

# AIR PREPARATION



## Installation & Application Data

- 1 Before installing check components have not been damaged during transportation.
- 2 Check flow direction and thread type are correct.
- 3 Please note whether the installation conditions meet the technical requirements (such as working pressure & applied temperature range).
- 4 Use compressed air only.
- 5 Clean or change filter element regularly.
- 6 When the unit is dismantled use port plugs to stop dirt ingress into the unit.

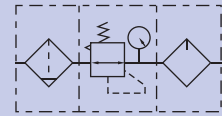
# AIR PREPARATION FILTER, REGULATOR & LUBRICATOR



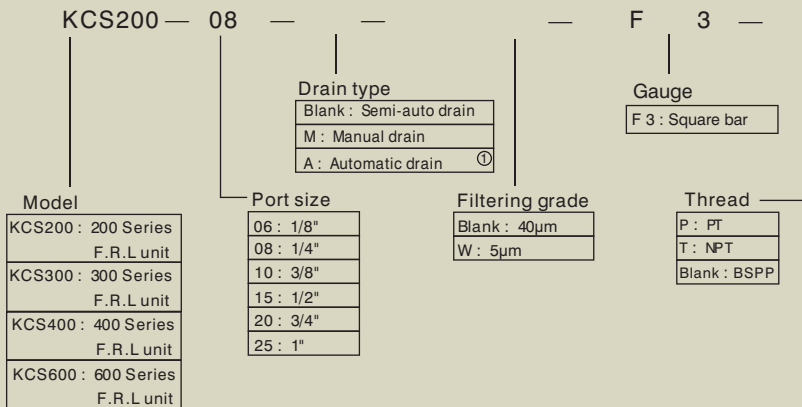
## Specification

Model	KCS200-06	KCS200-08	KCS300-08	KCS300-10	KCS300-15	KCS400-10	KCS400-15	KCS600-20	KCS600-25	
Fluid	Air									
Port	1/8"	1/4"	1/4"	3/8"	1/2"	3/8"	1/2"	3/4"	1"	
Micron	40 $\mu$ m or 5 $\mu$ m									
Pressure Range	Semi-Auto & Automatic Drain: 0.15~0.9MPa (20~130psi)									
	Manual Drain: 0.05~0.9MPa (7~130psi)									
Proof Pressure	1.5 MPa (215psi)									
Temperature Range	-5 to +60°C									
Capacity of Drain Bowl	10CC		40CC			80CC		230CC		
Capacity of Oil Bowl	25CC		75CC			160CC		380CC		
Recommended Lubricant	ISO VG 32 or equivalent									
Weight	580g		1300g			2360g		5550g		
	Filter	KFS200-06	KFS200-08	KFS300-08	KFS300-10	KFS300-15	KFS400-10	KFS400-15	KFS600-20	KFS600-25
Constitute	Regulator	KRS200-06	KRS200-08	KRS300-08	KRS300-10	KRS300-15	KRS400-10	KRS400-15	KRS600-20	KRS600-25
	Lubricator	KLS200-06	KLS200-08	KLS300-08	KLS300-10	KLS300-15	KLS400-10	KLS400-15	KLS600-20	KLS600-25

## Symbol



## Ordering Code

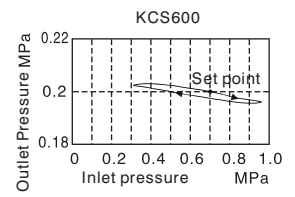
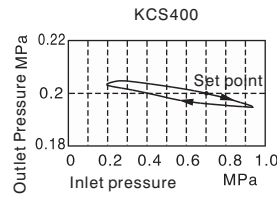
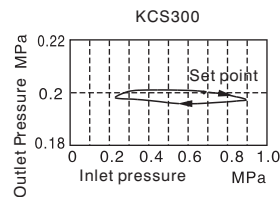
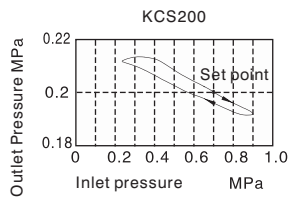


<sup>ⓐ</sup> The function of automatic drain is not available for KCS200 series

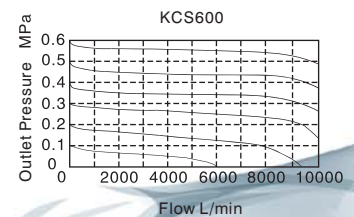
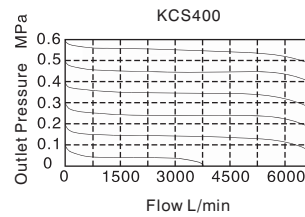
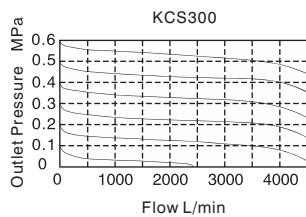
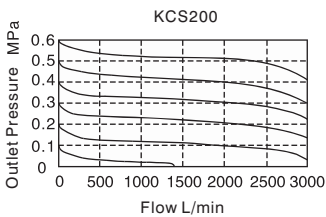
## Product Features

- 1 Gap seal structure makes oil supply adjustment more reliable.
- 2 The adjustment ring for the oil supply will revolve once through 360° thus oil supply can be gauged by the position of the graduated ring.
- 3 Oil is fed into the system by venturi nozzle.
- 4 Installation is quick and reliable.
- 5 Pressure adjustment is precise.
- 6 Filtration 40 micron or 5 micron.
- 7 Three drain types are available manual drain, semi-auto drain and automatic drain.

