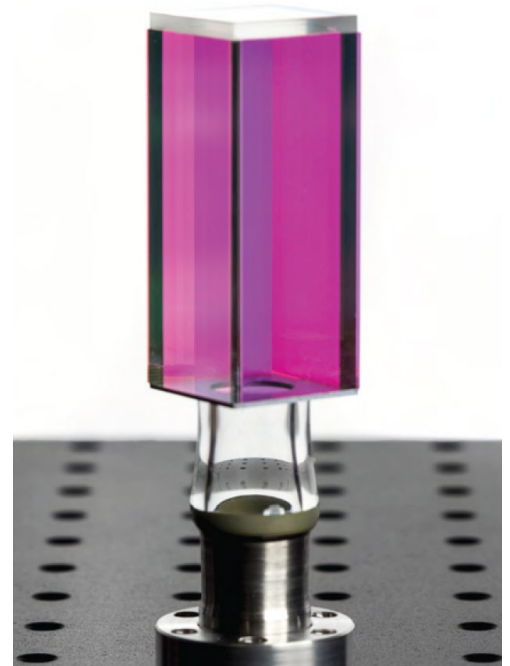


Square Cell

PRODUCT HIGHLIGHTS

- Ultra-high vacuum glass cell
- Anti-reflection (AR) coatings on inside and outside surfaces of all cell walls
- Bakeable to high temperatures
- Epoxy-free and frit-free assembly

Infleqtion's high-quality glass cells offer a superior level of optical access to in-vacuum experiments. Assembled with an optical contacting process, the AR-coated cell offers high optical flatness, resulting in minimal optical distortion through the cell. The cells are bonded without the use of epoxy or other bonding agents, giving them excellent outgassing properties ideal for ultra-high vacuum applications.



PRODUCT SPECIFICATIONS

Outer Cell Dimensions (W x D x L)	26 mm x 26 mm x 63 mm
Internal Cell Dimensions (W x D x L)	20 mm x 20 mm x 60 mm
Wall Thickness	3 ± 0.05 mm
Optical Flatness	< $\lambda/2$ per 10 mm dia. aperture, peak-to-valley (PV) flatness
Coating Options	• IBS targeted (H) AR coating for rubidium, cesium, potassium, sodium, at 767 nm, 780 nm, 790 nm, 852 nm and 1064 nm • IBS broadband (K) AR coating, minimal reflectance from 450 nm – 1070 nm • Uncoated • Custom coatings can be considered
Bake Out Temperature	Up to 300 °C
Ramp Up/Down Temperature	1 °C/min
Flange Width (Conflat)	DN16 (1.33", 33.78 mm) DN40 (2.75", 69.85 mm)
Flange Height	DN16: H = 48 ± 2 mm DN40: H = 48 ± 2 mm
Cell Material	Borofloat-33
Scratch Dig	20-10 (inside clear aperture)

