

## EFFBE Levelmount®

### Air Damped System (ADS-IC)



Low-frequency diaphragm air spring with integrated electro-pneumatic level control for effective vibration isolation and decoupling of highly sensitive equipment and processes.

#### Overview

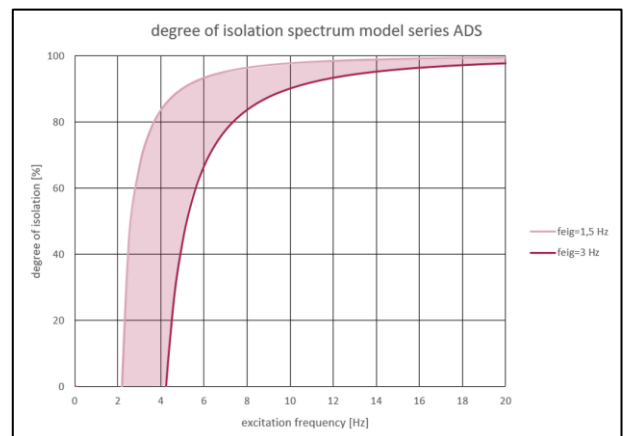
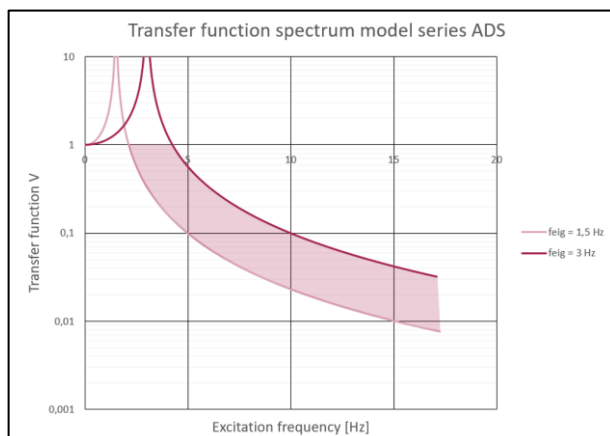
- Diaphragm air spring made of aluminium
- Natural frequency 1.5-3 Hz
- Various sizes (up to 26 kN per element)
- Levelling of  $\pm 6$  mm possible
- Electro-pneumatic control unit with interface to ALC software and digital inputs and outputs

#### Area of application

Vibration isolation and level control for

- Microscopes
- Precision manufacturing technology
- Measurement and testing machines
- Scientific devices/equipment

#### Performance

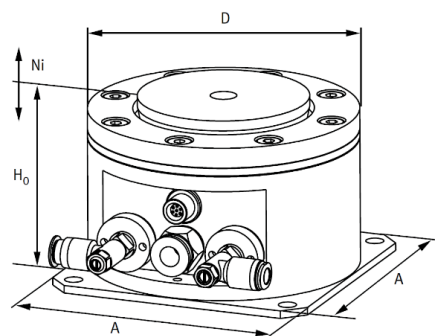




- 1 ADS with control cable and pressure supply
- 2 ADS with pendulum for increased vertical decoupling

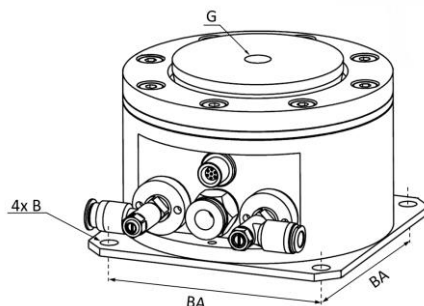
## Max. Load and dimensions

Type	D [mm]	H <sub>0</sub> [mm]	Ni [mm]	A [mm]	Max. Load [kN]
ADS 3	105	90	+/- 5	106	1,8
ADS 6	127	70/90	+/- 6	130	2,8
ADS 12	175	90		175	6,0
ADS 24	245			255	13,0
ADS 48	338			343	26,0



## Connection dimensions

Type	G [mm]	B [mm]	BA [mm]
ADS 3	M12	7	89
ADS 6			108
ADS 12			153
ADS 24	M16	14	215
ADS 48			305



## Connection and environmental conditions

Power supply	100V-240V AC, 50/60 Hz, max. 0.6 A
Pressur supply	6 bar
Environmental temperature	0°C to 50°C
Humidity	< 80 %

## Assembly instructions

The air spring elements must be completely covered. Otherwise, it is mandatory to use a mounting plate.

