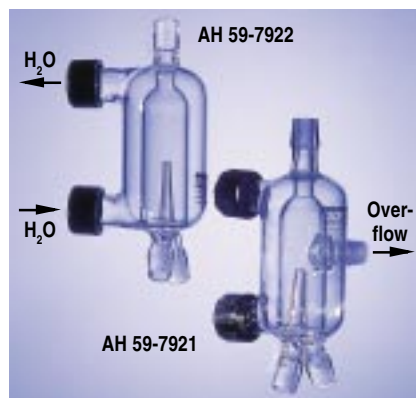


Radnoti Heart Perfusion System Components



Bubble Trap

- Removes gas bubbles introduced during aeration or an addition of perfusate or drugs

This borosilicate glass trap is useful for both Langendorff and working heart preparations. The chamber is water-jacketed to prevent cooling of the perfusate and features quick-disconnect fittings for the warm water circuit. There are three Luer connections – two at the bottom for fluid entry and exit, and a third at the top serving as an air vent/fluid level adjustment port.

Specifications

Length	90 mm (3.5 in)
Water Jacket:	
Length	55 mm (2.2 in)
OD	28 mm (1.1 in)

Catalog No. Product

CGS 8018.73	Bubble Trap
CGS 8019.73	Bubble Trap with Bottom QD Fittings



In-Line Injection Port

- Permits injection of drugs via syringe or syringe pumps
- Heavy duty borosilicate glass
- Threaded side port with a screw cap
- Replaceable septa and male/female Luer fittings

The body of the injection port is a 7 mm OD x 2 mm ID (0.28 x 0.08 in) glass tube for observing drug entry and detecting the formation of precipitates or bubbles. Unlike plastic injection ports, this port can be disassembled and cleaned thoroughly, eliminating bacterial growth that may lead to loss of preparation viability. Overall length is 45 mm (1-3/4 in). Supplied as package of 2.

Catalog No. Product

CGS 8020.73	In-Line Injection Port, pkg. of 2
CGS 8021.73	Extra Septa, pkg. of 10

Bubble Trap (Compliance Chamber)

- Permits adjustment of pressure against which heart pumps (compliance)

This chamber is connected to the aortic out-flow in a working heart system and offers a more resilient fluid ejection by the left ventricle. It is identical to the bubble trap described to the left except it has one additional Luer outlet in the middle of the chamber for overflow. The outlet at the top serves as an air vent. The chamber jacket has quick-disconnect fittings for the warm water circuit.

Catalog No. Product

CGS 8022.73	Bubble Trap (Compliance Chamber)
CGS 8023.73	Bubble Trap (Compliance Chamber) with Bottom QD Fittings



Aortic and Atrial Cannulae

- For rat, rabbit and guinea pig cardiac preparations
- Designed for easy insertion into the cap of the heart chamber
- Two types: aortic and atrial

These borosilicate glass cannulae have a female Luer connection. The aortic cannulae taper down to outside diameters of 1.6, 1.8, 2.0, 2.2 and 2.4 mm. The atrial cannulae taper down to outside diameter of 1.8, 2.0, 2.2, 2.4 and 2.6 mm. The ends are slightly flared and etched to provide a non-slip connection to the aorta or atria without damaging the surrounding tissue. Overall length is 90 mm (3-1/2 in). The end of the aortic cannula is straight; the end of the atrial cannula is bent 90° to permit easy entry into the left atria. The cannula may be rotated or adjusted by loosening the enclosure that encircles the top of the cannula; when the cannula is positioned satisfactorily, the cap is secured. Glass cannulae are supplied as a set of 5 per package, one of each size. Stainless steel cannulae are 8 grams and sold individually.

Catalog No. Product

CGS 8024.73	Aortic Cannulae, pkg. of 1
CGS 8025.73	Stainless Steel Aortic Cannula, Mouse
CGS 8026.73	Atrial Cannulae, pkg. of 1
CGS 8027.73	Stainless Steel Atrial Cannula, Mouse