

Filter/Regulator Units

Air Supply Requirements



#00938AD Unit and #00787AC Unit

Products

- 0.5micron unit: Model 00787AC
- 0.3micron unit: Model 00938AD
- Air dryer units: Norgren D11 series
- Accumulator tanks
- Pressure sensors

All air bearings operate under similar principles. Basically an air bearing consists of two highly machined surfaces separated by a thin film of air. High air pressure is introduced to the air bearing stage and is forced through a series small orifice restrictors causing a pressure drop through the orifice which results in a positive film pressure between the two bearing surfaces. This film pressure determines the air bearing load carrying performance. Should any air line contaminates such as water, oil or solid particles enter into the small restrictors then, the film pressure will drop causing the bearing performance to deteriorate and eventually fail to operate.

To insure lasting performance and contaminate protection for your air bearing motion system ABTech, Inc. offers two basic dual element filter/regulator accessory units. The small model #00787AC unit has a 5.0micron pre-filter and 0.5micron coalescing secondary filter and the larger model #00938AD unit has a 5.0micron pre-filter and a 0.3micron coalescing secondary filter.

Each unit has a hand slide on/off valve and wall mount bracket. 6FT. of air hose and fittings are supplied with each unit as well.

If your air bearing motion system is powered then we recommend adding a safety interlock pressure sensor switch to detect the loss of air supply to the air bearing stage.

Other air supply products to consider using are, air dryers and accumulator tanks.

For additional information concerning air supply contact ABTech, Inc.'s applications engineering.