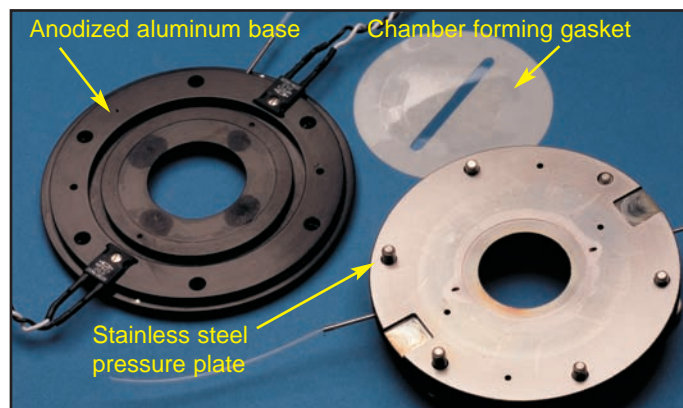
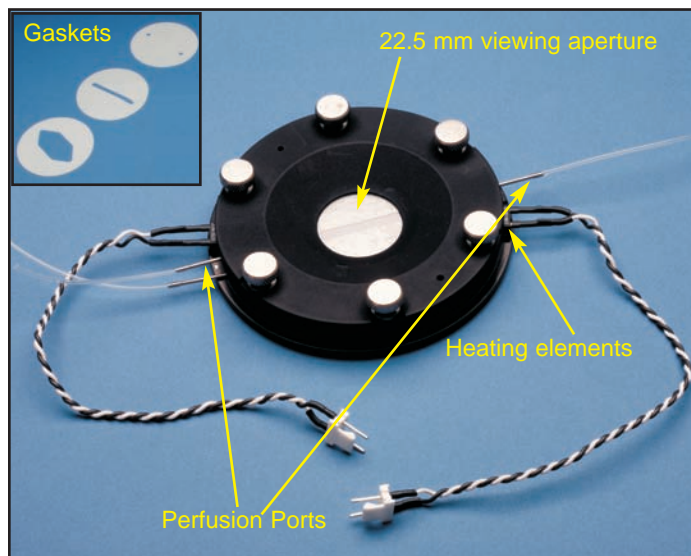


Model RC-31 A Low Profile, Parallel Plate Flow chamber



Pre-cut gaskets are supplied with the chamber; one cut wide to allow full use of the aperture window (17.7 mm diameter) and a narrow, slotted version (4 x 37 mm) for fast solution exchange and blank gaskets for customized bath shapes.

The bath volumes for these pre-cut, 250 μm thick gaskets are 26 μl for the slotted cut and 133 μl for the wide cut.

- Adjustable distance between upper and lower coverslips, 50 μm to 350 μm
- Optimal control of culture conditions and cellular environment
- Compatible with both upright and inverted microscopes
- Amenable for long term studies using live cells

The RC-31 is closed bath low profile chamber incorporating special features for microscopic confocal imaging.

These features include user defined bath geometry and a large viewing area. A 30 mm, #1.5 glass coverslip forms the top of the chamber, while a 40 mm, #1 coverslip forms the bottom, respectively, creating a closed bath. The closed design allows the chamber to be inverted in the mounting platform enabling its use with both inverted or upright microscopes. The final viewing aperture is 25 mm diameter.

Variable Bath Volume/Fast Perfusate Exchange:
The side walls of the RC-31 bath is formed by a silicone gasket sandwiched between the top and bottom coverslips. Wall height (i.e. spacing between the two coverslips) can range from 50-350 μm and is defined by the thickness and number of gaskets used. Blank gaskets are supplied with the chamber permitting the development of the customized bath geometry required for individual applications.

Ordering Information

Cat. No.	Model	Product
64-1685	RC-31	Confocal Imaging Chamber
64-0330	GS-30L/10	Replacement Gaskets, Large Bath, 250 μm thickness, pkg. of 10
64-0331	GS-30L/15	Replacement Gaskets, Large Bath, 375 μm thickness, pkg. of 10
64-0332	GS-30S/10	Replacement Gaskets, Slotted Bath, 250 μm thickness, pkg. of 10
64-0333	GS-30S/15	Replacement Gaskets, Slotted Bath, 375 μm thickness, pkg. of 10
64-0334	GS-30B/10	Replacement Gaskets, Blank, 250 μm thickness, pkg. of 10
64-0335	GS-30B/15	Replacement Gaskets, Blank, 375 μm thickness, pkg. of 10
64-0341	GS-30B/4	Replacement Gaskets, Blank, 125 μm thickness, pkg. of 10
64-0342	GS-30L/4	Replacement Gaskets, Large Bath, 125 μm thickness, pkg. of 10
64-0343	GS-30S/4	Replacement Gaskets, Slotted Bath, 125 μm thickness, pkg. of 10
64-1499	CS-30R	Coverslips #1.5 Thickness (90)
64-1500	CS-40R	Coverslips #1 Thickness (60)