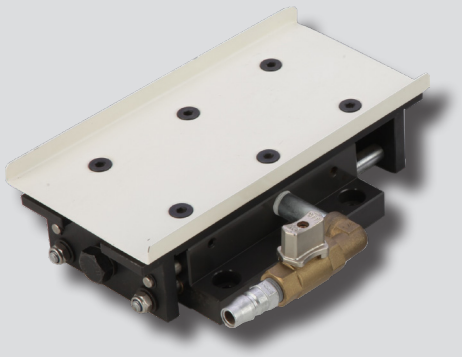
KSM series



Features

- Less mechanical noise.
- Simple and convenient installation.
- Provides efficient transport and feed through air intake and emission using spool valve.
- Maximum 8°upward transport depending on weight and frictional coefficient, using inertia.
- Applicable in various working environments (press, injection, product screening, product transport).
- Convenient re-installation with tray structure.
- Effective for narrow (minimum 15 mm), deep and wide areas with tray structure.
- Capable of installing several trays with one machine.
- Convenient post-management with simple components.

How to Order

KSM - 12
① ②

① Series

KSM	Air transporter

② Mechanical capacity

12	12kg
24	24kg
48	48kg
100	100kg

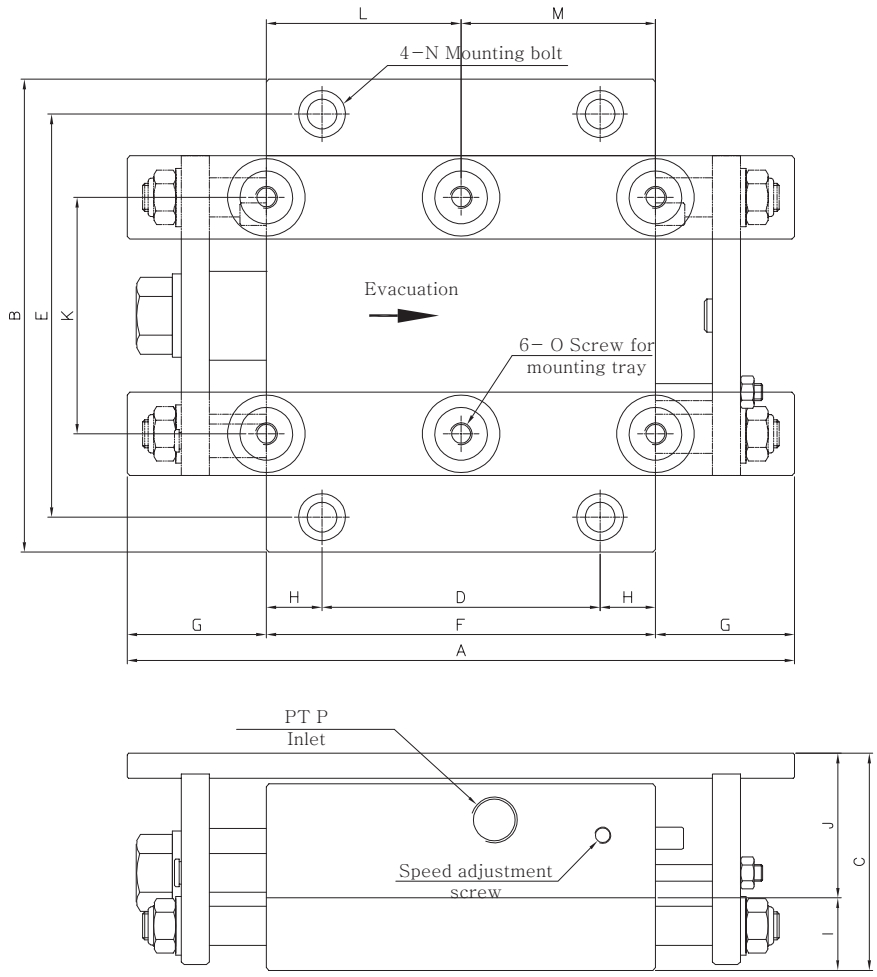
Specifications

Model		KSM-12	KSM-24	KSM-48	KSM-100
Working pressure	kgf/cm²	4.5~5.5			
Mechanical capacity	kg	12	24	48	100
Air pressure consumption	L/min	12	32	46	130
Noise	db-A	68	68	68	69
Max. stroke	mm	24	25	26	27
Max. tray weight	kg	2.9	4.2	5.8	20
Recommended strokes per minute	SPM	120	110	110	110
Weight	kg	2.5	4.0	6.5	18.2

Installation

1. AIR LINE : MAIN AIR LINE → DRAIN →3 POINT COMBINATION(AIR UNIT) → TRANSPORTER
   Install the ON/OFF valve at a safe area.
2. Pneumatic oil: Turbine oil (class1), ISO VG32 or equivalent. About 1 drop per minute
3. Air pressure range:4-6㎏/cm² Recommended air pressure:5㎏/cm²
4. Efficient release may be interrupted if the maximum tray weight is exceeded.
5. The upper bolt surface shall be lower than the tray surface when assembling the tray with bolts.
   TRAY MOUNTING BOLT : CS M6 & M8-6EA
6. Bearings or a material with low frictional coefficient shall be used to reinforce the lower part of the tray in order to ensure efficient horizontal movement when the tray is long and wide.
7. The contact surface area shall be minimized when using excess punching oil because the adhesion force between the top surface of the tray and the material increases due to airtightness.
8. Optimum release can be attained by controlling air pressure using speed controller and air pressure controller installed at the side of the transporter. ·SPM : 120~100 SPM
9. Impurities shall be removed at least once a month from the noise suppressor installed at the lower part of the transporter.
10. If the transporter does not move, smoothly push the tray for efficient operation.
11. Transport speed: 8-10m/min
12. Maximum tray installation inclination (upward): 8。
13. Free transport A/S: 1 year
14. Higher SPM may affect the O-ring inside the transporter and the increase of the transport speed is limited. Apply recommended SPM.

Dimensions



Unit:mm

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
KSM-12	200	125	46	90	105	120	40	15	16	30	58	60	60	M8	M6	1/4"
KSM-24	215	140	65	100	120	130	42.5	15	20	45	70	65	65	M8	M8	1/4"
KSM-48	240	170	78	100	145	140	50	20	26	52	85	70	70	M10	M8	3/8"
KSM-100	290	300	102	140	270	180	55	20	35	67	200	90	90	M10	M8	3/8"