

Super-Sealed Liquid Cells – For Precision, Fixed Pathlength Liquid Sampling



FEATURES OF THE SUPER-SEALED LIQUID CELL

- Permanently mounted cell with fixed pathlength to provide maximum reproducibility of sample absorbance
- Flexible window selection for optimizing spectral range and sample compatibility
- Full range of cell pathlengths for optimized quantitative measurements
- Compatible with all FTIR spectrometers

The PIKE Technologies Super-Sealed Liquid Cells are ideal for quantitative analysis of liquid samples, especially where precise, reproducible pathlength is required.

The PIKE Technologies Super-Sealed Liquid Cells are designed to be leak-proof for long-lasting sampling and cost efficiency. The Super-Sealed Liquid Cells are amalgamated, further sealed with epoxy, and held firmly within the standard 2" x 3" slide mount card compatible with all FTIR spectrometers. The PIKE Technologies Super-Sealed Liquid Cells include Luer-Lok fittings for easy syringe filling of the sample. The clear aperture of the assembled cell is 13 mm.

The PIKE Technologies Super-Sealed Cells are available in a wide variety of window materials and sampling pathlengths.

ORDERING INFORMATION

Super-Sealed Liquid Cells – Window Options (select 1 or more)

Path (mm)	0.015	0.025	0.050	0.10	0.15	0.20	0.50	1.0	5.0	10.0
Volume (ml)	0.054	0.090	0.18	0.36	0.54	0.72	1.8	3.6	18	36
BaF ₂	162-1640	162-1641	162-1642	162-1643	162-1649	162-1644	162-1645	162-1646	162-1647	162-1648
CaF ₂	162-1630	162-1631	162-1632	162-1634	162-1635	162-1636	162-1633	162-1637	162-1638	162-1639
CsI	162-1680	162-1681	162-1682	162-1683	162-1689	162-1684	162-1685	162-1686	162-1687	162-1688
KBr	162-1620	162-1621	162-1622	162-1623	162-1624	162-1625	162-1626	162-1627	162-1628	162-1629
KRS-5	162-1660	162-1661	162-1662	162-1663	162-1669	162-1664	162-1665	162-1666	162-1667	162-1668
NaCl	162-1610	162-1611	162-1612	162-1613	162-1614	162-1615	162-1616	162-1617	162-1618	162-1619
SiO ₂	162-1609	162-1601	162-1602	162-1603	162-1700	162-1771	162-1605	162-1606	162-1607	162-1608
ZnSe	162-1650	162-1651	162-1652	162-1653	162-1659	162-1654	162-1655	162-1656	162-1657	162-1658
ZnS	162-1670	162-1671	162-1672	162-1673	162-1679	162-1674	162-1675	162-1676	162-1677	162-1678

Notes: All PIKE Technologies Super-Sealed Cells include Teflon stoppers. Please select 2 syringes (below) for filling the Super-Sealed Cell.

Super-Sealed Liquid Cell Replacement Parts

PART NUMBER	DESCRIPTION
162-1300	Teflon Stoppers (12 each)
161-0520	Glass Syringe, 1 ml
161-0521	Glass Syringe, 2 ml
161-0522	Glass Syringe, 5 ml

Notes: For other options please contact PIKE Technologies.