

SURPLUS CRYOGENIC EQUIPMENT PRICED FOR QUICK SALE

- All items are at our facility in Vancouver, BC, CANADA
- All items are sold “as is, where is”. This means
 - No warranty applies; and
 - Prices are “Ex-Works” – shipping is extra. (We can assist with shipping arrangements for a nominal fee).

ITEM #	CLASS	QTY	DESCRIPTION	SPECS / SIZE	CONDITION	Approx. New \$US Price	US\$ PRICE	Approx. Weight (lbs)
Q01	CRYO	1	LHe dewar, 100 litre, Cryenco, stainless steel, casters, wide neck (ports 1 x 1.9" or 2 x 5/8")	Dewar alone: 23" diam x 59" tall On stand: 28" x 28" x 58" tall Wide neck	Excellent	\$3,500	\$950	250
Q02	CRYO	1	LHe dewar, 100 litre, Cryenco, steel, with 2 x 5/8" access ports, Magnahelic level gauge, casters	Dewar alone: 23" diam x 59" tall On stand: 28" x 28" x 58" tall	Rust spots showing through paint	\$3,500	\$450	250
Q21	CRYO	1	LHe dewar, 100 litre, Cryenco, steel, with 2 x 5/8" access ports, Magnahelic level gauge, casters	Dewar alone: 23" diam x 59" tall On stand: 28" x 28" x 58" tall	Many rust spots showing through paint	\$3,500	\$450	250
Q20, Q22	CRYO	2	LHe dewar, 50 litre, Cryenco, steel with 5/8" access port and casters	Dewar alone: 21" diam x 56" tall On stand: 28" x 28" x 61" tall	Small rust spots showing through paint	\$2,500	\$450	250
Q06	CRYO	1	Cryostat, LHe, with closed-cycle cryocooler	APD202 Cold Head with dip tube access for sample		\$100,000	\$9,000	200
Q06	CRYO	2	Cryostat, LHe, with closed-cycle cryocooler, with compressor	APD202 Cold Head with dip tube access for sample		\$120,000	\$29,000	500
Q13	CRYO	1	Magnet cryostat, high boiloff, with superconducting magnet	Magnet: NbTi, 18" diam x 60" tall 5T at 10A, 1" clear bore		\$16,000	\$2,600	200
Q16	CRYO	1	Air Products Helium Liquefier (compressor not included)	Liquefaction rate with 1 RSS compressor: 6 L/hr without LN2 precooling 12 L/hr with LN2 precooling 2'-6" x 3'-10" x 1'-10"	Good operating condition (30 years old) Last running Sept 2004	\$260,000	\$24,000	2000
Q29	CRYO	1	Koch Model 2800HR Helium Liquefier (compressor not included)	Liquefaction rate with 1 RRS compressor: 20 L/hr without LN2 precooling 45 L/hr with LN2 precooling (more with more compressors)	22 years old	\$540,000	\$49,000	10000
Q37	CRYO	1	Superconducting magnet NbTi, low current	5T at 10A, 1" bore		\$6,000	\$600	100