## Pressure Charts

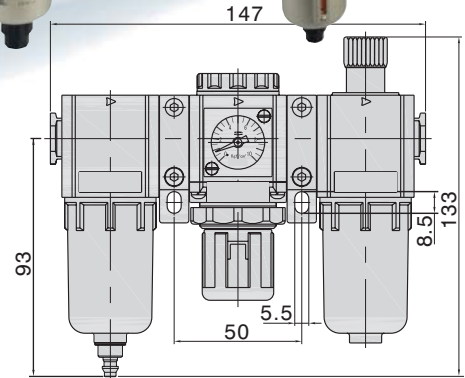
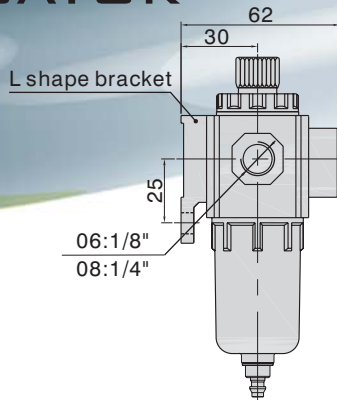


## Flow Charts (Inlet Pressure 0.7MPa)

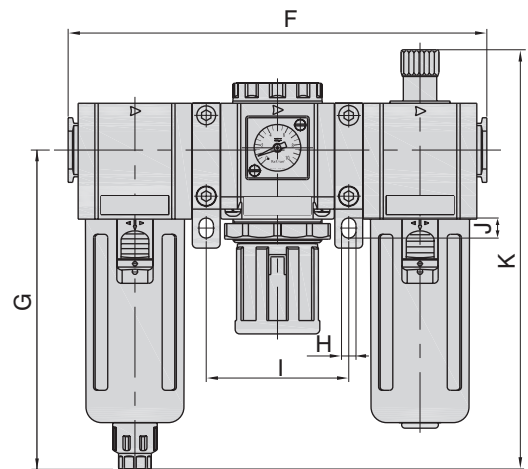
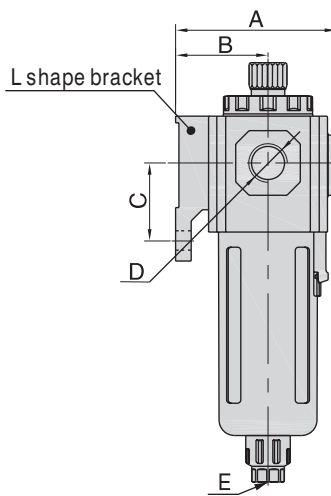


# AIR PREPARATION FILTER, REGULATOR & LUBRICATOR

Dimensions  
KCS200

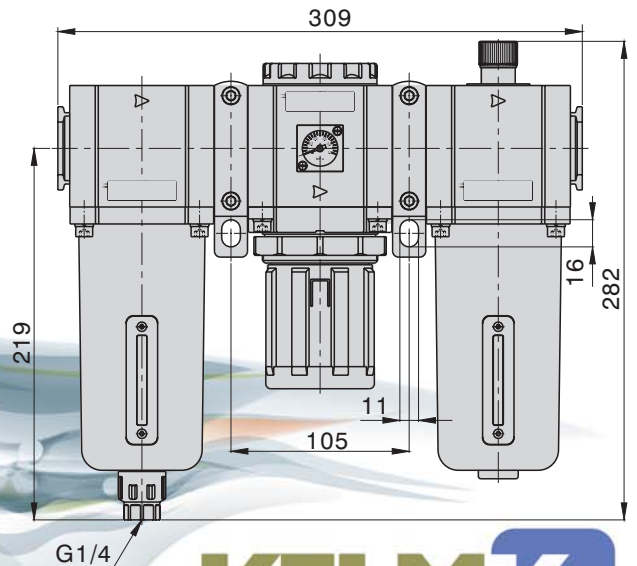
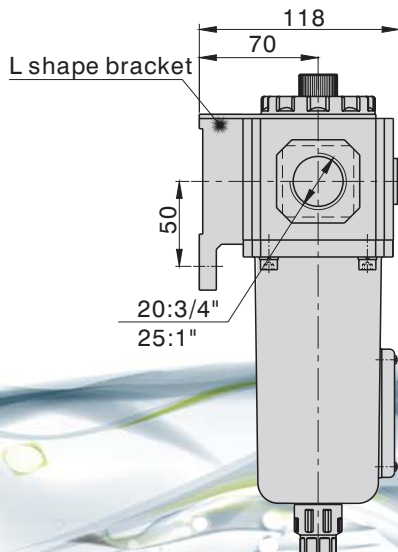


