

Demountable Liquid Cells – For Versatile Pathlength Liquid Sampling

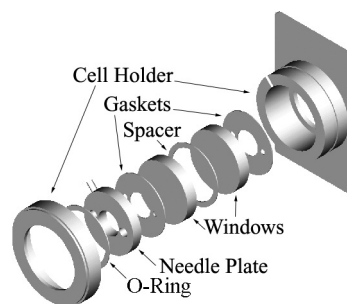


FEATURES OF THE DEMOUNTABLE LIQUID CELL

- Flexible window selection for optimizing spectral range and sample compatibility
- Flexible pathlength to optimize sample absorbance
- Demountable cell design for optimal cleaning of difficult samples
- Compatible with all FTIR spectrometers
- Heated version available (see page 90)

The PIKE Technologies Demountable Liquid Cell is ideal for qualitative and quantitative analysis of liquid samples where it is desirable to optimize the pathlength for varying samples. Furthermore the Demountable Liquid Cell is well suited for samples where it is useful to disassemble the cell for cleaning. A wide variety of window types and spacer pathlengths are available. Window types are available to cover mid-IR, NIR, and far-IR spectral regions and sample composition from organic to aqueous.

The PIKE Technologies Demountable Liquid Cell is designed with a standard 2" x 3" plate for use with all FTIR spectrometers. The needle plate includes Luer-Lok™ fittings for easy syringe filling of the sample. The window size is 32 x 3 mm and the clear aperture of the cell is 13 mm.



Demountable liquid cell assembly layout

ORDERING INFORMATION

Demountable Liquid Cell Holder

PART NUMBER	DESCRIPTION
162-1100	Demountable Liquid Cell Holder Includes: cell holder, gaskets, and one complete set of spacers – select windows below

Notes: Requires selection of windows – below. Please select 2 syringes below for filling the demountable liquid cell.

Demountable Liquid Cell Windows

(must select minimum of 1 Plain and 1 Drilled)

DESCRIPTION	PART NUMBER	
	PLAIN	DRILLED
BaF ₂	160-1147	160-1146
CaF ₂	160-1143	160-1142
Ge	160-1137	160-1136
KBr	160-1132	160-1131
KRS-5	160-1126	160-1125
NaCl	160-1122	160-1121
Polyethylene	160-5216	160-5215
Si	160-1159	160-1158
ZnSe	160-1113	160-1112

Notes: Above windows are 32 x 3 mm disks. For window compatibility please consult the Materials Properties information on page 113 of this catalog. For additional window selections please see page 104.

Demountable Liquid Cell Spacers (Optional)

PATHLENGTH (MM)	PART NUMBER
0.015	162-1210
0.025	162-1220
0.050	162-1230
0.100	162-1240
0.200	162-1250
0.500	162-1260
1.000	162-1270
Assortment	162-1290

Notes: Spacer pathlength packages above include 12 each of the spacers. The assortment package includes 2 each of the different pathlengths.

Demountable Liquid Cell Replacement Parts

PART NUMBER	DESCRIPTION
162-1104	Demountable Liquid Cell Needle Plate
162-1300	Teflon Stoppers for Needle Plate (12 each)
162-1310	Teflon Gaskets (12 each)
162-1320	Teflon O-Rings (12 each)
161-0520	Glass Syringe, 1 mL
161-0521	Glass Syringe, 2 mL
161-0522	Glass Syringe, 5 mL

Notes: For other options for the Demountable Liquid Cell, please contact PIKE Technologies.