Q38	CRYO	1	Cold head, CTI Model 350	5W at 20K, 40W at 77K (with 3hp compressor—not included)	NEW - Never Used 12 month warrantee	\$7,000	\$5,000	35
Q38B	CRYO	1	Cold head, CTI Model 350 with compressor and lines complete operating system	5W at 20K, 40W at 77K	NEW - Never Used	\$12,000	\$9,999	300
Q48a	CRYO		GB220 Cold Head		USED	\$6,000	\$1,900	200
Q48b	CRYO		GB220 Cold Head with Compressor		USED/NEW	\$16,000	\$11,900	400
Q49	CRYO		CTI 1020 Cold Head Motor and Displacer			\$6,000	\$2,900	35
Q50	CRYO		LN2 Dewar	35 L	Beat up, still works	\$350	\$350	50
Q40	ELEC	1	Electronics rack, 19", enclosed	24" x 36" x 78" tall	NEW – never used	\$1,100	\$550	200
Q15	ELEC	1	Electronics rack, 19", open	24" x 21" x 72" tall		\$1,000	\$100	100
Q18	ELEC	1	Philtek DC Power Supply M/N PPS 5/900S	Output 0-5 V, 0-900 A, 0.01% regulation Input 120/208VAC 60Hz 3ph 4-wire 2'-2" x 3'-3" x 6'-8" tall		\$15,000	\$1,500	700
Q19	ELEC	1	Electrical phase converter (on wheeled rack)	Single phase to 3-phase converter 7.5 kVA 220V 1ph motor with belt pulley to 5kVA 220V 3ph generator Pulleys for 60Hz or conversion to 50Hz 2'-3" x 3'-0" x 4'-5" tall		\$9,500	\$1,900	400
Q26	ELEC	1	Transformer 480/220V, 5kVA			\$900	\$190	80
Q31	ELEC	1	Power supply for superconducting magnet, Oxford Instruments, S/N 25/103	Meters: 250A fs, +/-5V fs, 208VAC 3ph		\$20,000	\$6,000	100
Q33	ELEC	1	Lock-in amplifier EG&G PARC M/N 5204, S/N 16111			\$8,000	\$850	20
Q39	ELEC	1	DC ammeter with clamp probe HP M/N 428B			\$7,000	\$900	20
Q51	ELEC		Insulation Seal	UHV Feedthrough	NEW	\$450	\$200	3
Q14	GAS	1	Oil charging unit Air Products P/N 250374C			\$1,000	\$100	20
Q23	GAS	1	LP gas cylinder, steel, 100lb	Water capacity 238 lb 15" diam x 48" tall				71

Q32	GAS	1	Leak detector, Varian M/N 936-40		USED - needs tune	\$15,000	\$5,000	30
Q42, Q43	GAS	2	Gas meter			\$200	\$100	10
Q44, Q45	GAS	2	Helium compressor module, scroll, Hitachi	3HP, 208VAC	NEW	\$2,000	\$2,000	80
Q46	GAS	1	Nitrogen separation membrane			\$4,500	\$4,500	20
Q47	VAC	1	Vacuum pump, roughing, belt drive	~3' x 2' x 2.5' tall	USED	\$12,000	\$9,000	300
Q35, Q36	VAC	2	Vacuum pump, roughing Welch M/N 1402	1/2 HP motor	USED	\$5,000	\$4,000	120
Q25	VAC	1	Vacuum pump, Varian SD300	11SCFM, 3/4 HP	USED	\$5,000	\$2,500	25
Q34	VAC	1	Vacuum pump, roughing Robinair P/N 15600	6SCFM, 1/2 HP		\$800	\$80	5
Q17	VAC	1	Vacuum pump, roughing	1/2 hp motor				
Q24	VAC	1	Diffusion pump NRC M/N 0185, S/N T074	480VAC, 5kW fluid charge: 1000 ml		\$4,500	\$450	200
Q03	VAC	1	Diffusion pump	7" ID, 10.75" OD, water-cooled baffle		\$3,000	\$300	30
Q08, Q10	VAC	2	Ion pump, Varian M/N 911-5034	Four Ba ferrite magnets, each 4" x 5" x 3/4"		\$2,500	\$250	30
Q11, Q12	VAC	2	Varian StarCell power unit for ion pump - M/N 929-0180	10kV, 200mA meter scale		\$2,500	\$250	15
Q04	VAC	1	Vacuum valve, Veeco, brass, with pneumatic actuator and trap	2" diam port with 1/2" manual Veeco valve and 2" SS Mol sieve trap with		\$900	\$90	10
Q05	VAC	1	Vacuum valve, Veeco, brass, with pneumatic actuator	One 2" diam and one 3/4" diam on brass tee		\$900	\$90	10
Q07, Q09	VAC	2	Vacuum gate valve, Vacuum Research Corp. With 7.5" OD ASA flange and pneumatic actuator			\$2,500	\$250	20