

AP SERIES AIR SUSPENSION VIBRATION ISOLATORS



APPLICATIONS:

- Semiconductor fabrication and wafer inspection
- LCD manufacture and inspection
- Electron Microscopy
- Optical Inspection
- SEMs/TEMs
- Other Precision equipments

Item	Model	AP-80	AP-100	AP-120	AP-140	AP-160
Natural frequency		Vertical / Horizontal: 2.5~3.0Hz				
Vibration isolation method		Air spring				
Damping method		Air damping using orifices				
Leveling method		Automatic levelers keep the surface table level automatically (graduation $\pm 200\mu\text{m}$)				
Size(WxDxH mm)		170x170x185	180x180x185	200x200x185	210x210x185	240x240x185
Weight(Kg) /1pc		10.5	14	15	19	21
Max Loading(kg)(4pcs/set)		560	880	1200	1700	2200
Screw hole pitch(mm)		150x150	160x160	176x176	186x186	210x210
Screw hole Diameter(mm)		10	10	10	10	13
Air pressure requirement		0.40~0.70MPa				

Item	Model	AP-180	AP-200	AP-230	AP-270	AP-330	AP-380
Natural frequency		Vertical / Horizontal:2.5~3.0Hz					
Vibration isolation method		Air spring					
Damping method		Air damping using orifices					
Leveling method		Automatic levelers keep the surface table level automatically (graduation $\pm 200\mu\text{m}$)					
Size(WxDxH mm)		250x250x185	260x260x185	300x300x185	380x380x185	410x410x185	430x430x185
Weight(Kg)/1pc		27.5	32	43.5	52	67.5	90
Max Loading(kg)(4pcs/set)		2800	3600	4600	6400	9600	13000
Screw hole pitch(mm)		230x230	230x230	270x270	290x290	340x340	400x400
Screw hole Diameter(mm)		13	13	13	13	13	13
Air pressure requirement		0.40~0.70MPa					