PRODUCT OPTIONS

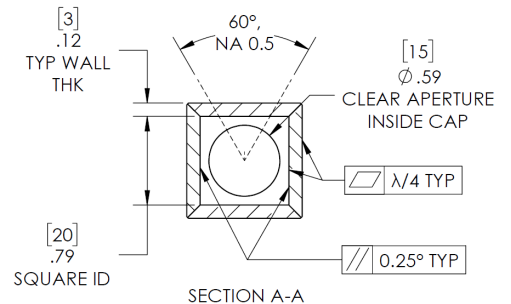
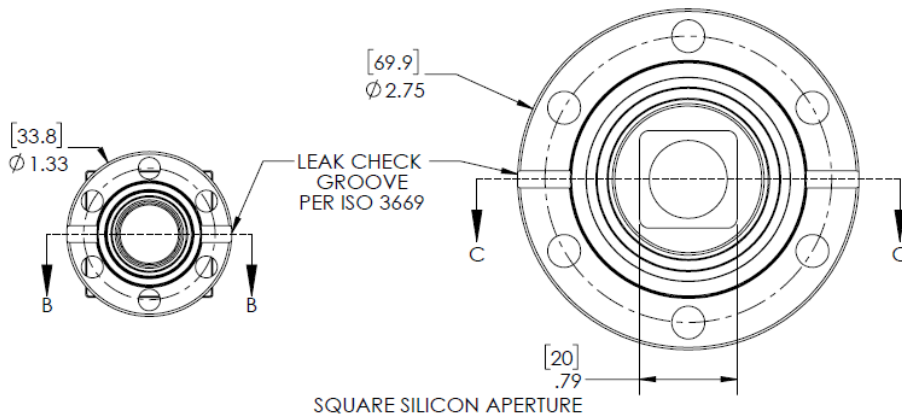
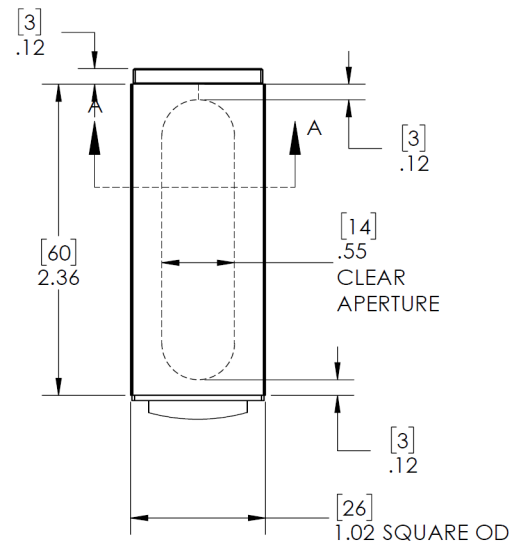
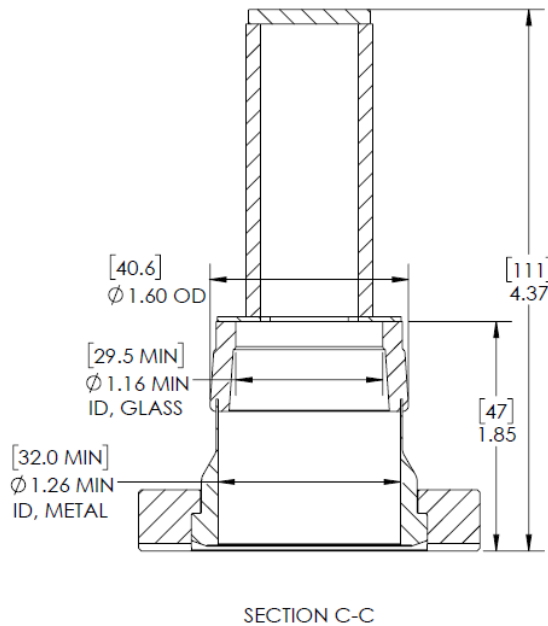
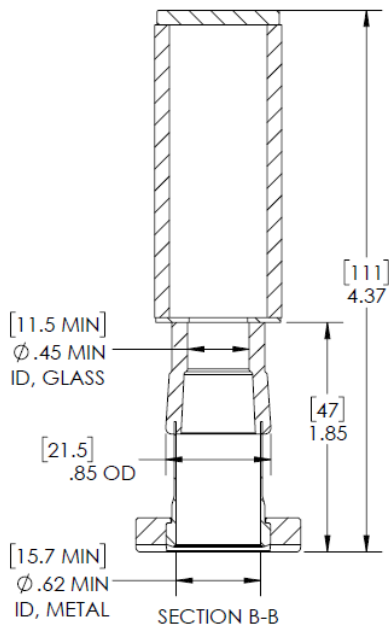
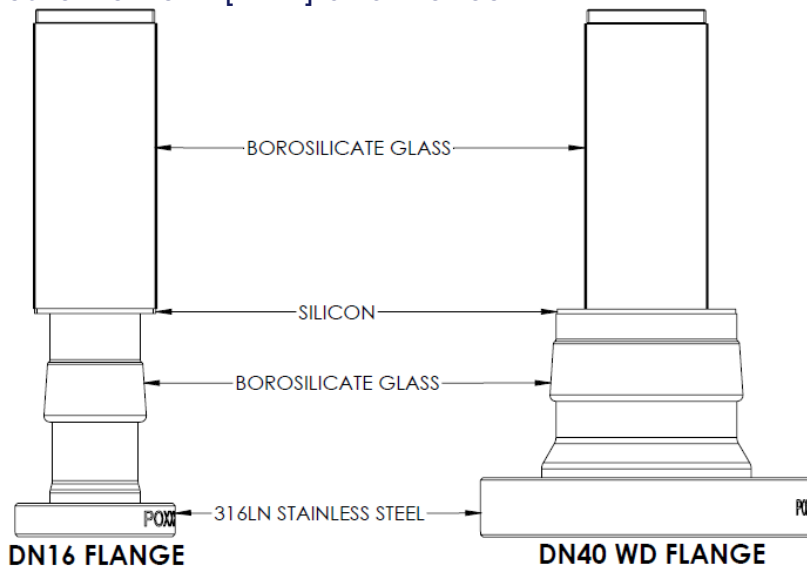
Targeted (H) Coating	CCS202060AXXHB
Broadband (K) Coating	CCS202060AXXKB
Uncoated (N) Cell	CCS202060AXXNB

"X" notes flange size

For more information,
please contact
sales@infleqtion.com

MECHANICAL DRAWINGS

Measurements in [mm] and inches



UNCONTROLLED SALES DRAWING

For more information, please contact sales@inflection.com