

# Polymer Cartridges: LF 3000® and LIQUIfit® Carstick®, Quick Fitting

Parker Legris has developed the range of patented **Carstick®** cartridges guaranteeing **the integrity of the sealing system** before and after assembly in non-threaded cavities. The **compact design** of the one-piece Carstick® cartridge enables **automation** of your manufacturing process and improves the **reliability** of your system.

## Product Advantages

- Time-Saving**
  - No thread to be machined for inserting the fitting into its cavity
  - Seal pre-assembled, greased and protected
  - Self-centring of the cartridge in the cavity
  - Product protected against contamination, from manufacture to installation
  - Possible to have several diameters of tube in the same cavity (Quick Fitting)
- Proven Technology**
  - Technical performances of the LF 3000®
  - Push-in connection
  - Full flow
  - Optimum flow at pressure and vacuum
  - LIQUIfit® Carstick® compatible with drinking water and food fluids
- Automated Installation**
  - Ensures that the product will be correctly assembled
  - Connection fully integrated in the cavity
  - Carstick® packaging designed for an automatic assembly process

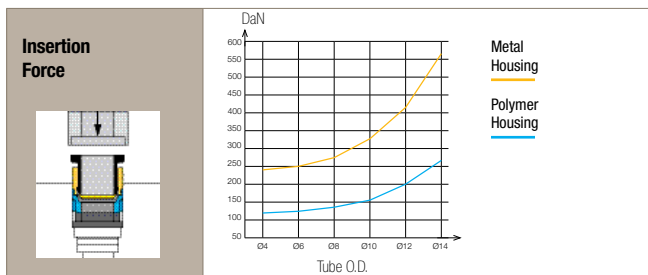


- Applications**
- Robotics
  - Automotive Process
  - Pneumatics
  - Semi-Conductors
  - Water & Beverage
  - Packaging
  - Vacuum

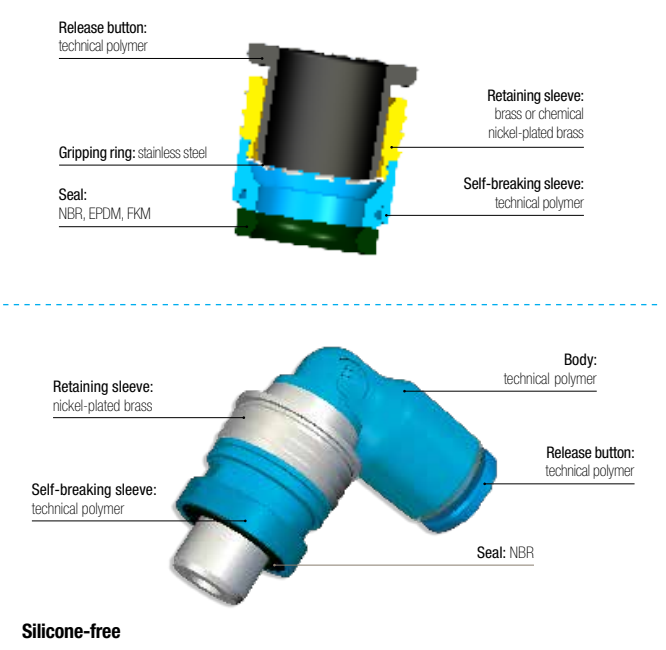
## Technical Characteristics

	LF 3000® Carstick® and Quick Fitting	LIQUIfit® Carstick®
<b>Compatible Fluids</b>	Compressed air	Food fluids, inert gases
<b>Working Pressure</b>	Vacuum to 20 bar	Vacuum to 16 bar*
<b>Working Temperature</b>	-20°C to +80°C	-10°C to +95°C*

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used. Guaranteed for use with a vacuum of 755 mm Hg (99% vacuum). \*The pressure/temperature information is shown in Chapter 1, in the "LIQUIfit®" section.



### Component Materials



### Regulations

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|--|---|--|
| <b>LF 3000® Carstick® and Quick Fitting</b><br>ISO 14743: Pneumatic fluid power, push-in fittings for thermoplastic tubes<br>DI: 2002/95/CE (RoHS), 2011/65/CE<br>DI: 97/23/CE (PED) | <b>LIQUIfit® Carstick®</b><br>RG: 1935/2004/CE<br>FDA: 21 CFR 177.1550<br>NSF 51 to 95°C<br>ACS<br>DM 174 (Italy) | DI: 2002/95/CE (RoHS), 2011/65/CE<br>DI: 97/23/CE (PED)<br>WRAS<br>NSF/ANSI 61 - C HOT<br>KTW: cartridges on request |
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