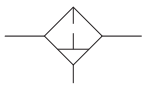
Mist Separator, 0.1μm



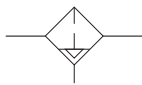
Features

- It effectively removes **oil mist**, which is difficult to filter with general air filters, and also eliminates fine particles such as **dust, carbon** and more with the size of **0.1 microns** or above from compressed air.
- Optimal filter for pilot and metal-seal type solenoid valves.

Symbol

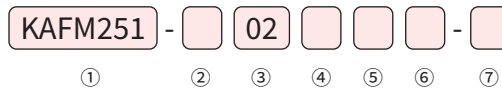


Manual drain



Auto drain

How to order



① Series

KAFM251	1/4", 3/8"
KAFM351	3/8", 1/2"
KAFM551	3/4", 1"

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

● Standard ○ Optional

Code	Port size	KAFM		
		251	351	551
02	1/4"	○		
03	3/8"	●	○	
04	1/2"		●	
06	3/4"			●
10	1"			●

④ Bracket

-	None
B	L bracket

⑤ Drain

-	Manual drain (standard)
D	Float type auto drain

⑥ Option

-	None
S	Differential pressure indicator

⑦ Bowl

-	Polycarbonate bowl + nylon case
M	Metal bowl (long sight glass)
MS*	Metal bowl (round sight glass)

* Metal bowl with round sight glass type is not applicable for KAFM251.

Specifications

Fluid	Compressed air		
Max. Operating pressure	1.0MPa		
Min. Operating pressure	0.15MPa		
Proof pressure	1.5MPa		
Ambient & fluid temperature	5 ~ 60°C		
Filtration grade	0.1μm (95% filtration efficiency)		
Filter material	Glass fiber		
Bowl material	Polycarbonate (standard), metal		
Element life span	Pressure drop reach 0.1Mpa		
Weight(g)	KAFM251	KAFM351	KAFM551
	600	900	1,400



Detail catalog

KAFU251~551

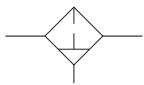
Micro Mist Separator, 0.01μm



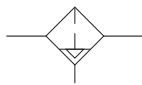
Features

- It effectively separates and removes oil particles and particles larger than **0.01 microns**, such as **carbon** and **dust**, from aerosols in compressed air.
- Perfect choice for precision measurement equipment and clean room system that require the **highest level of air purity**.

Symbol

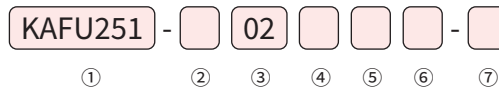


Manual drain



Auto drain

How to order



① Series

KAFU251	1/4", 3/8"
KAFU351	3/8", 1/2"
KAFU551	3/4", 1"

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size ● Standard ○ Optional

Code	Port size	KAFU		
		251	351	551
02	1/4"	○		
03	3/8"	●	○	
04	1/2"		●	
06	3/4"			●
10	1"			●

④ Bracket

-	None
B	L bracket

⑤ Drain

-	Manual drain (standard)
D	Float type auto drain

⑥ Option

-	None
S	Differential pressure indicator

⑦ Bowl

-	Polycarbonate bowl + nylon case
M	Metal bowl (long sight glass)
MS*	Metal bowl (round sight glass)

* Metal bowl with round sight glass type is not applicable for KAFU251.

Specifications

Fluid	Compressed air		
Max. Operating pressure	1.0MPa		
Min. Operating pressure	0.15MPa		
Proof pressure	1.5MPa		
Ambient & fluid temperature	5 ~ 60°C		
Filtration grade	0.01μm(95% filtration efficiency)		
Filter material	Glass fiber		
Bowl material	Polycarbonate(standard), metal		
Element life span	Pressure drop reach 0.1Mpa		
Weight(g)	KAFU251	KAFU351	KAFU551
	600	900	1,400



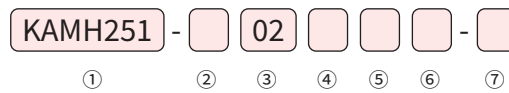
Detail catalog

KAMH251~551

Pre-Filter Micro Mist Separator, 0.01 μ m



How to order



① Series

KAMH251	1/4", 3/8"
KAMH351	3/8", 1/2"
KAMH551	3/4", 1"

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size ● Standard ○ Optional

Code	Port size	KAMH		
		251	351	551
02	1/4"	○		
03	3/8"	●	○	
04	1/2"		●	
06	3/4"			●
10	1"			●

④ Bracket

-	None
B	L bracket

⑤ Drain

-	Manual drain (standard)
D	Float type auto drain

⑥ Option

-	None
S	Differential pressure indicator

⑦ Bowl

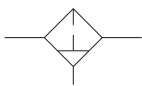
-	Polycarbonate bowl + nylon case
M	Metal bowl (long sight glass)
MS*	Metal bowl (round sight glass)

* Metal bowl with round sight glass type is not applicable for KAMH251.

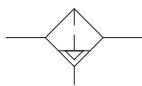
Features

- Combination of KAFM(0.1 μ m) and KAFU(0.01 μ m), allowing for reduction in installation space and piping costs.
- It effectively separates and removes oil particles and particles larger than 0.01 microns, such as carbon and dust, from aerosols in compressed air.
- Perfect choice for precision measurement equipment and clean room system that require the highest level of air purity.

Symbol



Manual drain



Auto drain

Specifications

Fluid	Compressed air		
Max. Operating pressure	1.0MPa		
Min. Operating pressure	0.15MPa		
Proof pressure	1.5MPa		
Ambient & fluid temperature	5 ~ 60°C		
Filtration grade	0.01 μ m (95% filtration efficiency)		
Filter material	Glass fiber		
Bowl material	Polycarbonate (standard), metal		
Air purity class at the output	MAX 0.1mg/m ³ (ANR) (when the saturation level of element oil is below 0.01mg/m ³ (ANR) {0.008ppm})		
Element life span	Pressure drop reach 0.1Mpa		
Weight(g)	KAMH251	KAMH351	KAMH551
	600	900	1,400



Detail catalog

KAFC251~551

Carbon Micro Mist Separator, 0.01 μ m

How to order

KAFC251 - 02 -

① ② ③ ④ ⑤ ⑥ ⑦

① Series

KAFC251	1/4", 3/8"
KAFC351	3/8", 1/2"
KAFC551	3/4", 1"

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size ● Standard ○ Optional

Code	Port size	KAFC		
		251	351	551
02	1/4"	○		
03	3/8"	●	○	
04	1/2"		●	
06	3/4"			●
10	1"			●

④ Bracket

-	None
B	L bracket

⑤ Drain

-	Manual drain (standard)
D	Float type auto drain

⑥ Option

-	None
S	Differential pressure indicator

⑦ Bowl

-	Polycarbonate bowl + nylon case
M	Metal bowl (long sight glass)
MS*	Metal bowl (round sight glass)

* Metal bowl with round sight glass type is not applicable for KAFC251.

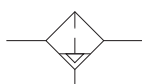
Features

- It effectively **eliminates odors** in compressed air by using active carbon fiber as a filter element.
- Particularly suitable for clean room systems and other applications where odorless and highly clean air is required.

Symbol



Manual drain



Auto drain

Specifications

Fluid	Compressed air		
Max. Operating pressure	1.0MPa		
Min. Operating pressure	0.15MPa		
Proof pressure	1.5MPa		
Ambient & fluid temperature	5 ~ 60°C		
Filtration grade	0.01 μ m(95% filtration efficiency)		
Filter material	Glass fiber		
Bowl type	Polycarbonate(standard), metal		
Element life span	Pressure drop reach 0.1Mpa		
Weight(g)	KAFC251	KAFC351	KAFC551
	600	900	1,400



Detail catalog

KAU201~601

Filter + Regulator + Lubricator Combination



KAU401-04G

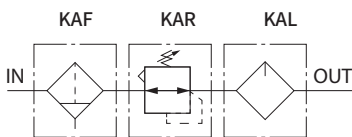


Digital pressure switch(KTD-041)

Features

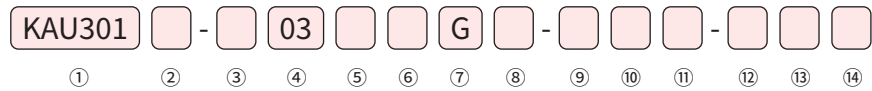
- Easy to **combine modularized devices** such as filter, regulator, lubricator and various accessories.

Symbol



Filter + Regulator + Lubricator

How to order



① Series

KAU201	1/4, 1/8
KAU301	3/8, 1/4
KAU401	1/2, 3/8
KAU601	3/4, 1

② Combination

-	KAF + KAR + KAL
A	KAW + KAL
B	KAF + KAR
C	KAF + KAFM + KAR
D	KAW + KAFM
E	KAFM + KAFU + KAR
F	KAW + KAFM + KAFU

③ Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

④ Port size

● Standard ○ Optional

Code	Port size	KAU			
		201	301	401	601
01	1/8"	○			
02	1/4"	●	○		
03	3/8"		●	○	
04	1/2"			●	
06	3/4"				●
10	1"				●

⑤ Filtration grade

-	5μm (standard)
2	20μm
4	40μm

⑥ Drain

-	Manual drain (standard)
D	Auto drain (NO)

⑦ Gauge

G	Integral gauge (1.0 MPa)
H	Without gauge, port block included
T	External gauge (1.0 / 0.4 / 0.2 MPa)
P	Digital gauge (1.0 MPa)

⑧ Bowl

-	Polycarbonate bowl
M	Metal bowl

⑨ Option

-	None
S*	Differential pressure indicator

* Differential pressure indicator only for mist separator(≤0.1 μm).

⑩ Regulating range

-	0.05~1.0MPa (standard)
2	0.02~0.2MPa
4	0.02~0.4MPa

⑪ Relief

-	Relief (standard)
N	Non-relief

⑫ Digital pressure switch & other option

-	None	
P	Pressure switch	
P35N	MPS35 positive pressure, port block attached	NPN
P35P		PNP
P41N	KTD-041 positive pressure, pin attached	NPN
P41P		PNP
V	3 Port manual residual pressure exhaust valve	
W	Upper side regulator handle	

⑬ Handle and bonnet type

-	Knob type (plastic bonnet)
---	----------------------------

• For T type Handle(metal bonnet), please contact us.

