

130149



The Radnoti Bubble Trap compliance chamber is completely water jacketed for accurate temperature control. Fluid entry and exit ports are fitted with threaded luer lock ports to allow secure connection of fluid lines. The side port or compliance port allows a constant flow of solution to the bubble trap where solution not accepted via the out flow port can be returned back to the source. This is an ideal feature for constant pressure protocols where pressure is set via the elevation of the bubble trap and variances in flow rate are determined by the sample during contraction or dilation. The flow rate may be fixed at a rate higher than the anticipated requirement. Excess buffer is returned to the source reservoir via the compliance port. Changes in the demand of flow are accommodated without having to adjust pump delivery speed mid experiment. The top vent port allows for priming of the chamber and adjustment of the dead air space to be maintained in the trap. Typically the dead air volume will serve as a dampener or shock absorber for pulsations related to pump mechanics.

Catalog #	Description	Qty.
130149	Compliance Bubble Trap	1



158830



158840

Radnoti Heating Coils

Radnoti heating coils are designed to pre-warm or warm solutions as they pass through the unit prior to entry into a organ baths or single cell electro-physiological systems. Units are available with internal coil capacities of approximately 1.5, 5.5, and 10ml depending on model (see below.). The fluid moving through the coil is rapidly warmed by the outer water-jacket, which uses the Radnoti Quick Disconnect fittings. For models using a center tube degassing trap or classic style integral bubble trap, air bubbles are removed when passing through the trap. The ends of the coil terminate in female Luer fittings for easy integration into a variety of system requirements. Please note time to temperature or rate of warming will have a direct relation to flow rate and water-jacket temperature. Users should test units for actual performance for individual temperature compensation requirements

A special feature of the new 158831 and the 158840 heating coils along with the integral classic style bubble trap is the addition of a luer lock side port at the final exit point of the coil. This feature allows for the connection of a pressure transducer to monitor pressure at the exit of the coil. Commonly used in simple Langendorff isolated heart configurations.

Catalog #	Description	WJ O.D.	Qty.
158821	10 ml Heating Coil	45mm	1
158822	5.5ml Heating Coil	32mm	1
158823	1.5ml Heating Coil	20mm	1
158830	5.0ml Heating coil with degassing Bubble Trap	35mm	1
158840	10ml Heating coil with integral classic bubble trap	45mm	1
158831	5.5ml Heating coil with integral classic bubble trap	32mm	1



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