KCS300 & 400



Model/Item	A	B	C	D	E	F	G	H	I	J	K
GC300-08	72	41.5	35	1/4"	G1/8	188	143	6.5	64	9	188
GC300-10	72	41.5	35	3/8"	G1/8	188	143	6.5	64	9	188
GC300-15	72	41.5	35	1/2"	G1/8	188	143	6.5	64	9	188
GC400-10	89	50	40	3/8"	G1/4	248	166.5	8.5	84	12	216
GC400-15	89	50	40	1/2"	G1/4	248	166.5	8.5	84	12	216

KCS600

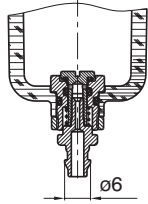
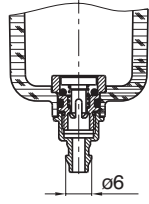
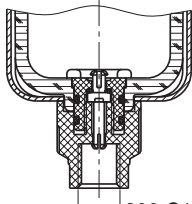
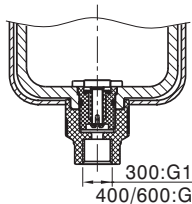
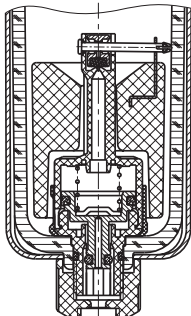




# AIR PREPARATION FILTER/REGULATOR

## Dimensions

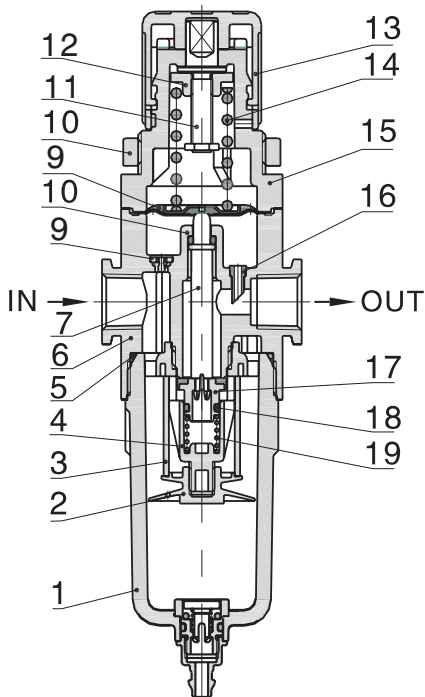
## Drain Options

200		300 / 400 / 600		
Manual Drain	Semi-auto Drain	Manual Drain	Semi-auto Drain	Automatic Drain
				
PU tube with an inner diameter of $\phi 5$ or $\phi 5.5$ mm is recommended		300:G1/8 400/600:G1/4	300:G1/8 400/600:G1/4	300:G1/8 400/600:G1/4

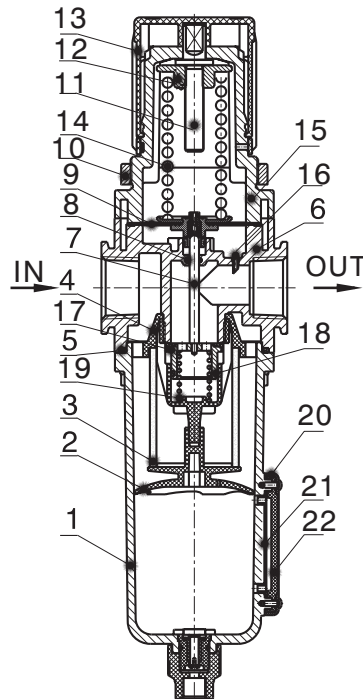
## Inner Structure

### KFRS200, 300 & 400

### KFRS600



Semi-Auto Drain



Semi-Auto Drain

No	Item	Material
1	Drain Bowl	Aluminum Alloy (600) PC (200/300/400)
2	Umbrella Baffle	High Viscosity POM
3	Filter Core	Bronze (40 $\mu$ m) Bronze (600) Makrolon fiber: (5 $\mu$ m)
4	Air Guider	High Viscosity POM
5	O-ring	NBR
6	Body	Aluminum Alloy
7	Adjusting Spool	Brass (600) POM (200/300/400)
8	O-ring	NBR
9	Diaphragm	SUS304 & Rubber
10	Fixation Ring Cap	Aluminum Alloy (600) PC (200,300,400)
11	Adjusting Spindle	Steel
12	Regulator Nut	Steel
13	Pressure Knob	POM
14	Spring	SWC
15	Adjusting Seat	Aluminum Alloy (600) PC (200,300,400)
16	Feedback Tube	POM
17	Adjusting Plug	Brass & Rubber
18	O-ring	NBR
19	Spring	SUS304
20	Liquid Meter Cover	SPCC
21	Liquid Meter Seal	VITON
22	Liquid Meter Inside Cover	PC