⑭ Air flow direction (installation direction)

-	Left(in) → Right(out)
R	Right(in) → Left(out)

Specifications

Fluid	Compressed air			
Max. Operating pressure	1.0MPa			
Proof pressure	1.5MPa			
Set pressure range	0.05 ~ 0.85MPa			
Ambient & fluid temperature	-5 ~ 60°C (no freezing)			
Filtration grade	Standard: 5μm, option: 20μm, 40μm			
Bowl material	Polycarbonate (standard), metal			
Structure	Relief (standard), non-relief			
External gauge port size	KAU201	KAU301	KAU401	KAU601
	Rc(PT) 1/8		Rc(PT) 1/4	
Weight(g)	555	1,170	1,875	5,350



Detail catalog

KAU201A~601A

Filter Regulator + Lubricator Combination



KAU301A-03G

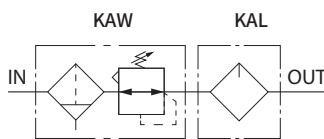


Digital pressure switch(KTD-041)

Features

- Easy to **combine modularized devices** such as filter, regulator, lubricator and various accessories.

Symbol

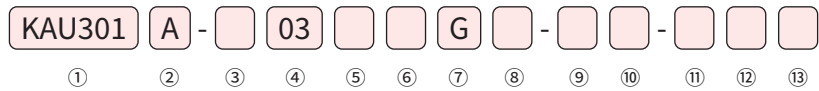


Filter regulator + Lubricator



Detail catalog

How to order



① Series

KAU201	1/4, 1/8
KAU301	3/8, 1/4
KAU401	1/2, 3/8
KAU601	3/4, 1

② Combination

A	KAW + KAL
---	-----------

③ Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

④ Port size ● Standard ○ Optional

Code	Port size	KAU			
		201	301	401	601
01	1/8"	○			
02	1/4"	●	○		
03	3/8"		●	○	
04	1/2"			●	
06	3/4"				●
10	1"				●

⑤ Filtration grade

-	5μm (standard)
2	20μm
4	40μm

⑥ Drain

-	Manual drain (standard)
D	Auto drain (NO)

⑦ Gauge

G	Integral gauge (1.0 MPa)
H	Without gauge, port block included
T	External gauge (1.0 / 0.4 / 0.2 MPa)
P	Digital gauge (1.0 MPa)

⑧ Bowl

-	Polycarbonate bowl
M	Metal bowl

⑨ Regulating range

-	0.05~1.0MPa (standard)
2	0.02~0.2MPa
4	0.02~0.4MPa

⑩ Relief

-	Relief (standard)
N	Non-relief

⑪ Digital pressure switch & other option

-	None	
P	Pressure switch	
P35N	MPS35 positive pressure,	NPN
P35P	port block attached	PNP
P41N	KTD-041 positive pressure,	NPN
P41P	pin attached	PNP
V	3 Port manual residual pressure exhaust valve	

⑫ Handle and bonnet type

-	Knob type (plastic bonnet)
---	----------------------------

• For T type Handle(metal bonnet), please contact us.

⑬ Air flow direction (installation direction)

-	Left(in) → Right(out)
R	Right(in) → Left(out)

Specifications

Fluid	Compressed air			
Max. Operating pressure	1.0MPa			
Proof pressure	1.5MPa			
Set pressure range	0.05 ~ 0.85MPa			
Ambient & fluid temperature	-5 ~ 60°C (no freezing)			
Filtration grade	Standard: 5μm, option: 20μm, 40μm			
Bowl material	Polycarbonate (standard), metal			
Structure	Relief (standard), non-relief			
External gauge port size	KAU201A	KAU301A	KAU401A	KAU601A
	Rc(PT) 1/8		Rc(PT) 1/4	
Weight(g)	410	905	1,455	3,700

KAU101B~601B

Filter + Regulator Combination



KAU301B-03G

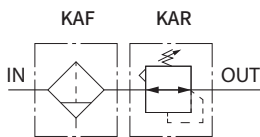


Digital pressure switch(KTD-041)

Features

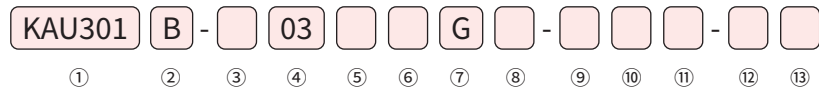
- Easy to **combine modularized devices** such as filter, regulator, lubricator and various accessories.

Symbol



Filter + Regulator

How to order



① Series

KAU101	M5
KAU201	1/4, 1/8
KAU301	3/8, 1/4
KAU401	1/2, 3/8
KAU601	3/4, 1

② Combination

B	KAF + KAR
---	-----------

③ Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

④ Port size

● Standard ○ Optional

Code	Port size	KAU				
		101	201	301	401	601
M5	M5	●				
01	1/8"		○			
02	1/4"		●	○		
03	3/8"			●	○	
04	1/2"				●	
06	3/4"					●
10	1"					●

⑤ Filtration grade

-	5μm (standard)
2	20μm
4	40μm

⑥ Drain

-	Manual drain (standard)
D	Auto drain (NO)

⑦ Gauge

G	Integral gauge (1.0 MPa)
H	Without gauge, port block included
T	External gauge (1.0 / 0.4 / 0.2 MPa)
P	Digital gauge (1.0 MPa)

⑧ Bowl

-	Polycarbonate bowl
M	Metal bowl

⑨ Regulating range

-	0.05~1.0MPa (standard)
2	0.02~0.2MPa
4	0.02~0.4MPa

⑩ Relief

-	Relief (standard)
N	Non-relief

⑪ Digital pressure switch & other option

-	None	
P	Pressure switch	
P35N	MPS35 positive pressure,	NPN
P35P	port block attached	PNP
P41N	KTD-041 positive pres-	NPN
P41P	sure, pin attached	PNP
V	3 Port manual residual pressure exhaust valve	
W	Upper side regulator handle	

⑫ Handle and bonnet type

-	Knob type (plastic bonnet)
---	----------------------------

• For T type Handle(metal bonnet), please contact us.

⑬ Air flow direction (installation direction)

-	Left(in) → Right(out)
R	Right(in) → Left(out)

Specifications

Fluid	Compressed air				
Max. Operating pressure	1.0MPa				
Proof pressure	1.5MPa				
Set pressure range	0.05 ~ 0.85MPa				
Ambient & fluid temperature	-5 ~ 60°C (no freezing)				
Filtration grade	Standard: 5μm, option: 20μm, 40μm				
Bowl material	Polycarbonate (standard), metal				
Structure	Relief (standard), non-relief				
External gauge port size	KAU101B	KAU201B	KAU301B	KAU401B	KAU601B
	M5	Rc(PT) 1/8		Rc(PT) 1/4	
Weight(g)	160	360	785	1,270	3,300



Detail catalog

KAF101~601

Air Filter

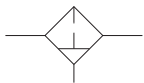


KAF301-03

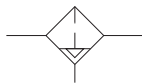
Features

- Removes solid particles and liquid droplets from compressed air to **provide clean and dry air**.
- Easily mounted in line or on a wall surface with the bracket.
- Easy to **combine modularized devices** such as filter, regulator, lubricator and various accessories.

Symbol

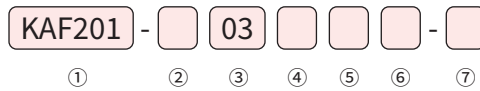


Manual drain



Auto drain

How to order



① Series

KAF101	M5
KAF201	1/4, 1/8
KAF301	3/8, 1/4
KAF401	1/2, 3/8
KAF601	3/4, 1

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

● Standard ○ Optional

Code	Port size	KAF				
		101	201	301	401	601
M5	M5	●				
01	1/8"		○			
02	1/4"		●	○		
03	3/8"			●	○	
04	1/2"				●	
06	3/4"					●
10	1"					●

④ Filtration grade

-	5μm (standard)
2	20μm
4	40μm

⑤ Bracket

-	None
B	Bracket(C type)

⑥ Drain

-	Manual drain (standard)
D	Auto drain* (NO)

* Auto drain type
KAW101, 201: differential pressure type
KAW301~601: float type

⑦ Bowl

-	Polycarbonate bowl
M	Metal bowl

Specifications

Fluid	Compressed air				
Proof pressure	1.5MPa				
Max. Operating pressure	1.0MPa				
Min. Operating pressure	0.05MPa				
Ambient & fluid temperature	-5 ~ 60°C (no freezing)				
Filtration grade	Standard: 5μm, option: 20μm, 40μm				
Bowl material	Polycarbonate (standard), metal				
Weight(g)	KAF101	KAF201	KAF301	KAF401	KAF601
	70	140	290	470	1,400



Detail catalog

KAR101~601

Air Regulator

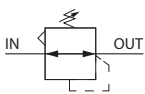


KAR301-03G

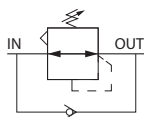
Features

- Compact size, due to the **integral pressure gauge**, allows for space saving and easy installation.
- Big size pressure gauge **improves visibility**, reading to more accurate pressure.
- Improved precision of pressure regulation provides more stable and consistent output pressure.

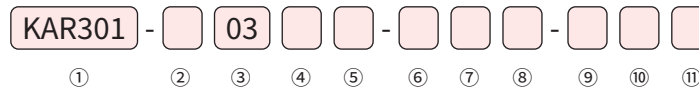
Symbol



Standard

Built-in
Check valve

How to order



① Series

KAR101	M5
KAR201	1/4, 1/8
KAR301	3/8, 1/4
KAR401	1/2, 3/8
KAR601	3/4, 1

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

● Standard ○ Optional

Code	Port size	KAR				
		101	201	301	401	601
M5	M5	●				
01	1/8"		○			
02	1/4"		●	○		
03	3/8"			●	○	
04	1/2"				●	
06	3/4"					●
10	1"					●

④ Bracket

-	None
B	Bracket + nut

⑤ Gauge

G	Integral gauge (1.0 MPa)
H	Without gauge, port block included
T	External gauge (1.0 / 0.4 / 0.2 MPa)
P	Digital gauge (1.0 MPa)

⑥ Regulating range

-	0.05~1.0MPa (standard)
2	0.02~0.2MPa
4	0.02~0.4MPa

⑦ Check valve

-	None
C	Built-in check valve

⑧ Relief

-	Relief (standard)
N	Non-relief

⑨ Digital pressure switch & other option

-	None	
P35N	MPS35 positive pressure, port block attached	NPN
P35P		PNP
P41N	KTD-041 positive pressure, pin attached	NPN
P41P		PNP
V	3 Port manual residual pressure exhaust valve	
W	Upper side regulator handle	

⑩ Handle and bonnet type

-	Knob type (plastic bonnet)
---	----------------------------

• For T type Handle(metal bonnet), please contact us.

⑪ Air flow direction (installation direction)

-	Left(in) → Right(out)
R	Right(in) → Left(out)

Specifications

Fluid	Compressed air				
Max. Operating pressure	1.0MPa				
Proof pressure	1.5MPa				
Set pressure range	0.05 ~ 0.85MPa				
Ambient & fluid temperature	-5 ~ 60°C (no freezing)				
Structure	Relief (standard), non-relief				
External gauge port size	KAR101	KAR201	KAR301	KAR401	KAR601
	Rc(PT) 1/16	Rc(PT) 1/8		Rc(PT) 1/4	
Weight(g)	67	185	430	690	2,100



Detail catalog

KAL201~601

Air Regulator

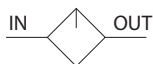


KAL201-02

Features

- Integrated internal lubrication provides **stable and consistent droplet** flow.
- Improved internal lubrication **increases durability**, resistance to corrosion and **extends the lifespan** of the system.
- Connect with any combination of modular unit.

