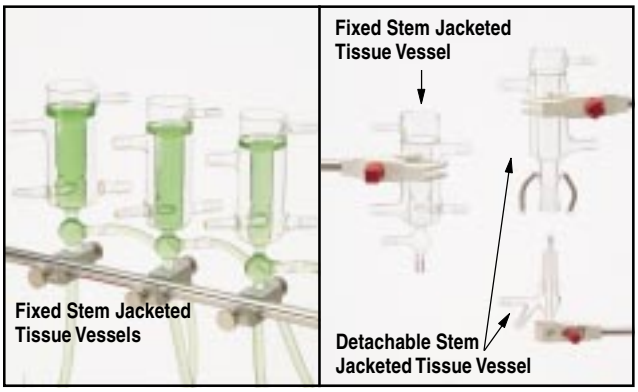
Tissue Vessels

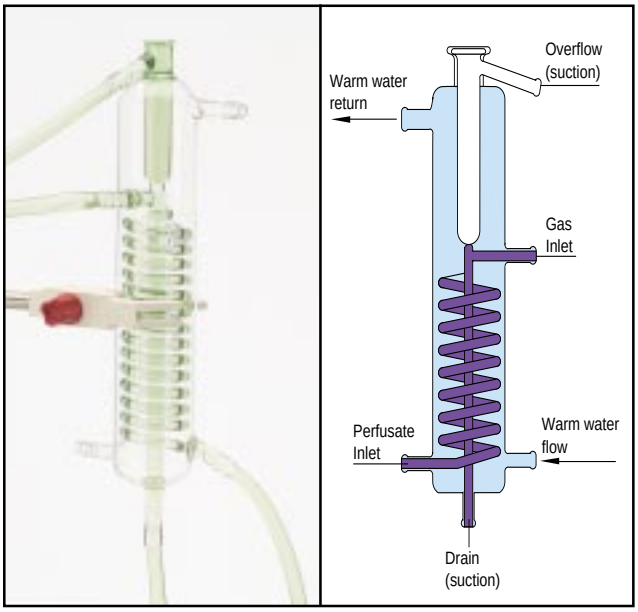


- Accommodate all standard isolated pharmacological preparations
- Both 'fixed' and 'detachable' stem types — each available in three sizes
- Equally suitable for research or student use
- 'Detachable' stem types allow researcher to change vessels and leave stem portion connected into circuit for ease of attaching preparation
- Hook in vessels anchors preparations
- Sintered airway tube in each vessel for oxygenation
- Level tube in each vessel maintains level of fluid
- Side limbs are in constant position in all vessels to facilitate interchange or substitution

Harvard Jacketed Tissue Vessels

These glass Harvard Jacketed Tissue Vessels accommodate all standard isolated pharmacological preparations and are equally suited for research or student use. The vessels are offered in both 'fixed' one piece form or in 'detachable' two piece form. The detachable stem jacketed tissue vessels are particularly useful because vessels of the same or different capacities can be interchanged without taking the cone portion out of the external circuit. The cone joints are all 14/23. A hook is provided inside each vessel to anchor the preparation. Each vessel also has an airway tube with a No. 1 porosity, sintered disc for oxygenation. The level tube at the top of each vessel maintains a constant level of fluid in the vessel. It is close to the side wall and clear of the bath. All side limbs are located in a constant position with the same diameter openings for more convenient interchangeability or substitution. The two limbs for connection to the Thermocirculator are purposely made slightly larger than the fluid preparation limbs to increase the flow of warming water and minimize temperature gradients that could occur with multiple set-ups. The detachable jacketed tissue vessels are supplied complete with the tissue chamber, detachable stem and two stainless steel springs to hold the cone in the socket. The springs connect to hooks on each fitting.

Catalog No.	Product
Spares for Detachable Stem Vessels	
CGS 8199.73	Fixed Stem Jacketed Tissue Vessel, 10 ml capacity, 14 mm ID
CGS 8200.73	Fixed Stem Jacketed Tissue Vessel, 20 ml capacity, 18 mm ID
CGS 8201.73	Fixed Stem Jacketed Tissue Vessel, 25 ml capacity, 20 mm ID
CGS 8202.73	Detachable Stem Jacketed Tissue Vessel, 10 ml capacity, 14 mm ID
CGS 8203.73	Detachable Stem Jacketed Tissue Vessel, 20 ml capacity, 18 mm ID
CGS 8204.73	Detachable Stem Jacketed Tissue Vessel, 25 ml capacity, 20 mm ID
CGS 8205.73	Tissue Chamber, 10 ml
CGS 8206.73	Tissue Chamber, 20 ml
CGS 8207.73	Tissue Chamber, 25 ml
CGS 8208.73	Stem Only to fit 14/23 Cone Joint of Tissue Chamber
CGS 8209.73	Springs, pkg. of 2



Harvard 'Bennett Type' Isolated Tissue Vessel

A distinct advantage of this improved glass Isolated Tissue Vessel is that substances added to the tissue chamber cannot diffuse out. It is similar in construction to other Harvard Tissue Vessels in that the chamber containing the tissue chamber and warming coil are kept at a constant temperature by means of the jacketed water assembly. In operation, water of the desired temperature is circulated through the water jacket and physiological solution (perfusate) is passed through the warming coil to fill the tissue chamber. Gas (oxygen, carbon dioxide, etc.) is introduced into the chamber through a 6 mm OD diameter orifice. The action of the gas entering the chamber forms an effective seal that separates the contents of the tissue chamber from the warming coil. This prevents diffusion of the bath contents into the coil. 'Bennett Type' Tissue Vessels are offered in three sizes ranging in capacity from 5 to 20 ml.

Catalog No.	Capacity	Inner Chamber Diameter
Descontinuado CGS 8210.73	5 ml	10 mm (3/8 in)
Descontinuado CGS 8211.73	10 ml	13 mm (1/2 in)
CGS 8212.73	20 ml	17.5 mm (2/3 in)