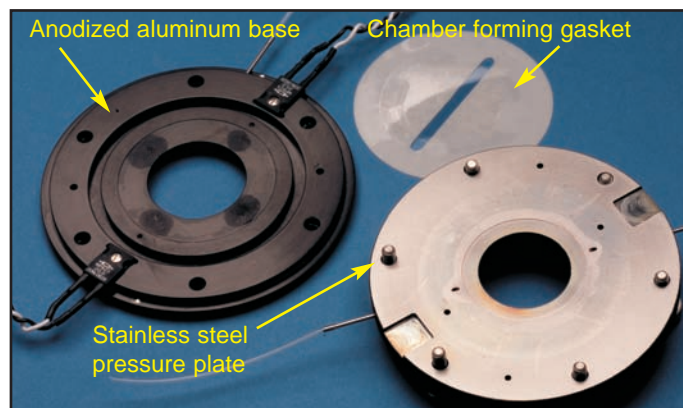
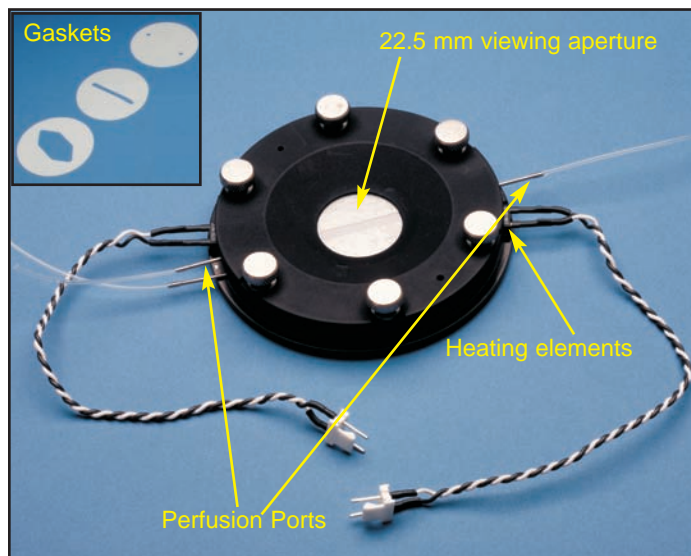


**Model RC-31 A Low Profile, Parallel Plate Flow chamber**



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  $\mu\text{m}$  thick gaskets are 26  $\mu\text{l}$  for the slotted cut and 133  $\mu\text{l}$  for the wide cut.

- Adjustable distance between upper and lower coverslips, 50 $\mu\text{m}$  to 350 $\mu\text{m}$
- 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  $\mu\text{m}$  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
<b>64-1685</b>	RC-31	Confocal Imaging Chamber
<b>64-0330</b>	GS-30L/10	Replacement Gaskets, Large Bath, 250 $\mu\text{m}$ thickness, pkg. of 10
<b>64-0331</b>	GS-30L/15	Replacement Gaskets, Large Bath, 375 $\mu\text{m}$ thickness, pkg. of 10
<b>64-0332</b>	GS-30S/10	Replacement Gaskets, Slotted Bath, 250 $\mu\text{m}$ thickness, pkg. of 10
<b>64-0333</b>	GS-30S/15	Replacement Gaskets, Slotted Bath, 375 $\mu\text{m}$ thickness, pkg. of 10
<b>64-0334</b>	GS-30B/10	Replacement Gaskets, Blank, 250 $\mu\text{m}$ thickness, pkg. of 10
<b>64-0335</b>	GS-30B/15	Replacement Gaskets, Blank, 375 $\mu\text{m}$ thickness, pkg. of 10
<b>64-0341</b>	GS-30B/4	Replacement Gaskets, Blank, 125 $\mu\text{m}$ thickness, pkg. of 10
<b>64-0342</b>	GS-30L/4	Replacement Gaskets, Large Bath, 125 $\mu\text{m}$ thickness, pkg. of 10
<b>64-0343</b>	GS-30S/4	Replacement Gaskets, Slotted Bath, 125 $\mu\text{m}$ thickness, pkg. of 10
<b>64-1499</b>	CS-30R	Coverslips #1.5 Thickness (90)
<b>64-1500</b>	CS-40R	Coverslips #1 Thickness (60)