Symbol

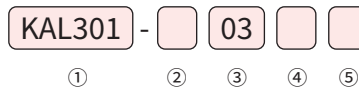


Lubricator



Detail catalog

How to order



① Series

KAL201	1/4, 1/8
KAL301	3/8, 1/4
KAL401	1/2, 3/8
KAL601	3/4, 1

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size ● Standard ○ Optional

Code	Port size	KAL			
		201	301	401	601
01	1/8"	○			
02	1/4"	●	○		
03	3/8"		●	○	
04	1/2"			●	
06	3/4"				●
10	1"				●

④ Bracket

-	None
B	Bracket(C type)

⑤ Bowl

-	Polycarbonate bowl
M	Metal bowl

Specifications

Fluid	Compressed air			
Max. Operating pressure	1.0MPa			
Proof pressure	1.5MPa			
Set pressure range	0.05 ~ 0.85MPa			
Ambient & fluid temperature	-5 ~ 60°C (no freezing)			
Bowl material	Polycarbonate (standard), metal			
Lubricant	Class 1 turbine oil (ISO VG32)			
Min. Flow required for lubrication* (L/min(ANR))	KAL201	KAL301	KAL401	KAL601
	15	45	50	-
Weight(g)	160	320	495	1,400

* Test condition

- Temperature: 20°C
- In port pressure: 0.5 MPa
- Class 1 turbine oil (ISO VG32)
- Lubricating 5 droplets/min when flow rate control valve are fully opened.

KAW101~601

Filter Regulator

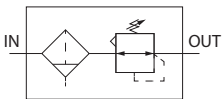


KAW301-03G

Features

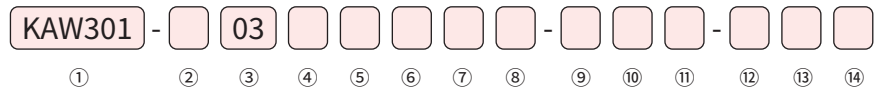
- Compact size, due to the **integral pressure gauge**, allows for space saving and easy installation.
- Big size pressure gauge **improves visibility**, reading to more accurate pressure.
- Improved precision of pressure regulation provides **more stable** and **consistent output** pressure.

Symbol



Filter regulator

How to order



① Series

KAW101	M5
KAW201	1/4, 1/8
KAW301	3/8, 1/4
KAW401	1/2, 3/8
KAW601	3/4, 1

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

● Standard ○ Optional

Code	Port size	KAW				
		101	201	301	401	601
M5	M5	●				
01	1/8"		○			
02	1/4"		●	○		
03	3/8"			●	○	
04	1/2"				●	
06	3/4"					●
10	1"					●

④ Filtration grade

-	5μm (standard)
2	20μm
4	40μm

⑤ Bracket

-	None
B	Bracket + nut

⑥ Drain

-	Manual drain (standard)
D	Auto drain* (NO)

* Auto drain type
KAW101, 201: differential pressure type
KAW301~601: float type

⑦ Gauge

G	Integral gauge (1.0 MPa)
H	Without gauge, port block included
T	External gauge (1.0 / 0.4 / 0.2 MPa)
P	Digital gauge (1.0 MPa)

⑧ Bowl

-	Polycarbonate bowl
M	Metal bowl

⑨ Regulating range

-	0.05~1.0MPa (standard)
2	0.02~0.2MPa
4	0.02~0.4MPa

⑩ Check valve

-	None
C	Built-in check valve

⑪ Relief

-	Relief (standard)
N	Non-relief

⑫ Digital pressure switch & other option

-	None	
P35N	MPS35 positive pressure, port block attached	NPN
P35P		PNP
P41N	KTD-041 positive pressure, pin attached	NPN
P41P		PNP
V	3 Port manual residual pressure exhaust valve	

⑬ Handle and bonnet type

-	Knob type (plastic bonnet)
---	----------------------------

• For T type Handle(metal bonnet), please contact us.

⑭ Air flow direction (installation direction)

-	Left(in) → Right(out)
R	Right(in) → Left(out)

Specifications

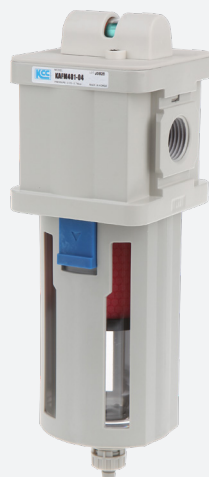
Fluid	Compressed air				
Max. Operating pressure	1.0MPa				
Proof pressure	1.5MPa				
Set pressure range	0.05 ~ 0.85MPa				
Ambient & fluid temperature	-5 ~ 60°C (no freezing)				
Filtration grade	Standard: 5μm, option: 20μm, 40μm				
Bowl material	Polycarbonate (standard), metal				
Structure	Relief (standard), non-relief				
External gauge port size	KAW101	KAW201	KAW301	KAW401	KAW601
	Rc(PT) 1/16		Rc(PT) 1/8		Rc(PT) 1/4
Weight(g)	78	215	520	850	2,500



Detail catalog

KAFM/KAFU201~601

Mist Separator

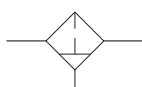


KAFM401-04S

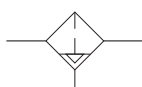
Features

- Removes solid particles and liquid droplets from compressed air to **provide clean and dry air**.
- Easily mounted in line or on a wall surface with the bracket.
- Easy to **combine modularized devices** such as filter, regulator, lubricator and various accessories.

Symbol

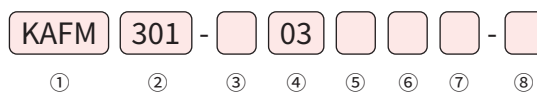


Manual drain



Auto drain

How to order



① Series

KAFM	0.3 μm
KAFU	0.01 μm

② Size

201	1/4, 1/8
301	3/8, 1/4
401	1/2, 3/8
601	3/4, 1

③ Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

④ Port size

● Standard ○ Optional

Code	Port size	KAFM, KAFU			
		201	301	401	601
01	1/8"	○			
02	1/4"	●	○		
03	3/8"		●	○	
04	1/2"			●	
06	3/4"				●
10	1"				●

⑤ Bracket

-	None
B	Bracket(C type)

⑥ Drain

-	Manual drain (standard)
D	Auto drain* (NO)

* Auto drain type
KAW101, 201: differential pressure type
KAW301~601: float type

⑦ Option

-	None
S	Differential pressure indicator

⑧ Bowl

-	Polycarbonate bowl
M	Metal bowl

Specifications

Fluid	Compressed air			
Proof pressure	1.5MPa			
Max. Operating pressure	1.0MPa			
Min. Operating pressure	0.05MPa			
Ambient & fluid temperature	-5 ~ 60°C (no freezing)			
Filtration grade	KAFM: 0.3μm, KAFU: 0.01μm			
Air purity class at the output	MAX 0.1mg/m ³ (ANR) (when the saturation level of element oil is below 0.01mg/m ³ (ANR) {0.008ppm})			
Element life span	Pressure drop reach 0.1Mpa			
Bowl material	Polycarbonate (standard), metal			
Weight(g)	KAFM(U)201	KAFM(U)301	KAFM(U)401	KAFM(U)601
	140	293	477	1,210



Detail catalog

KRG201

Pressure Gauge Built-in Regulator

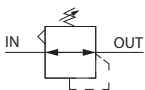


KRG201A-02

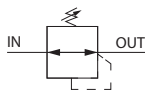
Features

- Built-in pressure gauge on the handle **improves visibility** in various mounting locations."
- Compact size allows for space savings and **reduce piping requirements**.

Symbol

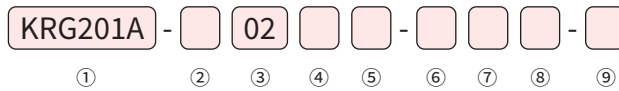


Regulator
Relief



Regulator
Non-relief

How to order



① Series

KRG201A	1/4
KRG301A	3/8

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

Code	Port size	KRG	
		201A	301A
02	1/4"	●	
03	3/8"		●

④ Bracket

-	None
B	Bracket(L type) + nut

⑤ Pressure gauge mount angle

-	0°
GA	90°
GB	180°
GC	270°

• Above angle is the initial setting and the user can adjust the angle as needed.

⑥ Regulating range

-	0.05~0.85MPa (standard)
2	0.02~0.2MPa
4	0.02~0.4MPa

⑦ Check valve

-	None
C	Built-in check valve

⑧ Relief

-	Relief (standard)
N	Non-relief

⑨ Air flow direction (installation direction)

-	Left(in) → Right(out)
R	Right(in) → Left(out)

Specifications

Fluid	Compressed air	
Max. Operating pressure	1.0MPa	
Proof pressure	1.5MPa	
Set pressure range	0.05 ~ 0.85MPa	
Ambient & fluid temperature	-5 ~ 60°C (no freezing)	
Structure	Relief (standard), non-relief	
Weight(kg)	KRG201A	KRG301A
	0.28	0.63



Detail catalog

KWG201

Pressure Gauge Built-in Filter Regulator

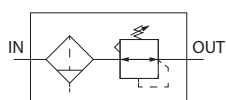


KWG201A-02

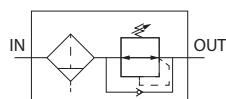
Features

- Built-in pressure gauge on the handle **improves visibility** in various mounting locations."
- Compact size allows for space savings and **reduce piping requirements**.

Symbol



Relief

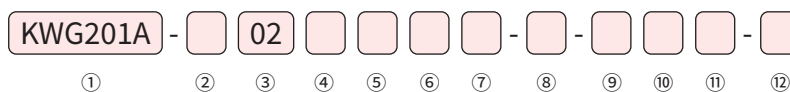


Non-relief



Detail catalog

How to order



① Series

KWG201A	1/4
KWG301A	3/8

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

Code	Port size	KWG	
		201A	301A
02	1/4"	●	
03	3/8"		●

④ Filtration grade

-	5μm (standard)
2	20μm
4	40μm

⑤ Bracket

-	None
B	Bracket + nut

⑥ Drain

-	Manual drain (standard)
D*	Auto drain (NO) Differential pressure type
F	Auto drain (NO) Float type

* Differential pressure type for KWG201 only.

