

Air Filters / Air Regulators

Air Filters

MSAF Air Filter

8A / 10A Dimensions: 53, 20, 135, 155, 2-Rc(PT), Ø6

8A-S Dimensions: 40, 35, 10, 90, 100, 2-Rc(PT)

JIS Symbol

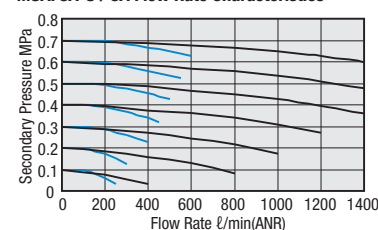
RoHS 10

ⓘ For the structural drawing, please refer to the Air Regulators with Filters on the P.3511.

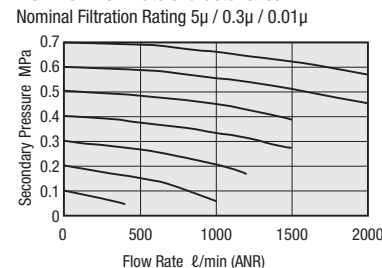
Characteristic Data

This graph shows that when the primary pressure is constant, the secondary set pressure drops according to the flow rate used.

MSAF8A-S / 8A Flow Rate Characteristics



MSAF10A Flow Rate Characteristics



Part Number Type	No.	Nominal Filtration Rating (µm)	Rc (PT)	Operating Pressure (Mpa)	Pressure Resistance (Mpa)	Ambient Temperature Range (°C)	Applicable Fluid	Mass (g)
MSAF	8A-S	40	1/4	0-1.0	1.5	5-60	Air	140
	8A	0.01						250
		0.3						270
	10A	0.01	250					
		0.3	270					

Air Regulators

MSR Regulators for Air

8A-S Dimensions: 35, 25, 47.5, 30, 26, 12.3, 33, 2-Rc(PT)1/8, 2-Rc(PT)1/4, Ø4.2

8A or 10A Dimensions: 53, 38, 60, 35, 37, 29.5, 23, 2-Rc(PT), Ø4.2, 2-6.5x8 Slotted Hole, Rc(PT)1/8

JIS Symbol

RoHS 10

ⓘ Regulator side view with Pressure Gauge (Accessories)
ⓘ For the structural drawing, please refer to the Air Regulators with Filters on P.3511.

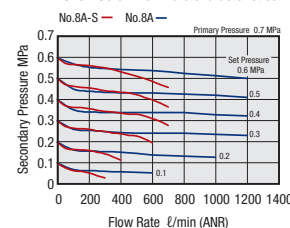
Accessories: Pressure Gauge 1 pc. Bracket 1 pc.

Part Number Type	No.	Rc (PT)	Operating Pressure (Mpa)	Set Pressure Range (Mpa)	Pressure Resistance (Mpa)	Ambient Temperature Range (°C)	Applicable Fluid	Mass (g)
MSR	8A-S	1/4	0.05-1.0	0.05-0.85	1.5	5-60	Air	250
	8A							420
	10A	3/8						

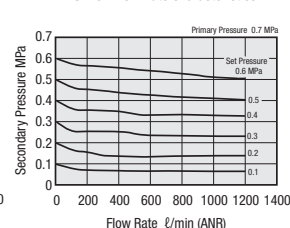
Characteristic Data

This graph shows that when the primary pressure is constant at 0.7 MPa, the secondary set pressure drops according to the flow rate used.

MSR8A-S / 8A Flow Rate Characteristics



MSR10A Flow Rate Characteristics



Part Number Example

Part Number - **Nomi. Filtration Rating**
MSAF8A-S - 40
MSR8A

One-Touch Articulated Connector / Resin Connectors Socket

Male / Female Set / Male Unit / Female Unit

One-Touch Articulated Connector - Male / Female Set

QCSW

Material: Polyacetal
Accessories: T / H-Type Connector Band (2 pcs. each)

How to Use

Vertical Connection: Threaded Body, Tapped Body, Hex Wrench, T Type Connector Band, Lock Pin

