

Press-On Demountable Cell – For Viscous Liquids and Mulls



The PIKE Technologies Press-On Demountable Liquid Cell is recommended for fast and convenient qualitative analysis of viscous liquids and mull samples. Simply spot the sample onto the middle of the transparent IR window and slip the second window over the top. The windows are conveniently held in place by the friction fit of the Demountable Cell Holder. The Press-On Demountable Cell is available in 2 sizes – 25-mm and 32-mm diameter and has optional Teflon spacers to assist with sampling pathlength. A wide variety of window types and spacer pathlengths are available to cover NIR, mid-IR and far-IR spectral regions and sample composition from organic to aqueous.

The PIKE Technologies Press-On Demountable Liquid Cell is designed with a standard 2" x 3" plate for use with all FTIR spectrometers.

FEATURES

- Flexible window selection for optimizing spectral range and sample compatibility
- Demountable cell design for optimal cleaning of difficult samples
- Compatible with all FTIR spectrometers

ORDERING INFORMATION

PRESS-ON DEMOUNTABLE LIQUID CELL HOLDERS

| PART NUMBER | DESCRIPTION |
|-------------|-----------------------------------------------------------------------------------------------------|
| 162-3600 | Press-On Demountable Liquid Cell Holder for 25-mm Windows <i>Includes cell holder and O-ring</i> |
| 162-3610 | Press-On Demountable Liquid Cell Holder for 32-mm Windows <i>Includes cell holder and O-ring</i> |

WINDOWS FOR PRESS-ON DEMOUNTABLE LIQUID CELL

(select minimum of 2)

| PART NUMBER | | DESCRIPTION |
|-------------|-----------|------------------|
| 25 x 4 mm | 32 x 3 mm | |
| 160-1217 | 160-1147 | BaF ₂ |
| 160-1211 | 160-1143 | CaF ₂ |
| 160-1138 | 160-1137 | Ge |
| 160-1133 | 160-1132 | KBr |
| 160-1127 | 160-1126 | KRS-5 |
| 160-1124 | 160-1122 | NaCl |
| 160-5214 | 160-5216 | Polyethylene |
| 160-1116 | 160-1159 | Si |
| 160-1114 | 160-1113 | ZnSe |

Notes: For window compatibility please consult the Materials Properties table on page 128 of this catalog. Find additional window selections starting on page 114.

SPACERS FOR PRESS-ON DEMOUNTABLE LIQUID CELL (Optional)

| PART NUMBER | | PATHLENGTH (mm) |
|-------------|----------|-----------------|
| 25 mm | 32 mm | |
| 162-1110 | 162-1210 | 0.015 |
| 162-1120 | 162-1220 | 0.025 |
| 162-1130 | 162-1230 | 0.050 |
| 162-1140 | 162-1240 | 0.100 |
| 162-1150 | 162-1250 | 0.200 |
| 162-1160 | 162-1260 | 0.500 |
| 162-1170 | 162-1270 | 1.000 |
| 162-1190 | 162-1290 | Assortment |

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

REPLACEMENT PARTS

| PART NUMBER | DESCRIPTION |
|-------------|-----------------------------------------------|
| 162-3621 | Viton® Barrel O-Rings for 25-mm cell (12 ea.) |
| 162-1330 | Viton Barrel O-Rings for 32-mm cell (12 ea.) |
| 162-3620 | Teflon® O-Ring, 25 mm (12 ea.) |
| 162-1320 | Teflon O-Ring 32 mm (12 ea.) |

Note: For more Press-On Demountable Liquid Cell options, please contact PIKE Technologies.

MULLING AGENTS

| PART NUMBER | DESCRIPTION |
|-------------|-------------|
| 161-0500 | Nujol® |
| 161-0510 | Flourolube® |