

## Pneumatic Units

A Complete System Brings Comfort to Aircraft Seats

### Two Models to Fit Your Seats

Astronics PGA's Pneumatic Unit enables you to provide a complete set of comforts in your upscale airplane seats. Adjustable firmness levels plus massage features ensure passengers feel pampered while enjoying the amenities of the flight.

### The Pneumatic Unit

#### Comfort and reliability

Reduce your passengers' stress and fatigue with the Pneumatic Unit. The system inflates and deflates up to two air bladders for the angle adjustment or massage modes that are controlled by the ECU.

#### Full system options

Astronics PGA also offers a full lumbar system, comprised of the

Pneumatic Unit, pipes and bladders, all packaged in one convenient, tested system.

#### Easy integration

The Pneumatic Unit is easily installed in the backrest of any type of seat platform. All orientations have been certified.

### The Slim Lumbar Unit

#### Compact and active massage

The Slim Lumbar Unit (SLU) uses active deflation for a real-time reactive massage. This extremely compact size and light weight unit enables easy integration in any seat model.

#### Full system options

Like the Pneumatic Unit, Astronics PGA can provide the SLU as part of a complete lumbar system including

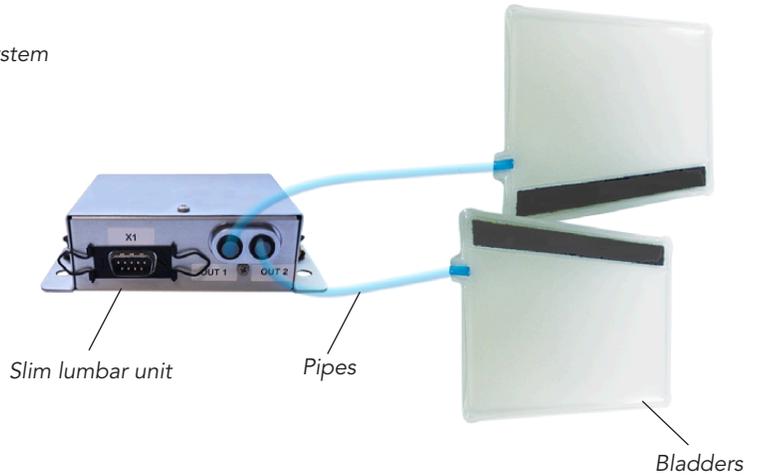
### KEY BENEFITS

- Designed and compliant with the latest Airbus and Boeing advanced requirements
- Lumbar support and massage function
- Active or natural deflating massage options
- Bladders and pipe for full system delivery
- Easy drive
- Over-voltage and over-pressure protection

the pipes and bladders. This system also easily integrates into any seat type, and is certified in any orientation.



Lumbar system



Slim lumbar unit

Pipes

Bladders

## Get Started Today

For additional details, please contact Astronics PGA.

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## PRODUCT SPECIFICATIONS

### • Mechanical (approx)

#### Pneumatic Unit:

- 8.3 W x 3.9 D x 1.8 H (")
- 210 W x 100 D x 45 H (mm)
- 1.5 lbs (0.7 kg)

#### Slim Lumbar Unit:

- 5 W x 3 D x 1.4 H (")
- 127 W x 76 D x 36 H (mm)
- 0.7 lbs (0.32 kg)

### • Compliant to Airbus

2520M1F001200 Issue 4 &  
**Boeing D6-36440 Rev G compliant**

## RELATED PRODUCTS



Actuators



Lumbar System



Electronic Control Unit

PGA Electronic is committed to quality and is EN9100 and ISO 9001 registered.

