

Accessories—Silencers

BSL, BSLM, BESL, PAL, PALM series



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, PALM series

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

Ordering code

BSL 01

Silencer Type		Standard color	
BSL: Universal silencer		Type	Color code
BSLM: Mini Silencer		PAL	Blank: grey
BESL: Throttling silencer		PALM	D: Black
PAL: Plastic silencer		Others	No such code
PALM: Mini plastic Silencer			

Thread connection	
M5: M5 × 0.8	
01: 1/8"	
02: 1/4"	
03: 3/8"	
04: 1/2"	

Configuration table of tubing thread.

Product series	Thread connection			
	M5	01	02	03
BSL	●	●	●	●
BSLM	●	●	●	●
BESL		●	●	●
PAL		●	●	●
PALM		●	●	

Specification

Model	BSLM5	BSL01	BSL02	BSL03	BSL04	BSLMM5	BSLM01	BSLM02	BSLM03	BSLM04
Thread connection	M5 × 0.8	1/8"	1/4"	3/8"	1/2"	M5 × 0.8	1/8"	1/4"	3/8"	1/2"
Silencing effect(dB)	15	10	10	10	10	15	12	12	12	12

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)	10	10	10	10	25	25	25	25	25	25
Operating pressure	0-9kgf/cm ² (0-0.9MPa)									
Negative pressure	-750mmHg(10Torr)									
Proof pressure	1.5MPa									
Temperature range	0-60°C									

Dimensions

BSL series

Model\Item	R	L	C	H(Across flat)
BSLM5	M5 × 0.8	3.5	19.5	8
BSL01	1/8"	6	24	12
BSL02	1/4"	8	30	15
BSL03	3/8"	9	38.5	19
BSL04	1/2"	12	47.5	22

BSLM series

Model\Item	R	L	C	H(Across flat)
BSLMM5	M5 × 0.8	3.5	9.5	8
BSLM01	1/8"	6	11	11
BSLM02	1/4"	8	13.5	15
BSLM03	3/8"	9	15.5	19
BSLM04	1/2"	12	20.5	22

BESL series

Model\Item	R	L	C		H(Across flat)
			max	min	
BESL01	1/8"	6	40.5	33	12
BESL02	1/4"	8	42.5	35	14
BESL03	3/8"	9	49	41.5	17
BESL04	1/2"	12	61	53.5	24

PAL, PALM series

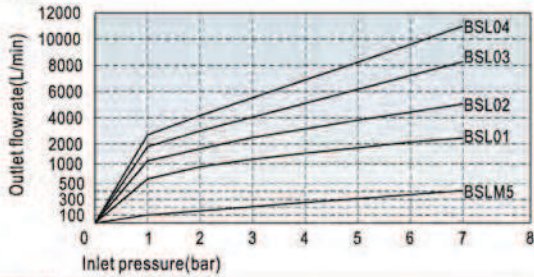
Model\Item	R	ΦP	L	C	H(Across flat)
PAL01	1/8"	16	7	33	14
PALM01	1/8"	-	10	16	10
PAL02	1/4"	20	10	62.5	17
PALM02	1/4"	16	10	36	14
PAL03	3/8"	26	12	68	24
PAL04	1/2"	28	12	73	24

Accessories—Silencers

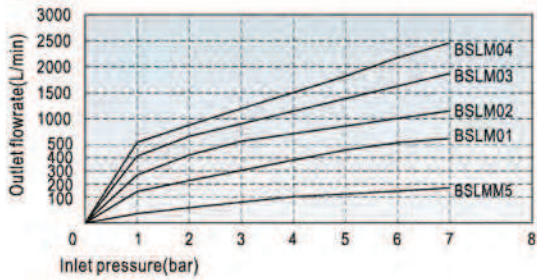
BSL, BSLM, BESL, PAL, PALM series

Flowrate characteristic

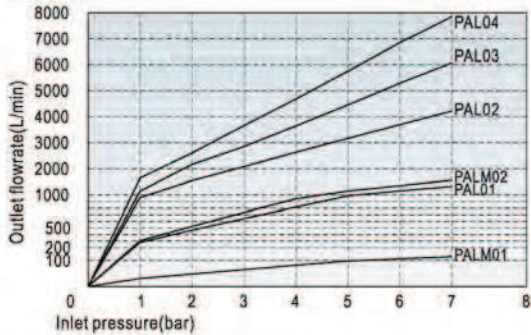
BSL series



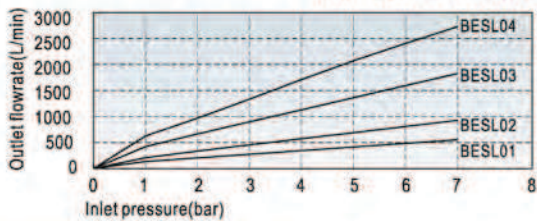
BSLM series



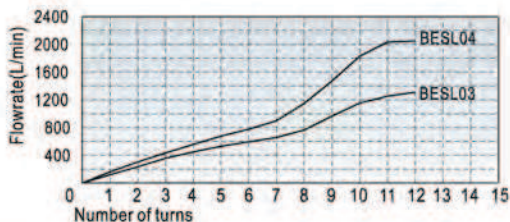
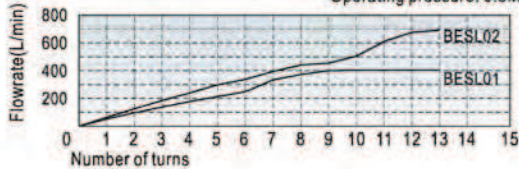
PAL, PALM series



BESL series (inlet pressure and outlet flowrate) Throttling bolt completely open

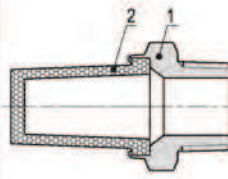


BESL series (Flowrate of controlled flow channel) Operating pressure: 0.5MPa



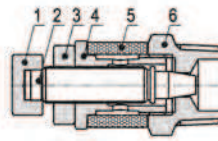
Inner structure

Model: BSL



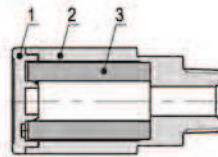
NO.	Name	Material
1	Body	HPb59-1
2	Sound absorbing cover	Copper particle sintered

Model: BESL



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	Copper particle sintered
6	Silencer body	Brass

Model: PAL



NO.	Name	Material
1	Silencer top cover	POM
2	Silencer body	POM
3	Silencer filter element	Polyethylene fiber



Silencer

