

MUFFLERS Made of Plastic

M3 × 0.5 ~ R1/2

- Offer superior noise suppressing effect.
- Low resistance to air flow, thus avoiding adverse effects on equipment operations.
- Compact and lightweight, for easy mounting.
- Offer a long operating life. Elements do not corrode over time, and maintain superior moisture and oil resistance.
- Cleaning with petroleum, etc., is a simple operation.

Symbol



Specifications

Item		Model	KM-03	KM-05	KM-10	KM-11	KM-22	KM-23	KM-31	KM-41
Port size			M3 × 0.5	M5 × 0.8	R1/8		R1/4		R3/8	R1/2
Media			Air							
Operating pressure range		MPa [psi.]	0 ~ 0.7 [0 ~ 102]			0 ~ 0.9 [0 ~ 131]				
Proof pressure		MPa [psi.]	0.9 [131]			1.1 [160]				
Operating temperature range		°C [°F]	5 ~ 60 [41 ~ 140]							
Materials	Body		Polyacetal (Duracon)							
	Element		Expanded polyethylene (filtration rating 10 μm)	Polyvinyl alcohol resin (sponge, filtration rating 5 μm)	Sintered polyethylene (filtration rating 20 μm)		Sintered polyethylene (filtration rating 40 μm)		Sintered polyethylene (filtration rating 20 μm)	
Effective area	mm ² [Cv]		1.0 [0.06]	4.0 [0.22]	5.5 [0.31]	15 [0.83]	21 [1.17]	43 [2.39]	65 [3.61]	74 [4.11]
Noise suppressing effect	dB		15 ^{Note}	13 ^{Note}	7	18	18	18	27	34
Mass	g [oz.]		0.5 [0.018]	1.0 [0.035]	0.9 [0.032]	4 [0.14]	4.5 [0.16]	18 [0.63]	19.5 [0.69]	22 [0.78]
Sales unit			One pack (10 pcs.)							

Note: Values at air pressure of 0.5MPa [73psi.] with installation in solenoid valve. (Solenoid valve used: **KM-03** for **040-4E1**, **KM-05** for **050-4E1**)

Item		Model	KM-J6	KM-J8	KM-J10	KM-J12
Port size			φ 6	φ 8	φ 10	φ 12
Media			Air			
Operating pressure range		MPa [psi.]	0 ~ 0.7 [0 ~ 102]			
Proof pressure		MPa [psi.]	0.9 [131]			
Operating temperature range		°C [°F]	5 ~ 60 [41 ~ 140]			
Materials	Body		Polyacetal (Duracon)			
	Element		Polyvinyl alcohol			
Effective area	mm ² [Cv]		9.8 [0.54]	21 [1.17]	25 [1.39]	42 [2.33]
Noise suppressing effect	dB		23	33	35	28
Mass	g [oz.]		1.3 [0.046]	3.9 [0.138]	6.5 [0.23]	9 [0.32]
Sales unit			One pack (10 pcs.)			