

## 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
<b>Schrader Depressor in one end</b>	
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)
<b>Schrader Depressor in both ends</b>	
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](http://www.johnsoncontrols.com/buildingswarranty).

## Software terms

**Use of the software that is in (or constitutes) this product, or access to the cloud, or hosted services applicable to this product, if any, is subject to applicable end-user license, open-source software information, and other terms set forth at [www.johnsoncontrols.com/techterms](http://www.johnsoncontrols.com/techterms).** Your use of this product constitutes an agreement to such terms.

## Single point of contact

APAC	EU	UK	NA/SA
JOHNSON CONTROLS C/O CONTROLS PRODUCT MANAGEMENT NO. 32 CHANGJIANG RD NEW DISTRICT WUXI JIANGSU PROVINCE 214028 CHINA	JOHNSON CONTROLS VOLTAWEG 20 6101 XK ECHT THE NETHERLANDS	JOHNSON CONTROLS TYCO PARK GRIMSHAW LANE MANCHESTER M40 2WL UNITED KINGDOM	JOHNSON CONTROLS 5757 N GREEN BAY AVE. GLENDALE, WI 53209 USA

## Contact information

Contact your local branch office:  
[www.johnsoncontrols.com/locations](http://www.johnsoncontrols.com/locations)

Contact Johnson Controls:  
[www.johnsoncontrols.com/contact-us](http://www.johnsoncontrols.com/contact-us)