Horizontal Connection: H Type Connector Band

Part Number Type	D ₁	D ₂	B ₁	B ₂	B ₃	L ₁	L ₂	C ₁	C ₂	F ₁	F ₂	J	Effective Sectional Area (mm ²)	Mass (g)
QCSW	4	4	36.7	14.1	22.6	22	12	11	11	11.8	13.8	10	4.2	11
	6	6	37.5	14.5	23	22	12	11.6	11.6	12.2	13.8	10	10.4	11
	8	8	53.9	20.7	33.2	29	17	18.1	18.1	17.2	19.5	14	10.9	31

One-Touch Articulated Connector - Male Unit

QPQA

Material: Polyacetal
Accessories: T / H-Type Connector Band (2 pcs. each)

Part Number Type	D	B	L ₁	L ₂	C	F	J	Mass (g)
QPQA	4	14.1	22	12	11	11.1	10	4.7
	6	14.5	22	12	11.6	11.5	10	4.8
	8	20.7	29	17	18.1	17.2	14	14

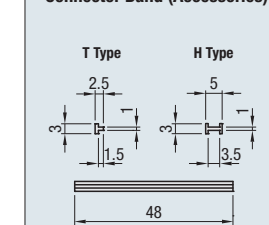
One-Touch Articulated Connector - Female Unit

QPQB

Material: Polyacetal
Accessories: T / H-Type Connector Band (2 pcs. each)

Part Number Type	D	B	L ₁	L ₂	C	F	J	Mass (g)
QPQB	4	22.6	22	12	11	11.8	10	5.8
	6	23.0	22	12	11.6	12.2	10	6.2
	8	33.2	29	17	18.1	17.2	14	17

Connector Band (Accessories)



Specifications

Applicable Fluid	Air
Operating Temperature Range	0-60°C
Max. Operating Pressure	0.9 MPa
Operating Vacuum Level	-100 kPa

Feature (One-Touch Articulated Connector)

- Able to attach and detach multiple tubes at a time.
- Able to combine multiple connectors using connector bands.

Cautions

- For the combination of threaded and tapped connectors, Ø4 and Ø6 are available, but Ø8 is not available.
- Make sure to lock the lock pin at the center of the body with a flathead screwdriver or hexagonal wrench after attaching the male and female bodies.
- Max. 4 pcs. are attachable vertically or horizontally.

Resin Connectors Socket

JCPS

Material: Polyacetal

Part Number Type	D	B	C	Effective Sectional Area (mm ²)	Mass (g)
JCPS	6	54.8	17	11.5	23
	8	54.7	18.1	19.8	24
	10	59.8	20.2	22.6	28

Resin Connectors Threaded

JCPP

Material: PBT Polybutylene Terephthalate

Part Number Type	D	B	P	C	Effective Sectional Area (mm ²)	Mass (g)
JCPP	6	38.8	16	17	12.5	7
	8	38.7	16	18.1	23.3	7
	10	45.2	20	20.2	33.8	13

ⓘ When JCPS and JCPP is combined, fluid only flows in sole direction from socket to plug. ⓘ Not usable in combination with connectors described P.3515.

Part Number Example

Part Number **JCPP6**

Graphic Symbol

Built-in stop mechanism.

Structure Diagram

No.	Name of Parts	Material (Surface Treatment)
(1)	Sleeve Spring	Stainless Steel
(2)	Ball Holder	POM / Polyacetal
(3)	Socket Body	POM / Polyacetal
(4)	Sleeve	POM / Polyacetal
(5)	Lock Ball	Stainless Steel
(6)	O-Ring	NBR, Nitrile Rubber
(7)	Valve Body Seal	NBR, Nitrile Rubber
(8)	Valve Body	POM / Polyacetal
(9)	Body	Glass Fiber Filled PBT
(10)	Valve Body Spring	Stainless Steel
(11)	Valve Body Guide	POM / Polyacetal

No.	Name of Parts	Material (Surface Treatment)
(12)	Lock Pawl	Stainless Steel
(13)	Release Ring	POM / Polyacetal
(14)	Tube	Polyurethane - Nylon, etc.
(15)	Guide Ring	Brass (Electroless Nickel Plating)
(16)	Elastic Sleeve	NBR, Nitrile Rubber
(17)	Plug Body	Glass Fiber Filled PBT

Specifications

Applicable Fluid	Air
Operating Temperature Range	0-60°C
Max. Operating Pressure	0.9 MPa
Operating Vacuum Level	-100 kPa