

### Ordering code

BSL 01 □



① Silencer Type	② Thread connection	③ Standard color		
BSL: Universal silencer BSLM: Mini Silencer BESL: Throttling silencer PAL: Plastic silencer PALM: Mini plastic Silencer	01 : 1/8" 02 : 1/4" 03 : 3/8" 04 : 1/2"	Type	Color code	Color definition
		PAL, PALM	Blank: grey D: Black	Top cover: grey/Body: grey Top cover: black/Body: black
		Others	No such code	

### Product feature

#### BSL, BSLM, BESL Series :

1. This silencers have excellent noise silencing performance.
2. The installation of the silencer is simple and convenient, and the connecting portion is reliable and durable.
3. It is easy to adjust the exhaust flow of the throttling type silencer.

#### PAL Series, PALM Series :

1. The silencer body is made of plastic.
2. The mini type silencer has the characteristics of small volume and compact structure.

### Configuration table of tubing thread

Product series	Thread connection			
	01	02	03	04
BSL	•	•	•	•
BSLM	•	•	•	•
BESL	•	•	•	•
PAL	•	•	•	•
PALM	•	•	•	•

### Specification

Model	BSL01	BSL02	BSL03	BSL04		BSLM01	BSLM02	BSLM03	BSLM04	
Thread connection	1/8"	1/4"	3/8"	1/2"		1/8"	1/4"	3/8"	1/2"	
Silencing effect(dB)(0.5MPa)	13	13	13	13		13	13	13	13	
Model	BESL01	BESL02	BESL03	BESL04	PAL01	PAL02	PAL03	PAL04	PALM01	PALM02
Thread connection	1/8"	1/4"	3/8"	1/2"	1/8"	1/4"	3/8"	1/2"	1/8"	1/4"
Silencing effect(dB)(0.5MPa)	13	13	13	13	25	25	25	25	25	25
Operating pressure	0~10kgf/cm <sup>2</sup> (0~1.0MPa)									
Negative pressure	-750mmHg(10Torr)									
Proof pressure	1.5MPa									
Temperature range	-20~70°C									

### Inner structure

**BSL Series**

Sound absorbing cover  
Brass particle sintered

Silencer body  
(Aluminum alloy)

**BESL Series**

**PAL Series**

Silencer top cover  
(POM)

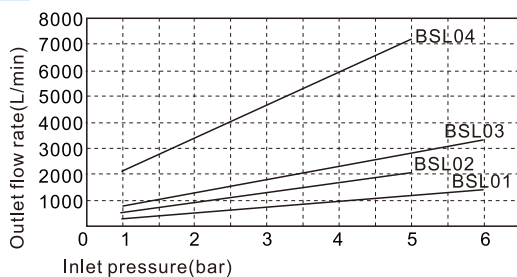
Silencer body  
(POM)

Silencer filter element  
(Polyethylene fiber)

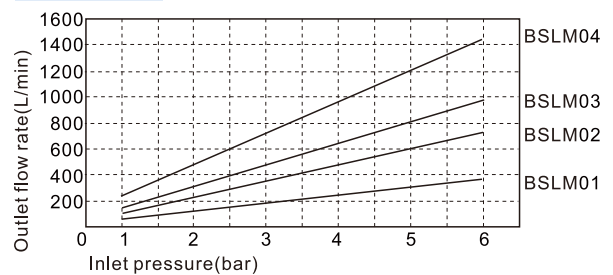
NO.	Name	Material
1	Adjusting cap	Aluminum alloy
2	Throttling column	Aluminum alloy
3	Locking cap	Aluminum alloy
4	Locking ring	Aluminum alloy
5	Silencer ring	Brass particle sintered
6	Silencer body	Aluminum alloy

