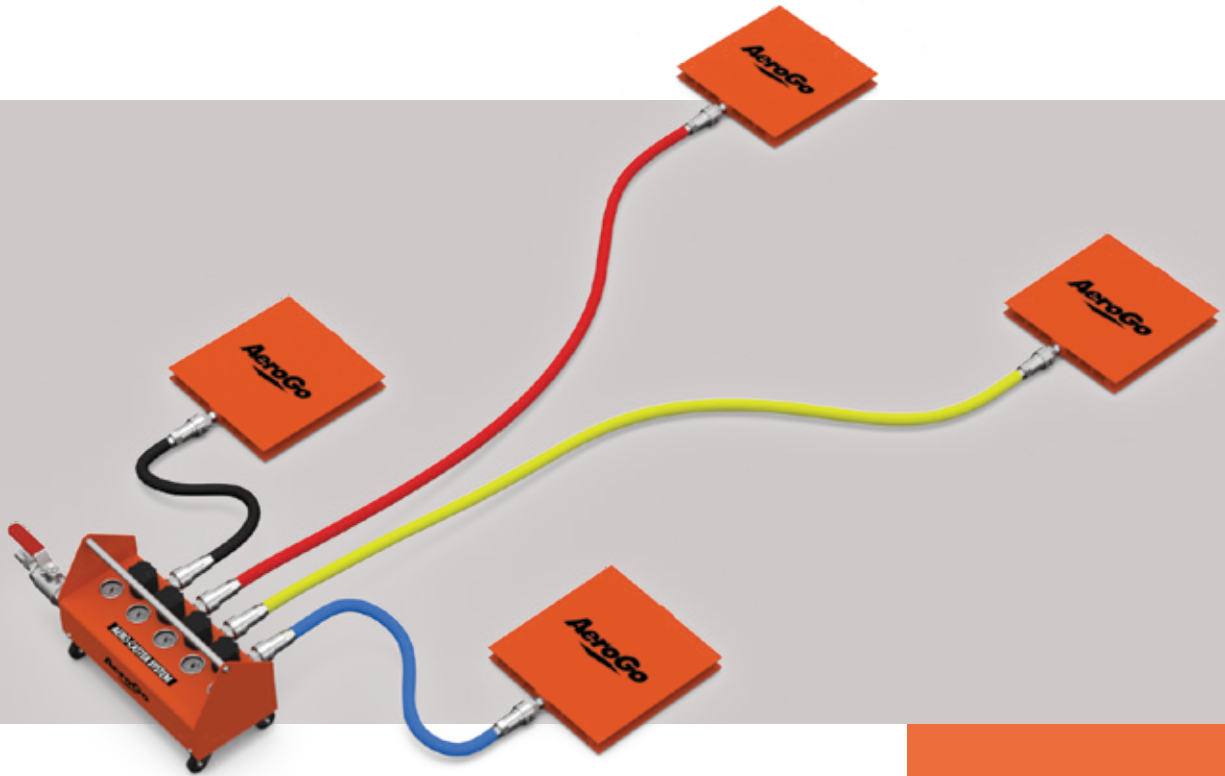


Move heavy loads smoothly over floor gaps & steps



AeroGo® Gapmaster™ Air Caster Systems take advantage of the efficiency of air casters, a fluid film technology, which utilize compressed air to actually float heavy loads on a near-frictionless film of air.



Load Movement Across Steps and Gaps in Floors

Gapmaster systems utilize a specially developed perforated membrane to meter the rate of airflow to the Aero-Caster which optimizes the movement of heavy loads across small steps and gaps in floors.

Superior Load Distribution

Air casters distribute load weight over a much greater surface area than rollers or wheels. This eliminates floor surface damage and the need for specially reinforced floors.

Typical Gapmaster applications:

- | | |
|--|--------------------------|
| • Autoclave loading | • Machine tool beds |
| • Cleanrooms | • Semiconductor assembly |
| • Elevators – moving loads in and out | • Pit covers |
| • Entertainment industry (stage sets, theatre seating) | • Raised flooring |
| | • T-slot floors |
| | • Wood floors |

Advantages to Moving Heavy Loads with Air Caster Technology:

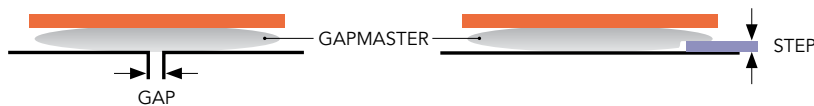
- Low profile
- Low friction
- Economical and reliable
- Omnidirectional multi-positioning
- Flexible for a variety of applications
- Precise positioning without floor damage compared to traditional material handling equipment methods
- Ergonomic – reduces lift hazards
- Utilizes existing shop air
- Aero-Casters meet ASME specifications

Standard Specification

Model #	System Capacity (lbs)	Rated Pressure (psig)	System Air Flow		Effective Lift (in.)	Air Caster Element Nominal Dimensions L x W x H (in.)
			1/4 Load (SCFM)	Full Load (SCFM)		
4K12GL	4,800	15	36	60	1	12-1/8 x 12-1/8 x 2
4K15GL	8,000	15	44	72	1-3/8	15-1/8 x 15-1/8 x 2
4K21GL	16,000	15	48	80	1-7/8	21-1/8 x 21-1/8 x 2
4K15GHDL	18,400	35	56	120	1-3/8	15-1/8 x 15-1/8 x 2
4K27GL	28,000	15	56	100	2	27-1/8 x 27-1/8 x 2-7/16
4K21GHDL	32,000	30	64	140	1-5/8	21-1/8 x 21-1/8 x 2
4K36GL	48,000	15	68	120	2-1/4	36-1/8 x 36-1/8 x 2-11/16
4K27GHD	66,000	35	80	180	1-3/4	27-1/8 x 27-1/8 x 2-7/16
4K36GHD	96,000	30	104	240	2	36-1/8 x 36-1/8 x 2-11/16

Metric Specification

Model #	System Capacity (kg)	Rated Pressure (kg/cm ²)	System Air Flow		Effective Lift (mm)	Air Caster Element Nominal Dimensions L x W x H (mm)
			1/4 Load (L/sec)	Full Load (L/sec)		
4K12GL	2,176	1.1	16.8	28	25	308 x 308 x 51
4K15GL	3,628	1.1	20.8	34	35	384 x 384 x 51
4K21GL	7,256	1.1	22.8	38	48	537 x 537 x 51
4K15GHDL	8,344	2.5	26.4	57	35	384 x 384 x 51
4K27GL	12,700	1.1	26.4	47.2	51	689 x 689 x 62
4K21GHDL	14,512	2.1	30.4	66	41	537 x 537 x 51
4K36GL	21,768	1.1	32	7	57	918 x 918 x 68
4K27GHD	29,932	2.5	37.6	85	44	689 x 689 x 62
4K36GHD	43,536	2.1	49.2	113	51	918 x 918 x 68



A perforated membrane encloses the Gapmaster air caster and meters the rate of airflow. Upon encountering a gap, rapid outflow of air is prevented by the metering action of the membrane. Since the load is actually floating over the surface, the potential for floor damage is substantially reduced. See table for maximum step and gap specifications.

Gapmaster Load Modules

Gapmaster Heavy-Duty Load Modules

	K12G / K15G / K21G	K27G	K36G	K15GHD	K21GHD	K27GHD / K36GHD / K36G
Max. Step (in.)	0.25	0.38	0.38	0.08	0.13	0.2
Max. Gap (in.)	0.6	0.8	0.8	0.6	0.75	0.6