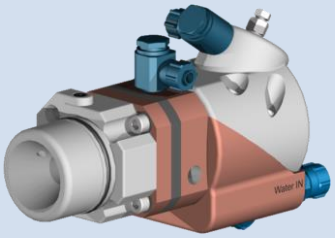
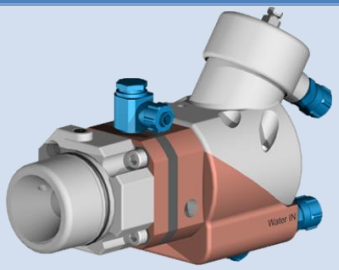
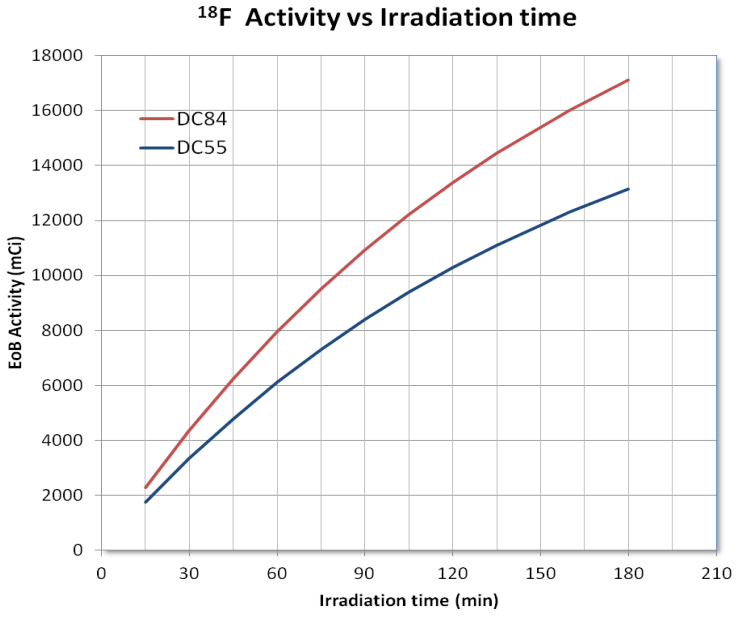
Liquid Targets for Cyclone Cyclotrons

		CTL-DC55-IB	CTL-DC84-IB
			
Chamber material		Niobium for ^{18}F / Aluminum for ^{13}N	
Fill Volume		3.5 mL	3.8 mL
Dimensions (mm)		174 (L) x 64 (W) x 102 (H)	181 (L) x 64 (W) x 113 (H)
Water window material		HAVAR®, 35 µm	
Vacuum window material		HAVAR®, 12.5 µm	
^{18}F	Max Current	90 µA	120 µA
	Yield[1] (2 hr)	10.3 Ci (381 GB)	13.7 Ci (507 GBq)
	Sat Yield[1]	210 mCi/µA (7.8 GBq/µA)	215 mCi/µA (8.0 GBq/µA)
^{13}N	Max Current	70 µA	90 µA
	Yield[1] (30 min)	0.9 Ci (33.3 GBq)	1.2 Ci (44.4 GBq)
	Sat Yield[1]	30 mCi/µA (1.1 GBq/µA)	30 mCi/µA (1.1 GBq/µA)
Radiometals	Options	Energy degraders and chemically inert fittings for production of radiometals using solutions.	



[1] Yields may vary with each cyclotron system