### Flowrate characteristic

#### BSL Series



#### BSLM Series

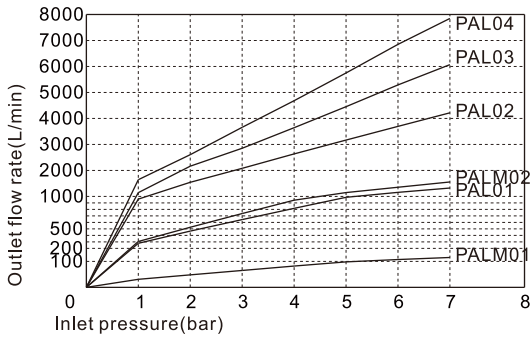


# Accessories—Silencers

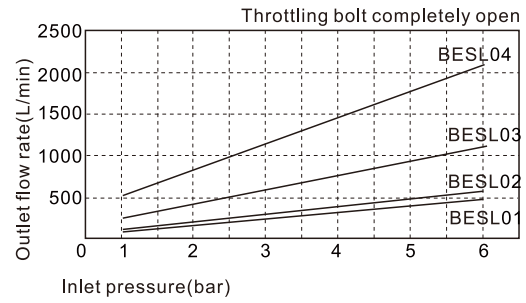
BSL, BSLM, BESL, PAL, PALM series

## Flowrate characteristic

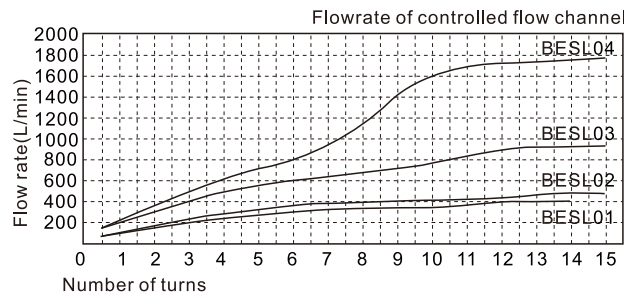
PAL, PALM Series



BESL Series (Inlet pressure and outlet flow rate)

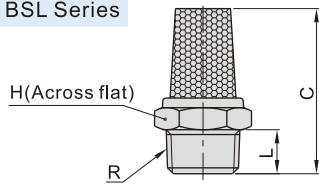


BESL Series



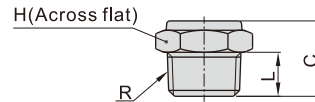
## Dimensions

BSL Series



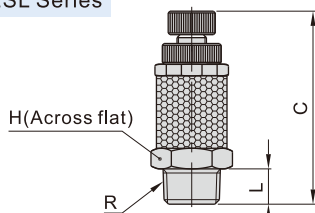
Model/Item	R	L	C	H	Weight(g)	PCS/bag
BSL01	PT1/8	6	24	12	6.7	10
BSL02	PT1/4	8	30	15	11.6	10
BSL03	PT3/8	9	38.5	19	22	10
BSL04	PT1/2	10.5	46	22	35	10

BSLM Series



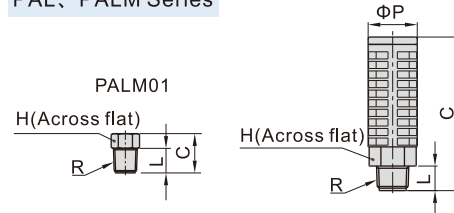
Model/Item	R	L	C	H	Weight(g)	PCS/bag
BSLM01	PT1/8	6	11	12	4.3	10
BSLM02	PT1/4	8	13.5	15	8.4	10
BSLM03	PT3/8	9	15.5	19	15.8	10
BSLM04	PT1/2	10.5	19	22	25.9	10

BESL Series



Model/Item	R	L	C		H	Weight(g)	PCS/bag
			max	min			
BESL01	PT1/8	6	40.5	33	12	10	10
BESL02	PT1/4	8	42.5	35	14	18.1	10
BESL03	PT3/8	9	49	41.5	17	31.1	10
BESL04	PT1/2	10.5	59.5	52	24	69.8	10

PAL, PALM Series



Model/Item	R	ΦP	L	C	H	Weight(g)	PCS/bag
PAL01	PT1/8	16	7	33	14	4.2	10
PALM01	PT1/8	/	10	16	10	0.9	10
PAL02	PT1/4	20	10	62.5	17	10.7	10
PALM02	PT1/4	16	10	36	14	5.1	10
PAL03	PT3/8	26	12	68	24	20	10
PAL04	PT1/2	28	12	73	24	23.1	10