



SEC99A UltraCap Armored Capillary

Description

The SEC99A UltraCap Armored Capillary is designed for use as a pressure connection in refrigeration and air conditioning applications. This small-orifice capillary minimizes pressure pulsation, and the brass armor sleeve improves resistance to abrasion caused by vibration. The copper capillary inside the armored sleeve allows no effusion of refrigerant to the environment.

UltraCap is designed for use with 1/4 in. SAE external flare fitting connectors, such as those found on the Johnson Controls/PENN® lines of pressure-actuated controls. Integral Schrader valve depressors are available.

UltraCap Armored Capillary is compatible with all common non-corrosive refrigerants. The UltraCap capillary is available in a variety of lengths, and in models with two straight fittings or with one straight fitting and one 90° elbow fitting.



SEC99AB and SEC99AA UltraCap Armored Capillaries

Selection Chart

| Product Code Number | Description |
|--|---|
| Schrader Depressor in One End | |
| SEC99AA-18C | Two straight fittings Length: 18 in. (457 mm) |
| SEC99AA-24C | Two straight fittings Length: 24 in. (610 mm) |
| SEC99AA-36C | Two straight fittings Length: 36 in. (914 mm) |
| SEC99AA-48C | Two straight fittings Length: 48 in. (1,219 mm) |
| SEC99AA-60C | Two straight fittings Length: 60 in. (1,524 mm) |
| Schrader Depressor in Both Ends | |
| SEC99AB-18C | One straight and one 90° fitting Length: 18 in. (457 mm) |
| SEC99AB-24C | One straight and one 90° fitting Length: 24 in. (610 mm) |
| SEC99AB-36C | One straight and one 90° fitting Length: 36 in. (914 mm) |
| SEC99AB-48C | One straight and one 90° fitting Length: 48 in. (1,219 mm) |
| SEC99AB-60C | One straight and one 90° fitting Length: 60 in. (1,524 mm) |

Repair Information

If the SEC99A UltraCap Armored Capillary fails to operate within its specifications, replace the unit. For a replacement capillary, contact the nearest Johnson Controls® representative.

Technical Specifications

| SEC99A UltraCap Armored Capillary | |
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| Capillary Diameters | Inside: 0.062 in. (1 mm); Outside: 0.125 in. (3 mm) |
| Temperature Range | -50 to 350°F (-46 to 177°C) |
| Burst Pressure | 3,000 psig (20,685 kPa) |
| Maximum Working Pressure | 600 psig (4,137 kPa) |
| Suggested Torque to Seal | 8 to 10 lb-ft (10.9 to 13.6 N-m) |
| Fittings: Straight | 1/4 in. Internal Flare Connector with Schrader Depressor |
| 90° Elbow | 1/4 in. Internal Flare Connector with Schrader Depressor |
| Material | Forged Brass Nut with Copper Stem |
| Agency Listings | UL Recognized: File SA9457, CCN SFCS2 UL Recognized for Canada: SA9457, CCN SFCS8 |