

# DEMOUNTABLE LIQUID CELLS



## SPECIFICATIONS

Plate Geometry	Rectangular
Plate Dimensions	2.0" W × 3.0" H
IR Beam Port Dimension	9.5 × 21 mm
Spacer Thickness, mm	0.015, 0.025, 0.050, 0.10, 0.20, 0.50, 1.0
Nominal Pathlength	Spacer thickness
Seal Type	Friction/Teflon
Fill Port Type	Luer Lock
Window Dimensions	32 × 3.0 mm circular
Window Flatness	$\lambda/5$ at 10.6 micron (except KRS-5 and Polyethylene)

## Maximum Sampling Pathlength Flexibility

- Easy spacer change for flexible sampling pathlength
- Complete selection of window materials for all sample types
- Standard rectangular slide mount configuration to fit your FT-IR spectrometer

The Spectral Systems Demountable Liquid Cell is an ideal accessory for the analysis of liquids when a wide range of component concentrations is encountered and when the sample type varies frequently. The pathlength of the analysis is defined by your choice of spacer included with the accessory. Spacers are composed of Teflon® which is inert and compatible with all sample types.

Spectral Systems offers a complete selection of window materials for analysis in the mid-, near- and far-infrared spectral regions and to provide compatibility with organic and aqueous solvents. All windows offered for our Demountable Liquid Cell are edge rounded and finished for exceptional durability and improved seal.

## ORDERING INFORMATION

### Demountable Liquid Cell

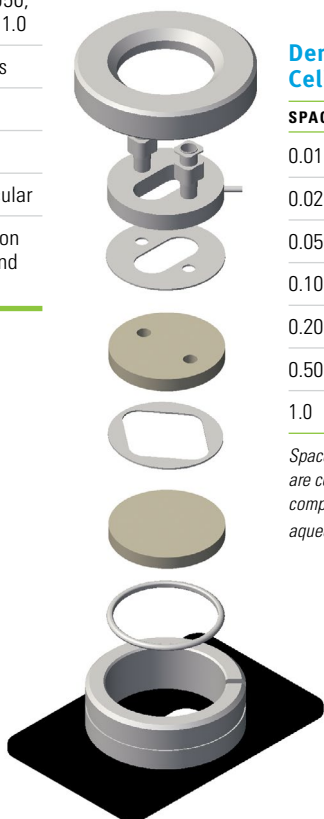
DESCRIPTION	PART NO.
Demountable Liquid Cell	097-3710

*Demountable Liquid Cell includes cell holder, needle plate, o-ring, gaskets, complete set of spacers (2 each of each thickness) and Teflon stoppers (2 each). Please select a drilled and undrilled window to complete the accessory.*

### Demountable Liquid Cell Spacers

SPACER THICKNESS	PART NO.
0.015	097-3713
0.025	097-3714
0.050	097-3715
0.10	097-3716
0.20	097-3717
0.50	097-3718
1.0	097-3719

*Spacers include 12 each. Spacers are composed of Teflon which is compatible with organic and aqueous solvents.*



### Demountable Liquid Cell Windows

WINDOW MATERIAL	UNDRILLED PART NO.	DRILLED PART NO.
BaF <sub>2</sub>	915-3716	915-3717
CaF <sub>2</sub>	920-3716	920-3717
CsI	935-3716	935-3717
Ge	940-3716	940-3717
IR-Quartz	965-3716	965-3717
KBr	945-3716	945-3717
KRS-5	950-3716	950-3717
NaCl	955-3716	955-3717
Polyethylene	957-3716	957-3717
Si	960-3716	960-3717
ZnSe	975-3716	975-3717
ZnS	971-3716	971-3717

*Minimum 1 each undrilled and drilled window are required to complete the Demountable Liquid Cell. For window material characteristics and further detail, please refer to the Spectral Systems Properties.*

### Replacement Parts for Demountable Liquid Cell

DESCRIPTION	PART NO.
Teflon Stoppers (12 each)	097-3711
Teflon Gaskets (12 each)	097-3712
Teflon O-Rings (12 each)	097-3737
Aluminum O-Rings (12 each)	097-3723
Needle Plate	097-3727
Glass Syringe, 1 mL	097-3801
Glass Syringe, 5 mL	097-3805
Glass Syringe, 10 mL	097-3810