



Demountable Liquid Cells

These leak-free cells are the only Demountable Liquid Cells that you will ever need. Made from chemically resistant 316 stainless steel with easily changed pathlengths, these cells are perfect for analyzing a wide variety of liquids and mulls under static or flow conditions.

APPLICATIONS

- ▶ Infrared measurements of liquids, mulls, and smears.
- ▶ Process control and laboratory applications.
- ▶ Static or flow environments.

FEATURES

- ▶ Variable pathlength, from 6µm to 1mm.
- ▶ Leak-free design utilizes standard, non-drilled windows.
- ▶ Easily disassembled for cleaning and window replacement.
- ▶ Two ports for static or flow applications.
- ▶ Sample slide plate mounted for user convenience.
- ▶ Chemically resistant 316 stainless steel cell body with Luer Lok or 1/8" Swagelok™ fittings.
- ▶ Available with an 8mm or 20mm diameter clear aperture.
- ▶ Maximum operating pressure with ZnSe windows
 - ▶ 4.5 MPa (660 psi) for the DLC-S13 (8 mm open aperture).
 - ▶ 690 kPa (100 psi) for the DLC-S25 (20 mm open aperture).
- ▶ Optional chemically-resistant Kalrez o-rings available.



INCLUDES

- ▶ Stainless steel cell body with Luer Lok or Swagelok™ fittings.
- ▶ One dozen spacers. One each for 6, 12, 25, 56, 100, 150, 250, 390, 500, 630, 750, and 950 µm pathlengths. 6 and 12µm spacers are mylar; all others are PTFE.
- ▶ Viton o-rings.
- ▶ Slide plate mounting.
- ▶ Windows need to be ordered separately (see table).

Windows	13x2 mm	25x2 mm
Al ₂ O ₃	WBD-U22	--
CaF ₂	WFD-U22	WFD-U25
ZnS	WID-U22	WID-U25
NaCl	WLD-U22	WLD-U25
ZnSe	WMD-U22	WMD-U25
KBr	WPD-U22	WPD-U25

Assorted Spacer Sets		
	8 mm apt. (13x 2 mm)	20 mm apt. (25 x 2 mm)
Two each (25, 50, 100, 200 and 1000 µm)	PSB-M13	PSB-M25
One each (6, 12, 25, 56, 100, 150, 250, 390, 500, 630, 750 and 950 µm)	PSA-M13	PSA-M25

	8 mm apt. (13 x 2 mm)	20 mm apt. (25 x 2 mm)
Spacers Sets (10 per package)		
15µm	MSB-015-M13	MSB-015-M25
25µm	MSB-025-M13	MSB-025-M25
50µm	MSB-050-M13	MSB-050-M25
100µm	MSB-100-M13	MSB-100-M25
200µm	MSB-200-M13	MSB-200-M25
500µm	MSB-500-M13	MSB-500-M25
1000µm	MSB-000-M13	MSB-000-M25
Spacers Sets (12 per package)		
6µm	MSP-006-M13	MSP-006-M25
12µm	MSP-012-M13	MSP-012-M25
56µm	MSP-056-M13	MSP-056-M25
150µm	MSP-150-M13	MSP-150-M25
250µm	MSP-250-M13	MSP-250-M25
390µm	MSP-390-M13	MSP-390-M25
630µm	MSP-630-M13	MSP-630-M25
750µm	MSP-750-M13	MSP-750-M25
950µm	MSP-950-M13	MSP-950-M25

ORDERING INFORMATION

	8 mm aperture (13x2 mm windows)	20 mm aperture (25x2 mm windows)
Demountable Liquid Cell	DLC-M13	DLC -M25
Luer Lok Fittings (static)	DLC -S13	DLC -S25
Swagelok™ Fittings (flow)		

CATALOG NO.

OPTIONS AND REPLACEMENT PARTS

Viton O-Ring	ORV-012	ORV-020
Kalrez O-Ring	ORK-012	ORK-020