⑦ Pressure gauge mount angle

-	0°
GA	90°
GB	180°
GC	270°

⑧ Bowl

-	Polycarbonate bowl
M	Metal bowl

⑨ Regulating range

-	0.05~0.85MPa (standard)
2	0.02~0.2MPa
4	0.02~0.4MPa

⑩ Check valve

-	None
C	Built-in check valve

⑪ Relief

-	Relief (standard)
N	Non-relief

⑫ Air flow direction (installation direction)

-	Left(in) → Right(out)
R	Right(in) → Left(out)

Specifications

Fluid	Compressed air	
Max. Operating pressure	1.0MPa	
Proof pressure	1.5MPa	
Set pressure range	0.05 ~ 0.85MPa	
Ambient & fluid temperature	-5 ~ 60°C (no freezing)	
Filtration grade	Standard: 5μm, option: 20μm, 40μm	
Bowl material	Polycarbonate (standard), metal	
Structure	Relief (standard), non-relief	
Weight(kg)	KWG201A	KWG301A
	0.31	0.72

KPR

Precision Regulator

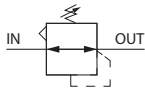


KPR201-02BT-8

Features

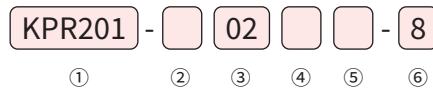
- Make fine-tuned and **accurate** pressure **adjustments**.
- **Wide range of regulation** option to suit various applications.
- Easy to **combine modularized devices** such as filter, mist separator and various accessories.

Symbol



Regulator

How to order



① Series

KPR101	1/8
KPR201	1/4

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

Code	Port size	KPR	
		101	201
01	1/8"	●	
02	1/4"		●

④ Bracket

-	None
B	Bracket + nut

⑤ Gauge

-	None (standard)
T	External gauge (1.0 / 0.4 / 0.2 MPa)
P	Digital gauge

⑥ Regulating range

8	0.01~0.8MPa (standard)
4	0.01~0.4MPa
2	0.005~0.2MPa
07	0.005~0.07MPa

Specifications

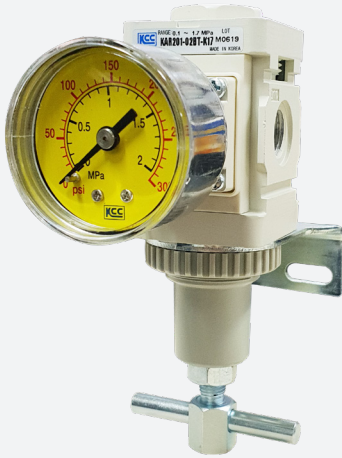
Fluid	Compressed air	
Proof pressure	1.5MPa	
Max. Operating pressure	1.0MPa	
Min. Operating pressure	Set pressure + 0.1MPa	
Set pressure range	0.8MPa	0.01 ~ 0.8MPa
	0.4MPa	0.01 ~ 0.4MPa
	0.2MPa	0.005 ~ 0.2MPa
	0.07MPa	0.005 ~ 0.07MPa
Sensitivity	≤ 0.2% of full span	
Repeatability	≤ ±0.5% of full span	
Air consumption	1.7 L/min(ANR)	
Port size	Rc(PT) 1/4	
Pressure gauge port	Rc(PT) 1/8 (2 locations)	
Ambient & fluid temperature	-5 ~ 60°C	
	When using digital pressure switch: 0~50°C (no freezing)	
Weight(kg)	0.32	



Detail catalog

KAR-17K, 27K

High Pressure Regulator



How to order

KAR201 - 02 - 17K

① ② ③ ④ ⑤ ⑥

① Series

KAR201	1/4
KAR301	3/8
KAR401	1/2

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

Code	Port size	KAR-17K, 27K		
		201	301	401
02	1/4"	●		
03	3/8"		●	
04	1/2"			●

④ Bracket

-	None
B	Bracket + nut

⑤ Gauge

-	None
T	External gauge (1.0 / 0.4 / 0.2 MPa) (standard)

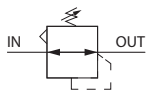
⑥ Regulating range

17K	0.1 ~ 1.7MPa
27K	0.1 ~ 2.7MPa

Features

- **High pressure** regulator(2MPa or 3MPa), suitable for high-pressure industries such as oil and gas, power generation.
- Easy to **combine modularized devices** such as filter, mist separator and various accessories.

Symbol



Regulator

Specifications

Model	KAR-17K	KAR-27K
Fluid	Compressed air	
Operating type	Diaphragm	Piston
Proof pressure	2.5MPa	3.5MPa
Max. Operating pressure	2.0MPa	3.0MPa
Set pressure range	0.1 ~ 1.7MPa	0.1 ~ 2.7MPa
Ambient & fluid temperature	-5 ~ 60°C(no freezing)	
Structure	Relief	
Weight(kg)	KAR201	0.26
	KAR301	0.65
	KAR401	0.94
		0.27
		0.66
		0.95



Detail catalog

KGR201~401

Regulator for Special Environment

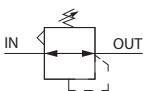


KGR201-02BT

Features

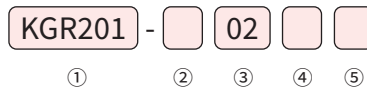
- Optimized for special environments
- Easy to **combine modularized devices** such as filter, mist separator and various accessories.

Symbol



Regulator

How to order



① Series

KGR201	1/4
KGR301	3/8
KGR401	1/2

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

Code	Port size	KGR		
		201	301	401
02	1/4"	●		
03	3/8"		●	
04	1/2"			●

④ Bracket

-	None
B	Bracket + nut

⑤ Gauge

-	None
T	External gauge (standard)

Specifications

Fluid	Compressed air		
Proof pressure	1.2MPa		
Max. Operating pressure	1.0MPa		
Set pressure range	0.05 ~ 0.85MPa		
Ambient & fluid temperature	-5 ~ 60°C (no freezing)		
Structure	Relief		
Pressure gauge port	KGR201	KGR301	KGR401
	PT1/8	PT1/4	
Weight(kg)	0.27	0.64	0.94



Detail catalog

KGW201~401

Filter Regulator for Special Environment

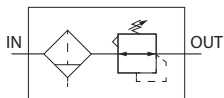


KGW201-02BT

Features

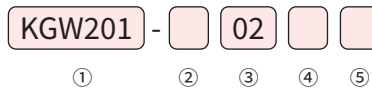
- Optimized for special environments
- Easy to **combine modularized devices** such as filter, mist separator and various accessories.

Symbol



Filter regulator

How to order



① Series

KGW201	1/4
KGW301	3/8
KGW401	1/2

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

Code	Port size	KGW		
		201	301	401
02	1/4"	●		
03	3/8"		●	
04	1/2"			●

④ Bracket

-	None
B	Bracket + nut

⑤ Gauge

-	None
T	External gauge (standard)

Specifications

Fluid	Compressed air		
Proof pressure	1.2MPa		
Max. Operating pressure	1.0MPa		
Set pressure range	0.05 ~ 0.85MPa		
Ambient & fluid temperature	-5 ~ 60°C (no freezing)		
Structure	Relief		
Pressure gauge port	KGW201	KGW301	KGW401
	PT1/8	PT1/4	
Weight(kg)	0.3	0.74	1.13



Detail catalog

KVF201~401

Vacuum Filter

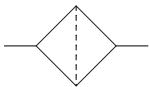


KVF201-02

Features

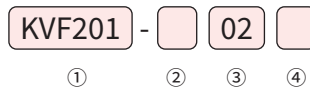
- Removes contaminants from a vacuum air.
- Compact** size and **lightweight**, makes them suitable for tight spaces and easy to install. (KVF231)
- Easy to **combine modularized devices** such as filter, mist separator and various accessories.

Symbol



Vacuum filter

How to order



① Series

KVF201	1/4
KVF231	1/8, 1/4
KVF301	3/8
KVF401	1/2

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

Code	Port size	KVF			
		201	231	301	401
01	1/8"		●		
02	1/4"	●	●		
03	3/8"			●	
04	1/2"				●

④ Bracket

-	None
B	Bracket + nut

Specifications

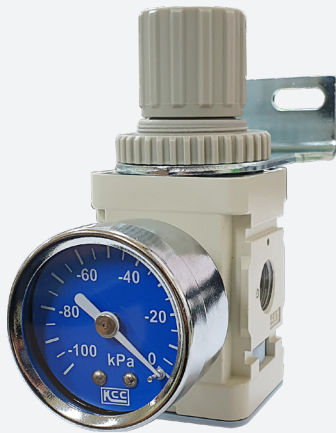
Fluid	Vacuum			
Proof pressure	0.5MPa			
Operating pressure	-100 ~ 0kPa			
Ambient & fluid temperature	-5 ~ 60°C (no freezing)			
Filtration grade	40 μm			
Case material	Polycarbonate			
Pressure gauge port	Rc(PT) 1/8			
Port size	KVF201	KVF231	KVF301	KVF401
	1/4	1/8, 1/4	3/8	1/2
Weight(g)	145	76	300	480



Detail catalog

KVR201~301

Vacuum Regulator

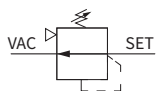


KVR201-02BT

Features

- Adjust vacuum pressure control to **maintains a constant vacuum level** of the system.
- Easy to **combine modularized devices** such as filter, mist separator and various accessories.

Symbol



How to order

KVR201 -

① ② ③ ④ ⑤

① Series

KVR201	1/4
KVR301	3/8 (under development)

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

Code	Port size	KVR	
		201	301
02	1/4"	●	
03	3/8"		●

④ Bracket

-	None
B	Bracket + nut

⑤ Gauge

-	None (standard)
T	External gauge

Specifications

Fluid	Vacuum	
Proof pressure	100kPa	
Set pressure	-100 ~ -1.3kPa	
Atmospheric suction consumption	≤ 0.6ℓ/Min(ANR)	
Ambient & fluid temperature	-5 ~ 60°C (no freezing)	
Pressure gauge port	PT 1/3	
Port size	KVR201	KVR301 (under development)
	1/4	3/8
Weight(g)	180	-



Detail catalog

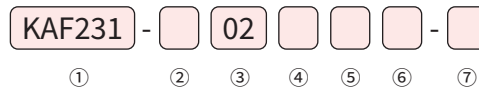
KAF231

Compact Air Filter



KAF231-02

How to order



① Series

KAF231	1/8, 1/4
--------	----------

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

01	1/8
02	1/4

④ Filtration grade

-	5μm (standard)
2	20μm
4	40μm

⑤ Bracket

-	None
B	Bracket

⑥ Drain

-	Manual drain (standard)
D	Auto drain* (NO, differential pressure type)

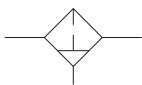
⑦ Bowl

-	Polycarbonate bowl
---	--------------------

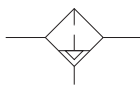
Features

- Removes solid particles and liquid droplets from compressed air to **provide clean and dry air.**
- Easily mounted in line or on a wall surface with the bracket.
- Compact** size and **lightweight**, makes them suitable for tight spaces and easy to install.

