SEC99A UltraCap Armored Capillary Catalog Page

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LIT-1900131

Description

Figure 1: SEC99AB and SEC99AA UltraCap Armored Capillaries



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.

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.

Selection chart

Table 1: SEC99A UltraCap Armored Capillary 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)

Technical specifications

Table 2: SEC99A UltraCap Armored Capillary technical specifications

Specification		Description
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		3,450 psig (23,786 kPa)
Maximum working pressure		690 psig (4,757 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

Product warranty

This product is covered by a limited warranty, details of which can be found at www.johnsoncontrols.com/buildingswarranty.

Software terms

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