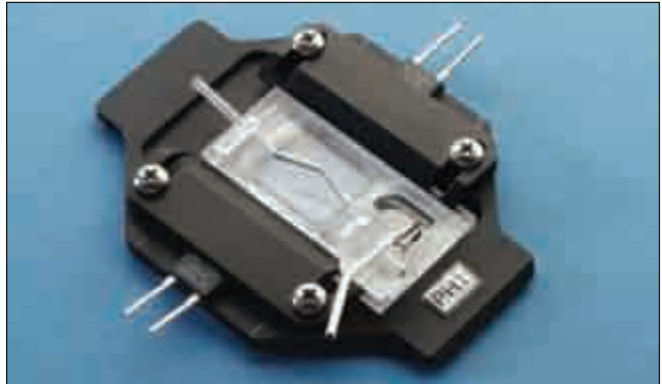


RC-24N

series 20 chambers

Open Diamond Bath for Fast Fluid Exchange

A small, open bath chamber with diamond shaped fluidics



RC-24N shown in a PH-1 heated platform

- Designed for physiological measurements of cell cultured coverslips
- Applications include patch clamp, intracellular/extracellular recordings, and imaging
- Diamond shaped bath provides laminar solution flow
- Very small bath volume facilitates very fast solution exchange

The RC-24N chamber design is taken from the RC-24 and improves the flow characteristics by providing a linear path. The bath volume in this model is among the smallest of the open style chambers. This enables very fast solution exchange for a variety of applications, including patch clamp and electrophysiology studies. The small bath volume is especially useful when using drugs in small quantities.

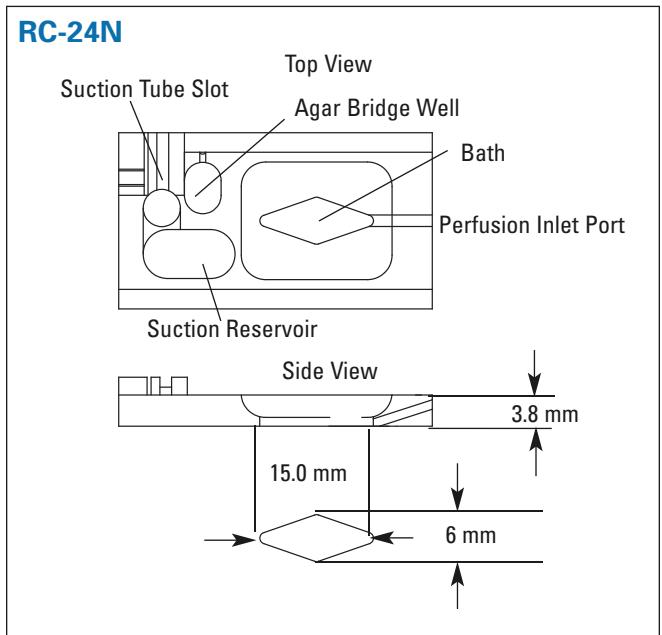
An agar bridge well for reference electrodes is provided, as is an aspiration well. The aspiration well is equipped with a stainless steel aspiration tube (1.67 mm OD) together with a tube clamp. The clamp insures that the adjustable suction tube will not move once the height is set by the user. The chamber floor is formed from a 22 x 40 mm rectangular coverslip.

The RC-24N requires a platform (P-1, PH-1, or PM-1) and stage adapter to complete the assembly for mounting on a microscope.

Each chamber is supplied with a package of #1 thickness glass coverslips (CS-22/40, 22 x 40 mm, 50/pkg) and 10 feet of PE-160 tubing.

Specifications

Material	Polycarbonate
Bath dimensions (L x W x H)	15 x 6 x 3.8 mm
Volume, by depth	54 µl/mm
Bottom coverglass	22 x 40 mm
Input tubing (ID x OD)	1.14 x 1.57 mm (PE-160)
Aspirator coupling	1.67 mm (OD)



Order #	Model	Product
W4 64-0381	RC-24N	Fast Exchange Recording Chamber
W4 64-0277	P-1	Platform, non-heated
W4 64-0284	PH-1	Platform, heated
W4 64-1526	PM-1	Platform, heated magnetic

Accessories and Replacement Parts

W4 64-0755	PE-160/10	Polyethylene Tubing
W4 64-0707	CS-22/40	Coverslips, 22 x 40 mm #1, Box of 50