Symbol



Manual drain



Auto drain

Specifications

Fluid	Compressed air
Proof pressure	1.5MPa
Max. Operating pressure	1.0MPa
Min. Operating pressure	0.05MPa
Ambient & fluid temperature	-5 ~ 60°C (no freezing)
Filtration grade	Standard: 5μm, option: 20μm, 40μm
Bowl material	Polycarbonate
Weight(g)	100



Detail catalog

KAR231

Compact Air Regulator



KAR231-02T

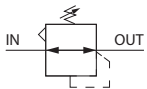
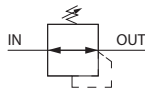


KAR231B-02BT

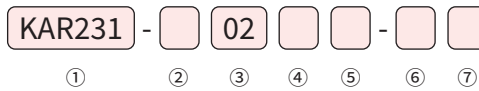
Features

- **Fast response** and precise pressure control.
- Easily mounted in line or on a wall surface with the bracket.
- **Compact** size and **lightweight**, makes them suitable for tight spaces and easy to install.

Symbol

Regulator
ReliefRegulator
Non-relief

How to order



① Series

KAR231	White color body
KAR231B	Black color body

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

01	1/8
02	1/4

④ Bracket

-	None
B	Bracket + nut

⑤ Gauge

-	None
T	External gauge (1.0 / 0.4 / 0.2 MPa)

⑥ Regulating range

-	0.07~0.85MPa (standard)
3	0.03~0.35MPa

⑦ Relief

-	Relief (standard)
CR	Constant relief
E	Non-relief

Specifications

Fluid	Compressed air
Proof pressure	1.5MPa
Max. Operating pressure	1.0MPa
Set pressure range	0.07 ~ 0.85MPa (standard), 0.03~0.35MPa
Ambient & fluid temperature	-5 ~ 60°C (no freezing)
Structure	Relief (standard), constant relief, non-relief
External gauge port size	Rc(PT) 1/8
Weight(g)	90



Detail catalog

KAW231

Compact Filter Regulator

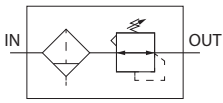


KAW231-02

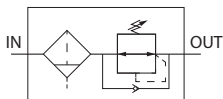
Features

- Provides **clean and dry air** with fast response and precise **pressure control**.
- Easily mounted in line or on a wall surface with the bracket.
- **Compact** size and **lightweight**, makes them suitable for tight spaces and easy to install.

Symbol

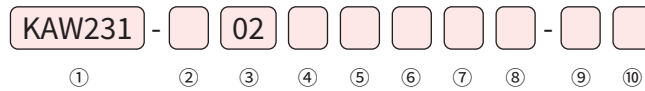


Relief



Non-relief

How to order



① Series

KAW231	1/4, 1/8
--------	----------

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

01	1/8
02	1/4

④ Filtration grade

-	5 μ m (standard)
2	20 μ m
4	40 μ m

⑤ Bracket

-	None
B	Bracket + nut

⑥ Drain

-	Manual drain (standard)
D	Auto drain* (NO, differential pressure type)

⑦ Bowl

-	Polycarbonate bowl
M	Metal bowl

⑧ Gauge

-	None
T	External gauge (1.0 / 0.4 / 0.2 MPa)

⑨ Regulating range

-	0.07~0.85MPa (standard)
3	0.03~0.35MPa

⑩ Relief

-	Relief (standard)
CR	Constant relief
E	Non-relief

Specifications

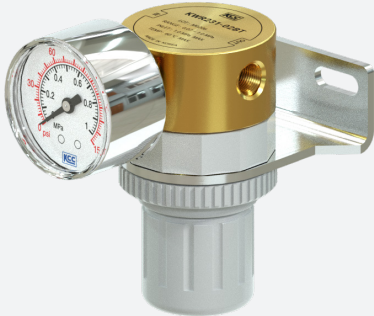
Fluid	Compressed air
Max. Operating pressure	1.0MPa
Proof pressure	1.5MPa
Set pressure range	0.07 ~ 0.85MPa (standard), 0.03~0.35MPa
Ambient & fluid temperature	-5 ~ 60°C (no freezing)
Filtration grade	Standard: 5 μ m, option: 20 μ m, 40 μ m
Bowl material	Polycarbonate
Structure	Relief (standard), constant relief, non-relief
External gauge port size	Rc(PT) 1/8
Weight(g)	135



Detail catalog

KWR231

Compact Water Regulator

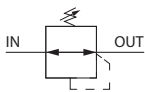


KAW231-02BT

Features

- Compact designed with a durable **brass** body for **water** application.
- Easily mounted in line or on a wall surface with the bracket.
- **Compact** size and **lightweight**, makes them suitable for tight spaces and easy to install.

Symbol

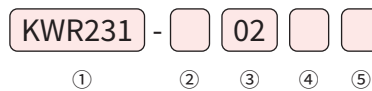


Regulator
Non-relief



Detail catalog

How to order



① Series

KWR231	1/4, 1/8
--------	----------

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

01	1/8
02	1/4

④ Bracket

-	None
B	Bracket + nut

⑤ Gauge

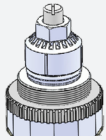
-	None
T	External gauge

Specifications

Fluid	Water	
Max. Operating pressure	0.8MPa	
Proof pressure	1.5MPa	
Set pressure range	0.08 ~ 0.39MPa	
Pressure characteristics	0.03MPa	
Flow characteristics	250ℓ/min (ANR)	
Fluid temperature	1 ~ 60°C (no freezing)	
Ambient temperature	-5 ~ 60°C (no freezing)	
Body material	Brass	
Structure	Non-relief	
External gauge port size	Rc(PT) 1/8	
Weight(g)	KWR231-01	KWR231-02
	265	215

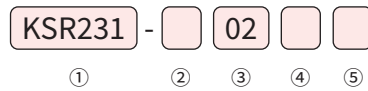
KSR231

STS Regulator for Medical and Chemicals



Set pressure lock type

How to order



① Series

KSR231	1/4, 1/8
--------	----------

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

01	1/8
02	1/4

④ Bracket

-	None
B	Bracket + nut

⑤ Gauge

-	None
T	External gauge

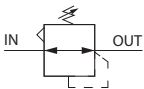
Features

- **STS** material, **strong against corrosion and wear**, ensuring long-lasting performance.
- Compact designed with a durable **brass** body for **water** application.
- Easily mounted in line or on a wall surface with the bracket.
- **Compact** size and **lightweight**, makes them suitable for tight spaces and easy to install.

Specifications

Fluid	Air
Max. Operating pressure	1.0MPa
Proof pressure	1.5MPa
Set pressure range	0.07 ~ 0.85MPa
Fluid & ambient temperature	5 ~ 60°C (no freezing)
Body material	STS
Structure	Relief
External gauge port size	Rc(PT) 1/8

Symbol



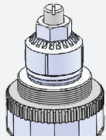
Regulator Relief



Detail catalog

KMR231

Polypropylene Regulator for Medical Industry



Set pressure lock type

How to order

KMR231 - 06H -

① ② ③

① Series

KMR231	Polypropylene regulator
--------	-------------------------

② Port type

06H	Ø6 Barb
-----	---------

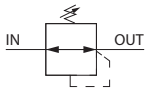
③ Bracket

-	None
B	Bracket + nut

Features

- Compact designed with a durable **polypropylene** body for **medical** application.
- Easily mounted in line or on a wall surface with the bracket.
- **Compact** size and **lightweight**, makes them suitable for tight spaces and easy to install.

Symbol



Regulator
Non-relief



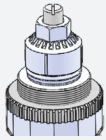
Detail catalog

Specifications

Fluid	Liquid, air
Max. Operating pressure	0.1MPa
Proof pressure	0.5MPa
Set pressure range	0.02 ~ 0.7MPa
Fluid & ambient temperature	5 ~ 60°C (no freezing)
Body material	Polypropylene
Structure	Non-relief, diaphragm type
Port connection type	Bore size Ø6 hose connect
Weight(g)	55

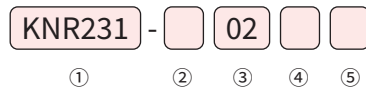
KNR231

Nitrogen(N2) Regulator



Set pressure lock type

How to order



① Series

KNR231	Nitrogen regulator
--------	--------------------

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

01	1/8
02	1/4

④ Bracket

-	None
B	Bracket + nut

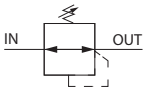
⑤ Gauge

-	None
T	External gauge

Features

- **Fast response** and precise pressure control.
- Easily mounted in line or on a wall surface with the bracket.
- **Compact** size and **lightweight**, makes them suitable for tight spaces and easy to install.

Symbol



Regulator
Non-relief

Specifications

Fluid	N2(nitrogen)
Max. Operating pressure	1.0MPa
Proof pressure	1.5MPa
Set pressure range	0.07 ~ 0.85MPa
Fluid & ambient temperature	5 ~ 60°C (no freezing)
Body material	Aluminium
Structure	Non-relief
Port connection type	Rc(PT) 1/8, 1/4
External gauge port size	Rc(PT) 1/8
Weight(g)	93



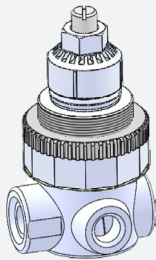
Detail catalog

KRV231

Relief Valve

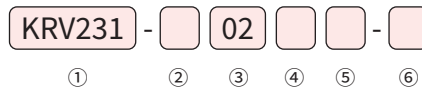


KRV231-02



Set pressure lock type

How to order



① Series

KRV231	Relief valve
--------	--------------

② Port thread type

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

01	1/8
02	1/4

④ Bracket

-	None (standard)
B	Bracket + nut

⑤ Gauge

-	None
T	External gauge

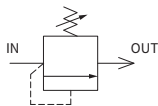
⑥ Relief regulating range

-	0.05 ~ 0.7MPa(standard)
3K	0.05 ~ 0.3MPa
1K	0.05 ~ 0.1MPa

Features

- **Release excess pressure** to maintains a safe pressure level for preventing damage to a compressed air system.
- Easily mounted in line or on a wall surface with the bracket.
- **Compact** size and **lightweight**, makes them suitable for tight spaces and easy to install.

