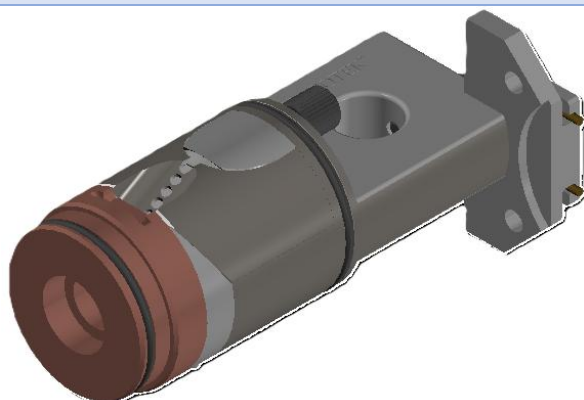


CTLH-SC55-SEHP-IF



	^{18}F	^{68}Ga	^{13}N
Max Current ¹	90 μA	50 μA	90 μA
Physical Yield ²	124 mCi/ μA	4.8 mCi/ μA	6.4 mCi/ μA
Fill Volume	2.5–3.0 mL		
Chamber Volume	5.5 mL		
Chamber Material	Niobium	Niobium	Aluminum
Body Material	Aluminum 6061-T6		
Connections	10–32 coned fittings, PEEK		
Window Material	HAVAR® 30 μm , Ta coated		HAVAR® 30 μm
Seals	BUNA-N and FKM		FKM
Fluid Path	Ta, Nb, PEEK and BUNA-N		HAVAR®, Al & FKM
Dimensions	42mm (D) x 100mm (L)		

¹ Engineering design parameters.

² Preliminary Yield. The SC55-IF is currently in the beta testing stage. Requires centered beam with uniform profile.

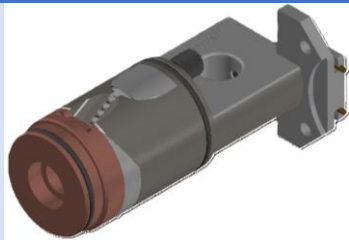
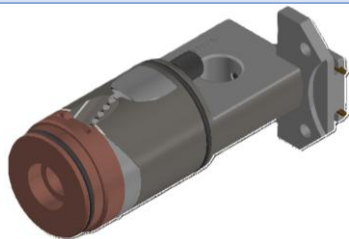
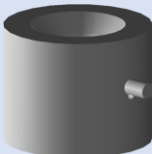
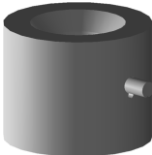
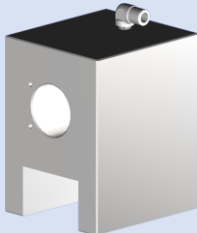
Technical Performance & System Integration

- **Direct Integration:** Compatible with the Siemens Eclipse HP cyclotron target changer.
- **Fluid path:** Utilizes industry-standard 10–32 coned fitting ports. Eliminates legacy OEM stainless steel tubes.
- **Yield Stability:** Tantalum-coated HAVAR® foils stabilize ^{18}F yields and reduce metal contaminants.
- **Tracer Chemistry:** Low-contaminant fluid path meets critical requirements for Al ^{18}F synthesis.
- **Chemical Resistance:** Iron-free fluid path tolerates weak acid exposure.
- **Liquid Radiometals:** Designed for compatibility with liquid-phase radiometal production.

Note: Liquid ^{68}Ga and radiometal production require specific fluid path upgrades to the Target Support Unit (TSU).

Stracotek reserves the right to change, add, suspend, cancel, remove or otherwise modify the products offered in this brochure at any time without prior notice or obligation.

Ordering information

Description	Part Number	Image
5.5 mL liquid target for ^{18}F and ^{68}Ga compatible with Eclipse HP Cyclotrons, Niobium chamber.	CTLH-SC55-SEHP-IF-NB	
5.5 mL liquid target for ^{13}N compatible with Eclipse HP Cyclotrons, Niobium chamber.	CTLH-SC55-SEHP-IF-AL	
Target rebuild kit for CTLH-SC55-SEHP-IF-NB targets	TRK- CTLH-SC55-SEHP-IF-TA	
Target rebuild kit for CTLH-SC55-SEHP-IF-AL ^{13}N targets	TRK- CTLH-SC55-SEHP-IF	
Workbench mount for Eclipse HP Target, Material: Stainless Steel	CT-WBM-SEHP-SS	
Workbench mount for Eclipse HP Target, Material: Lead	CT-WBM-SEHP-PB	
Workbench testing unit for Eclipse HP Targets	CT-WBT-SEHP	
O-ring pick tool	CTL-TL-OSP	