

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®