Symbol



Relief valve

Specifications

Fluid	Air
Max. Operating pressure	1.0MPa
Proof pressure	1.5MPa
Fluid & ambient temperature	5 ~ 60°C (no freezing)
Relief pressure range	0.7MPa: 0.05~0.7MPa (standard) 0.3MPa: 0.05~0.3MPa 0.1MPa: 0.05~0.1MPa
Port size	1/8, 1/4
External gauge port size	Rc(PT) 1/8
Weight(g)	320



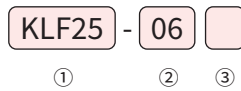
Detail catalog

KLF25

In-line Filter



How to order



① Series

Series	Filter type	Grade
KLF25	Pneumatic	5 μm
KLFV25	Vacuum, pneumatic	15 μm
KLFM25	Mist separator	0.3 μm
KLFU25	Micro mist separator	0.01 μm

② Tube outer diameter

06	∅6
08	∅8

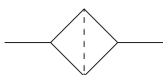
③ Bracket

-	None
B	Bracket + nut

Features

- Compact and space-saving in-line filter, designed for **easy integration in pipeline** systems.
- **Transparent case** allows for easy monitoring of filter element condition and replacement.

Symbol



Filter

Specifications

Fluid	Air, nitrogen
Flow rate	150ℓ/min(ANR)
Proof pressure	1.0MPa
Fluid & ambient temperature	5 ~ 60°C (no freezing)
Filtration grade	5, 15, 0.3, 0.01 μm
Structure	Coalescing filter element
Case material	Resin
Weight(g)	33

Element

Filter model	Element model	Filtration grade
KLF25	KLF25-EL	5 μm
KLFV25	KLFV25-EL	15 μm
KLFM25	KLFM25-EL	0.3 μm
KLFU25	KLFU25-EL	0.1 μm



Detail catalog

KAR110

Miniature Regulator

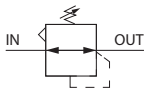


KAR110-01BT

Features

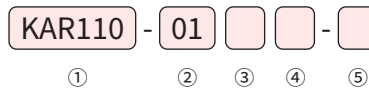
- **Miniature size** and lightweight regulator.
- **Fast response** and precise pressure control.
- Can be configured with **multi-plexed** with manifold block.
- Easily mounted in line or on a wall surface with the bracket.

Symbol



Filter regulator
Relief

How to order



① Series

KAR110	Miniature regulator
--------	---------------------

② Port size

01	R 1/8
----	-------

③ Bracket

-	None
B	Bracket + nut

④ Gauge

-	None
T	External gauge

⑤ Regulating range

-	0.2 ~ 0.7MPa
2	0.05 ~ 0.2MPa

Specifications

Fluid	Air
Max. Operating pressure	0.8MPa
Proof pressure	1.2MPa
Fluid & ambient temperature	5 ~ 60°C (no freezing)
Set pressure range	0.05~0.85MPa
Port size	R 1/8
Structure	Relief
Weight(g)	66



Detail catalog

KAR105

Micro Regulator



How to order

KAR105 - M5

① ② ③

① Series

KAR105	Miniature regulator
--------	---------------------

② Port size

M5	M5, barb fitting(Ø6 for hose)
----	-------------------------------

③ Bracket

-	None
B	Bracket + nut

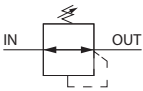
Specifications

Fluid	Air
Max. Operating pressure	0.8MPa
Proof pressure	1.2MPa
Fluid & ambient temperature	5 ~ 60°C (no freezing)
Set pressure range	0.2~0.5MPa
Port size	M5, barb fitting(Ø6 for hose)
Structure	Non-relief
Weight(g)	42

Features

- **Miniature size** and lightweight regulator.

Symbol



Filter regulator
Non-relief

KAD402

Auto Drain Valve



KAD402-04D



KAD402-04D-M



KAD402-04D-MS

How to order

KAD402 - 04 D -

① ② ③ ④

① Series

KAD402	Auto drain valve
--------	------------------

② Port size

02	Rc(pt)1/4" female thread
03	Rc(pt)3/8" female thread
04	Rc(pt)1/2" female thread
R04	R(pt)1/2" male thread
G04	G(pf)1/2" male thread
M30	M30 male thread

③ Auto drain

D	Drain port: Ø6 one touch fitting
---	----------------------------------

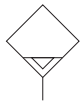
④ Bowl

-	Polycarbonate bowl + nylon case
M	Metal bowl (long sight glass)
MS	Metal bowl (round sight glass)

Features

- **Automatically discharges** impurities with water from the compressed air line.
- Auto drain valve also has a **manual override** feature, allowing for manual operation.

Symbol



Auto drain valve

Specifications

Fluid	Air
Max. Operating pressure	1.0MPa
Min. Operating pressure	0.15MPa
Proof pressure	1.5MPa
Fluid & ambient temperature	5 ~ 60°C (no freezing)
Drain port	Ø6 One touch fitting
Weight(kg)	0.46



Detail catalog

KWS

Water Separator



KWS300-03

How to order

KWS 300-03 -

① ② ③

① Series

KWS	Water Separator
-----	-----------------

② Maximum flow rate & port size

200-02	200 l/min, Rc(PT) 1/4"
300-03	300 l/min, Rc(PT) 3/8"
600-04	600 l/min, Rc(PT) 1/2"
800-10	800 l/min, Rc(PT) 1"

③ Drain type

-	Auto drain(Ø6)
Dn	Auto drain, nipple Rc(PT) 1/8
M	Manual drain

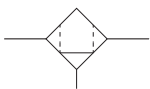
Features

- Perfect removal of moisture and condensate (**removal rate 99.99%**).
- **No filter element** and simple structure with no breakdowns and suitable for **permanent use**.
- No change in performance due to changes in air volume and amount of moisture.
- Completely **maintenance-free** type (excluding drain valves).
- Very low pressure drop.
- No power required.

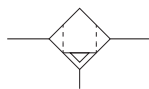
Specifications

Model	KWS200-02	KWS300-03	KWS600-04	KWS800-10
Maximum flow rate (l/min)	200	300	600	1500
Pressure drop	0~0.3kgf/cm ² (0~0.03MPa)			1.01~2.03kgf/cm ² (0.1~0.23MPa)
Operating pressure	1~10.2kgf/cm ² (0.1~1.0MPa)			2~10.2kgf/cm ² (0.2~1.0MPa)
Proof pressure	10.2kgf/cm ² (1.0MPa)			15kgf/cm ² (1.5MPa)
Fluid & ambient temperature	0 ~ 60°C			
Drain type	Auto & manual drain (Two in one)			
Port size	Rc(PT)1/4	Rc(PT)3/8	Rc(PT)1/2	Rc(PT)1
Drain port size	Ø6 One touch fitting, Rc(PT) 1/8 nipple, manual drain			
Dimensions (mm)	Ø55×210	Ø74×250	Ø90×312	Ø130×408
Weight (kg)	0.4	0.75	1.1	4.5

Symbol



Manual drain



Auto drain



Detail catalog

KMD

Membrane Air Dryer



KMD-1508A

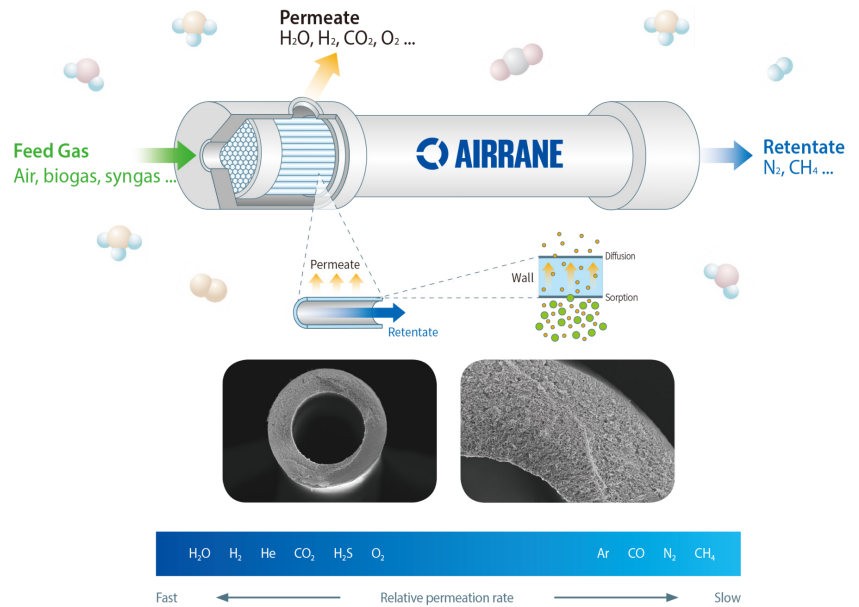


KMD-1512A

Features

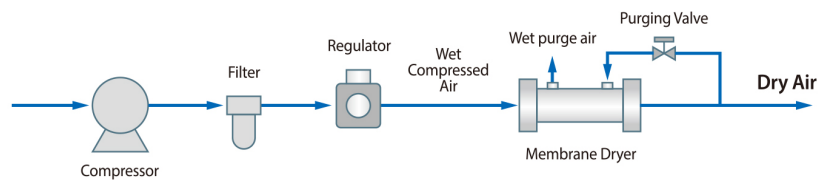
- Easy to install and maintain in various locations.
- Can be operated **immediately** without any preparation time.
- **Saving energy** as it doesn't require additional power supply.
- Suitable for continuous operation.
- **Environmentally friendly** equipment that does not use freon gas.

Principle of membrane technology



Gas separation membranes are very fine hollow fibers through which different mixtures of gases are fed. As the gases travel through the tubes, a process called selective permeation (Diffusion-Sorption) allows us to separate gases using.

Schematic diagram



Water is essential to life, but water vapor in air can be damaging to many facilities and processes. From pharmaceutical plants to electronical and chemical manufacturing, food and beverage production and medical equipment, the need for dehumidification is almost universal across all industries. Membrane separation is widely employed as a drying method of choice for its versatility and economic efficiency. Able to cover a broad range of varying conditions and requirements, membrane technology is fit to be your first option for dehumidification.

Schematic diagram



Dehumidified compressed air for Painting Process

Low-dew point instrument

Pneumatic Equipment

Scientific research equipment & Analytical process

Drying powder products

Medical equipment

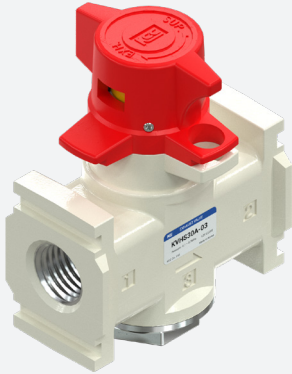
Dehumidification for Semi-conductor production

Pressurization for electronic cabinets

Model	Dimensions(mm)			Port size(inch)			Weight (kg)
	Length	OD	ID	Feed	Retentate	Permeate	
KMD-1508A	237	55	50	1/2	1/2	1/4	0.7
KMD-1512A	360	55	50	1/2	1/2	1/4	0.9
KMD-1522A	590	55	50	1/2	1/2	1/4	1.3
KMD-2022A	590	70	60	1/2	1/2	3/8	1.8

KVHS-A

Residual Pressure Exhaust Valve

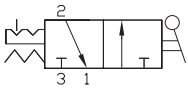


KVHS60A-10

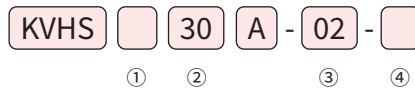
Features

- Can be used with FRL combination type.
- **Easy-to-use** manual switching valve with secure direction change.
- **Locks handle** with key during exhaust to prevent accidents from residual pressure in the line.

Symbol



How to order



① Port thread size

-	Rc(PT) (standard)
G	G

② Body size

20	1/8", 1/4"
30	1/4", 3/8"
40	3/8", 1/2"
60	3/4", 1"

③ Port size

Code	Port size	KVHS-A			
		20	30	40	60
01	1/8"	●			
02	1/4"	●	●		
03	3/8"		●	●	
04	1/2"			●	
06	3/4"				●
10	1"				●

④ Locking hole

-	1 (Exhaust)
2	2 (Exhaust/supply)

Specifications

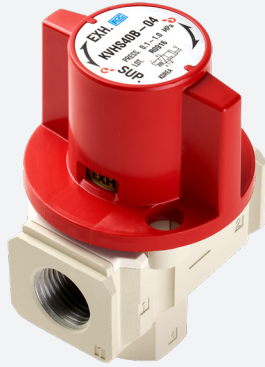
Model	KVHS20A		KVHS30A		KVHS40A		KVHS60A		
Fluid	Compressed air								
Port size	In, out	1/8	1/4	1/4	3/8	3/8	1/2	3/4	1
	Exh	1/8		1/4		3/8		1/2	
Effective sectional area $S_{m\dot{a}}$ (Cv)	In→out	10(0.55)	12(0.66)	20(1.1)	35(1.93)	40(2.2)	56(3.08)	85(4.68)	90(4.95)
	Out→exh	11(0.61)	14(0.77)	20(1.1)	35(1.93)	42(2.31)	60(3.3)	90(4.95)	95(5.22)
Operating pressure	0~9.0kgf/cm ² (0~0.9MPa)								
Proof pressure	15kgf/cm ²								
Fluid & ambient temperature	0 ~ 60°C(no freezing)								
Handle switching angle	90°								
Weight(g)	150		290		350		860		



Detail catalog

KVHS-B

Residual Pressure Exhaust Valve

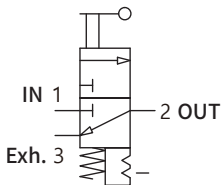


KVHS40B-04

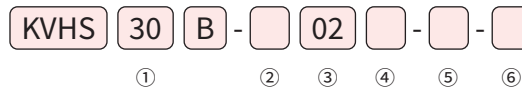
Features

- **Compact** and **lightweight**.
- Equipped with keyhole for compliance with **OSHA 29 CFR 1910.147** regulations.

Symbol



How to order



① Body size

20	1/8", 1/4"
30	1/4", 3/8"
40	1/4", 3/8", 1/2"
60	3/4", 1"

② Port thread size

-	Rc(PT) (standard)
G	G
N	NPT

③ Port size

Code	Port size	KVHS-B			
		20	30	40	60
01	1/8"	●			
02	1/4"	●	●	●	
03	3/8"		●	●	
04	1/2"			●	
06	3/4"				●
10	1"				●

④ Option 1

-	None
B	With bracket

⑤ Option 2

-	None
B	Handle color - black

⑥ Special option

-	None
R	Body color - red

Specifications

Model	KVHS20B		KVHS30B		KVHS40B			KVHS60B			
	01	02	02	03	02	03	04	06	10		
Fluid	Compressed air										
Proof pressure	1.5MPa										
Operating pressure	0.1~1.0MPa										
Handle switching angle	90°										
Standard color	Handle: red, body: white(ivory)										
Fluid & ambient temp.	-5 ~ 60°C (no freezing)										
Port size	In, out	1/8	1/4	1/4	3/8	1/4	3/8	1/2	3/4	1	
	Exhaust	1/8		1/4		3/8			1/2		
Weight(g)	75	73	138	132	270	260	250	573	546		
In→out	Effective sectional area*	Smm ²	22.16	30.7	42.1	58.7	50.4	77.5	102.1	173.5	217.3
		Cv	1.2	1.7	2.3	3.2	2.8	4.3	5.7	9.4	12.1
Out→exh	Effective sectional area*	Smm ²	19.7	21.5	40.4	47.6	58.1	84.2	103.1	117.8	119.5
		Cv	1.1	1.2	2.2	2.6	3.2	4.6	5.6	6.4	6.6

* Flow characteristics (Average value of the representative measurement. P1 = 0.5 MPa to 0.2 MPa)



Detail catalog

KVHS

Residual Pressure Exhaust Valve

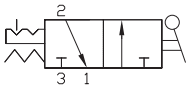


KVHS30-03

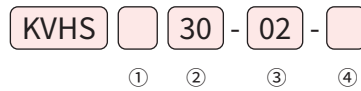
Features

- **Easy-to-use** manual switching valve with secure direction change.
- **Locks handle** with key during exhaust to prevent accidents from residual pressure in the line.

Symbol



How to order



① Port thread size

-	Rc(PT) (standard)
G	G

② Body size

20	1/8", 1/4"
30	1/4", 3/8"
40	3/8", 1/2"
50	3/4", 1"

③ Port size

Code	Port size	KVHS			
		20	30	40	50
01	1/8"	●			
02	1/4"	●	●		
03	3/8"		●	●	
04	1/2"			●	
06	3/4"				●
10	1"				●

④ Locking hole

-	1 (Exhaust)
2	2 (Exhaust/supply)

Specifications

Model	KVHS20		KVHS30		KVHS40		KVHS50		
Fluid	Compressed air								
Port size	In, out	1/8	1/4	1/4	3/8	3/8	1/2	3/4	1
	Exh	1/8		1/4		3/8		1/2	
Effective sectional area $S_{m\dot{a}}$ (Cv)	In→out	10(0.55)	12(0.66)	20(1.1)	35(1.93)	40(2.2)	56(3.08)	85(4.68)	90(4.95)
	Out→exh	11(0.61)	14(0.77)	20(1.1)	35(1.93)	42(2.31)	60(3.3)	90(4.95)	95(5.22)
Operating pressure	0~9.0kgf/cm ² (0~0.9MPa)								
Proof pressure	15kgf/cm ²								
Fluid & ambient temperature	0 ~ 60°C(no freezing)								
Handle switching angle	90°								
Weight(g)	150		290		350		860		



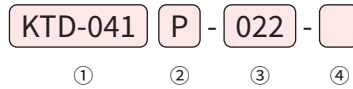
Detail catalog

KTD-041

Digital Pressure Switch for Regulator



How to order



① Series

KTD-041	Digital pressure switch for regulator
---------	---------------------------------------

② Pressure range

P	Positive pressure (0~1.0 MPa)
C	Compound pressure (-100~100kPa)

③ Switch output

022	2 NPN
042	2 PNP

④ Cable length / connector

-	2M cable
QD	M8, 3pin male connector

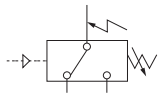
Specifications

Model	KTD-041P	KTD-041C	
Rated pressure range	0.000~1.000MPa	-100.0~100.0kPa	
Set pressure range	-0.100~1.000MPa	-101.0~101.0kPa	
Proof pressure	1.5MPa	300kPa	
Fluid	Filtered air, non-corrosive, non-flammable gas		
Set pressure resolution	kPa	-	0.1
	MPa	0.001	-
	kgf/cm ²	0.01	0.001
	bar	0.01	0.001
	psi	0.1	0.01
	inHg	-	0.1
	mmHg	-	1
Power supply voltage	DC12~24V(Ripple \pm 10% less)		
Current consumption	\leq 40mA (without load)		
Switch output	Output type	2NPN or 2PNP open collector outputs	
	Max. Load current	125mA	
	Max. Supply voltage	DC30V(NPN output), DC24V(PNP output)	
	Residual voltage	\leq 1.5V	
	Response Time	Hattering-proof function: 50, 250, 500, 1000, 2000, 3000ms	
	Output short circuit protection	Yes	
Display	LCD display	Two color(red,green,orange) main & unit display, orange secondary display(sampling rate: 5 times/1sec.)	
	Switch ON indicator	Orange (1 & 2 Indicator) OUT1 OUT2	
	Update time	Adjustable	
	Indicator accuracy	\pm 2% F.S \pm 1 digit (ambient temperature:25 \pm 3°C)	
Repeatability (switch output)	\pm 0.2% F.S. \pm 1 digit		
Environmental standard	Enclosure	IP40	
	Ambient temperature range	Operation	0 ~ 50°C
		Storage	-10~60°C(no condensation or freezing)
	Ambient humidity range	Operation/storage: 35~85%RH(no condensation)	
	Resisting voltage	1000V AC 1-min(between case and lead wire)	
	Insulation resistance	50M Ω (at 500V DC, between case and lead wire)	
	Vibration resistance	Total amplitude 1.5mm or 10G, 10Hz-55Hz-10Hz scan for 1 min., two hours each direction of X, Y and Z	
Shock resistance	100m/s ² (10G) 3 times each in direction of X, Y and Z		
Temperature characteristic	\pm 2% F.S. of detected pressure (25°C) at temp. Range of 0~50°C		
Lead wire	Oil-resistance cable(0.15mm ²)		
Weight	65g(with 2 meter lead wire), 30g(with 2 meter male connector)		

Features

- **Improved readability** with 3-color screen display
- Four different pressure units can be applied based on user selection.
- Current pressure and set values are displayed on **two-screen display**.
- Convenient attachment with a custom adapter.

Symbol



Detail catalog

KSPE-A

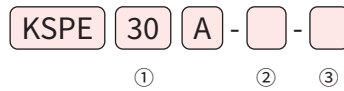
Pressure Switch with Spacer for Piping



KSPE20A

KSPE40A

How to order



① ② ③

① Applicable model

20	For KAU201
30	For KAU301
40	For KAU401
60	For KAU601 (under development)

② Port size

Code	Port size	KSPE			
		20	30	40	60
01	1/8"	●			
02	1/4"	●	●		
03	3/8"		●	●	
04	1/2"			●	
06	3/4"				●
10	1"				●

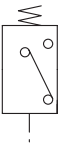
③ Lead wire length

-	1M (standard)
L	3M
Z	5M

Features

- Can be used with FRL combination type.
- **Easy detection** for air pressure in the pneumatic line.
- Convenient installation with a **compact** and **integrated pressure switch**.

Symbol



Specifications

Fluid	Compressed air	
Proof pressure	1.0MPa(10kgf/cm ²)	
Max. Pressure	0.7MPa(7kgf/cm ²)	
Set pressure range	Standard pressure: 0.1~0.4MPa(1~4kgf/cm ²) Low pressure: 0.05~0.15MPa(0.5~1.5kgf/cm ²) High pressure: 0.1~0.6MPa(1~6kgf/cm ²)	
Fluid & ambient temperature	-5 ~ 60°C(no freezing)	
Contact	1a	
Hysteresis	0.10MPa(1.0kgf/cm ²)	
Scale error	±0.05MPa(0.5kgf/cm ²)	
Repeatability	±0.05MPa(0.5kgf/cm ²)	
Lead wire length	Standard: 1M(grommet type), option: 3M, 5M	
Operating voltage	DC24V	AC110V
Operating current range	5~40mA	5~20mA



Detail catalog

KSPM-A

Modular Pressure Switch

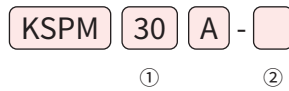


KSPM20A



KSPM40A

How to order



① Applicable model

20	For KAU201
30	For KAU301
40	For KAU401
60	For KAU601 (under development)

• For attaching with KAU series, please order the bracket separately.

Bracket model

KAU201: BT201 + BI201

KAU301: BT301 + BI301

KAU401: BT401 + BI401

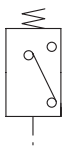
② Lead wire length

-	1M (standard)
L	3M
Z	5M

Features

- Can be used with FRL combination type.
- **Easy detection** for air pressure in the pneumatic line.
- Convenient installation with a **compact** and **integrated pressure switch**.

Symbol



Specifications

Fluid	Compressed air	
Proof pressure	1.0MPa(10kgf/cm ²)	
Max. Pressure	0.7MPa(7kgf/cm ²)	
Set pressure range	Standard pressure: 0.1~0.4MPa(1~4kgf/cm ²) Low pressure: 0.05~0.15MPa(0.5~1.5kgf/cm ²) High pressure: 0.1~0.6MPa(1~6kgf/cm ²)	
Fluid & ambient temperature	-5 ~ 60°C(no freezing)	
Contact	1a	
Hysteresis	0.10MPa(1.0kgf/cm ²)	
Scale error	±0.05MPa(0.5kgf/cm ²)	
Repeatability	±0.05MPa(0.5kgf/cm ²)	
Lead wire length	Standard: 1M(grommet type), option: 3M, 5M	
Operating voltage	DC24V	AC110V
Operating current range	5~40mA	5~20mA



Detail catalog

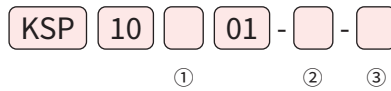
KSP

Pressure Switch, Direct Pipe Mount



KSP10-01

How to order



① Port thread type

-	Rc(PT)
N	NPT

② Lead wire length

-	1M (standard)
L	3M
Z	5M

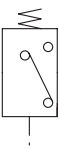
③ Set pressure

-	0.1 ~ 0.4 MPa (standard)
15	0.05 ~ 0.15 MPa (low pressure)
60	0.1 ~ 0.6 MPa (high pressure)

Features

- Can be used with FRL combination type.
- **Easy detection** for air pressure in the pneumatic line.
- Convenient installation with a **compact** and **integrated pressure switch**.

Symbol



Specifications

Fluid	Compressed air	
Port size	R(PT)1/8 (standard), NPT1/8	
Proof pressure	1.0MPa(10kgf/cm ²)	
Max. Pressure	0.7MPa(7kgf/cm ²)	
Set pressure range	Standard pressure: 0.1~0.4MPa(1~4kgf/cm ²) Low pressure: 0.05~0.15MPa(0.5~1.5kgf/cm ²) High pressure: 0.1~0.6MPa(1~6kgf/cm ²)	
Fluid & ambient temperature	-5 ~ 60°C (no freezing)	
Contact	1a	
Hysteresis	0.10MPa(1.0kgf/cm ²)	
Scale error	±0.05MPa(0.5kgf/cm ²)	
Repeatability	±0.05MPa(0.5kgf/cm ²)	
Lead wire length	Standard: 1M(grommet type), option: 3M, 5M	
Operating voltage	DC24V	AC110V
Operating current range	5~40mA	5~20mA



Detail catalog

KPG

Pressure Gauge



KPG40-10G



KPG40-10T



KPG40-10Q
Gauge + pressure range indicator

Specifications(integral gauge)

Model	Pressure range	Color	Applicable series	Weight(g)
KPG20-10G	0~1.0MPa	Gray	KAR201, KAW201	14.5
KPG20-4G	0~0.4MPa	Gray	KAR201, KAW201	14.5
KPG40-10G	0~1.0MPa (0~140psi)	Gray	KAR301, KAW301, KAR401, KAW401, KAR601, KAW601	25
KPG40-4G	0~0.4MPa (0~60psi)	Gray	KAR301, KAW301, KAR401, KAW401, KAR601, KAW601	25

• The pressure indication for the KPG20 model is only in MPa units. For PSI units, please contact us separately.

Specifications(external round gauge)

Model	Pressure range	Color	Applicable series	Weight(g)
KPG10-10T	0~1.0MPa	Black	KAR101, KAW101	16
KPG40-2T	0~0.2MPa (0~30psi)	Chrome	KAR201, KAW201, KAR301, KAW301	72
KPG40-4T	0~0.4MPa (0~60psi)	Chrome	KAR201, KAW201, KAR301, KAW301	72
KPG40-10T	0~1.0MPa (0~140psi)	Chrome	KAR201, KAW201, KAR301, KAW301	72
KPG40-20T	0~2.0MPa	Chrome	KAR201-17K	72
KPG40-40T	0~4.0MPa	Chrome	KAR201-27K	72
KVG40-1T	-10~0MPa	Chrome	KVR201	72
KPG40-2Q	0~0.2MPa	Chrome	KAR201, KAW201, KAR301, KAW301	82
KPG40-4Q	0~0.4MPa	Chrome	KAR201, KAW201, KAR301, KAW301	82
KPG40-10Q	0~1.0MPa	Chrome	KAR201, KAW201, KAR301, KAW301	82
KPG50-2T	0~0.2MPa (0~30psi)	Chrome	KAR401, KAW401, KAR601, KAW601	128
KPG50-4T	0~0.4MPa (0~60psi)	Chrome	KAR401, KAW401, KAR601, KAW601	128
KPG50-10T	0~1.0MPa (0~140psi)	Chrome	KAR401, KAW401, KAR601, KAW601	128
KPG50-20T	0~2.0MPa	Chrome	KAR301-17K	128
KPG50-40T	0~4.0MPa	Chrome	KAR301-27K	128

• Pressure gauges made of SUS material are available with 1MPa and 0.4MPa, please inquire separately.

Features

- Designed to measure pressures with **high accuracy** and repeatability.
- Large, easy-to-read dials and pointer indicators that make it easy to take **quick** and **accurate readings**.

Symbol



Detail catalog

BT, BI, BC, BL

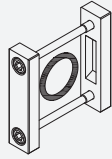
Bracket for FRL unit



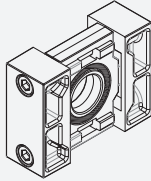
BT201 / BT301



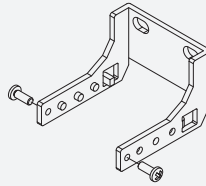
BT401 / BT601



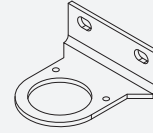
BI201 / BI301



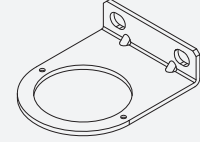
BI401 / BI601



BC201 / 301 / 401 / 601



BL201



BL301 / 401 / 601

Features

- Modular bracket can be **easily combine** various FRLs and other devices.
- **Good space utilization** with modular bracket making compact FRL combinations.
- BC and BL brackets have a simple structure, making it **easy to install**.

Bracket applicable FRL unit

Model	Applicable FRL unit
BT201	KAU201
BT301	KAU301
BT401	KAU401
BT601	KAU601
BI201	KAU201
BI301	KAU301
BI401	KAU401
BI601	KAU601
BC201	201 size of KAF, KAL, KAFM, KAF
BC301	301 size of KAF, KAL, KAFM, KAFU
BC401	401 size of KAF, KAL, KAFM, KAFU
BC601	601 size of KAF, KAL, KAFM, KAFU
BL201	201 size of KAR, KAW
BL301	301 size of KAR, KAW
BL401	401 size of KAR, KAW
BL601	601 size of KAR, KAW



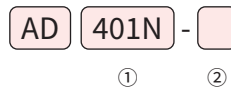
Detail catalog

AD201~401

Auto Drain Kit



How to order



① Size

201	For 1/4"
301N	For 3/8"
401N	For 1/2"

② Drain type

-	Auto drain, manual push
---	-------------------------

Specifications

Fluid	Compressed air, water
Max. Operating pressure	1.0MPa
Min. Operating pressure	0.15MPa
Proof pressure	1.5MPa
Fluid & ambient temperature	1.5 ~ 60°C (no freezing)
Drain port	Ø6 One touch fitting
Drain closing pressure	≥ 0.15MPa
Drain opening pressure	< 0.15MPa
Lubrication	Non-Lubrication

Features

- Continuously **automatically discharge** filtered moisture from compressed air.
- Equipped with a drain valve one-touch fitting for **easy piping** connection.
- Manually discharge** drains if necessary or in case of equipment malfunction.

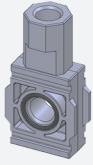
Symbol



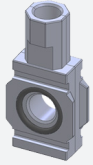
Detail catalog

TS201~401

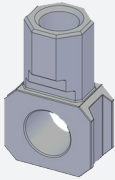
Distributor Blocks



TS201-01/02

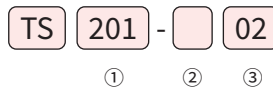


TS301-01/02



TS401-02/03

How to order



① Applicable unit model

201	For KAU201
301	For KAU301
401*	For KAU401

* TS401 type requires a separate spacer when combining.

② Port thread type

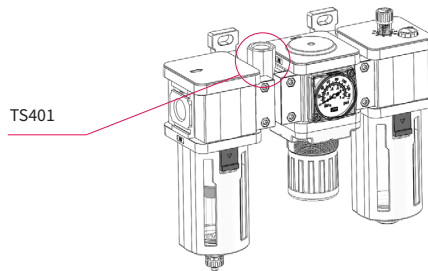
-	Rc(PT)
G	G
N	NPT

③ Port size

Code	Port size	TS		
		201	301	401
01	1/8"	●	●	
02	1/4"	●	●	●
03	3/8"			●

Features

- **Easily combine** various FRLs and other devices.
- **Reduce energy costs** by only distributing air where and when it is needed.
- Simply provides clean and dry compressed air without additional FRL unit, extending the life of air equipment.



Detail catalog