

Ammonia Desuperheater Water Heaters

The CADS Series Desuperheater/Water Heater is installed in the compressor discharge line and removes the superheat energy of the gas to heat potable water. Units save money by reducing head pressure and cutting water heating costs. Tube-in-tube Counter Flow design results in highly efficient heat transfer, making paybacks very attractive. Vented double wall stainless steel construction provides safety from cross-contamination of the potable water while protecting the refrigeration circuit. CADS units feature a vent path between the outer and inner tubes, meaning if a tube leak would occur, it would vent to the atmosphere and be detected. The heavy-duty construction is designed for use in ammonia refrigeration systems such as ice rinks, food processing plants, milk and ice cream plants and food distribution facilities. Units are constructed of carbon steel on the shell side and 304L stainless steel on the tube side. The Vented Double Wall and mechanically cleanable design is U.L. and USDA listed. Units are gravity drain design with 300 psig shell side DWP and 150 psig tube side DWP.



Ice Rinks

dii Model Number	List Price (C) Cabinet Outdoor	List Price (F) Frame Only Indoor	NH3* TR at 10/95F	GPM Potable Water 60-110F	Length (inches)	Width (inches)	Height (inches)	Refrig. B.W.	Water N.P.T.	Shipping Weight (lbs.)
CADS 5.5	\$5,085.00	\$3,570.00	25	1.23	62	3-3/4	24-5/8	1-1/4	5/8 OD	230
CADS 11M5.5	\$10,090.00	\$7,580.00	50	2.46	70	7-1/4	28	2	3/4	400
CADS 16.5M5.5	\$13,255.00	\$10,745.00	75	3.69	70	10-1/2	28	2-1/2	3/4	500
CADS 22M5.5	\$16,420.00	\$13,910.00	100	4.92	70	13-3/4	28	2-1/2	1	600
CADS 27.5M5.5	\$19,580.00	\$16,980.00	125	6.15	70	17	28	3	1	700
CADS 33M5.5	\$22,690.00	\$20,080.00	150	7.38	70	20-1/4	28	3	1-1/4	800
CADS 38.5M5.5	\$25,770.00	\$23,170.00	175	8.61	70	28-1/2	32-1/4	4	1-1/4	1000
CADS 44M5.5	\$28,720.00	\$26,110.00	200	9.84	70	31-3/4	32-1/4	4	1-1/4	1125
CADS 49.5M5.5	\$31,680.00	\$29,080.00	225	11.07	70	35	32-1/4	4	1-1/2	1250
CADS 55M5.5	\$34,650.00	\$32,050.00	250	12.30	70	38-1/4	32-1/4	4	1-1/2	1375
CADS 60.5M5.5	\$37,790.00	\$35,185.00	275	13.53	70	42-1/2	32-1/4	5	1-1/2	1500
CADS 66M5.5	\$40,935.00	\$38,335.00	300	14.76	70	45-3/4	32-1/4	5	1-1/2	1625
CADS 71.5M5.5	\$44,050.00	\$41,450.00	325	15.99	70	49	32-1/4	5	2	1750

Food Processing

dii Model Number	List Price (C) Cabinet Outdoor	List Price (F) Frame Only Indoor	NH3* TR at 10/95F	GPM Potable Water 60-110F	Length (inches)	Width (inches)	Height (inches)	Refrig. B.W.	Water N.P.T.	Shipping Weight (lbs.)
CADS 8	\$6,160.00	\$4,640.00	25	1.82	60	3-3/4	32-5/8	1-1/4	5/8 OD	350
CADS 16M8	\$12,230.00	\$9,720.00	50	3.64	68	7-1/4	36	2	3/4	500
CADS 24M8	\$16,470.00	\$13,960.00	75	5.46	68	10-1/2	36	2-1/2	3/4	625
CADS 32M8	\$20,705.00	\$18,195.00	100	7.28	68	13-3/4	36	2-1/2	1	725
CADS 40M8	\$25,240.00	\$22,340.00	125	9.10	68	17	36	3	1	825
CADS 48M8	\$29,420.00	\$26,515.00	150	10.92	68	20-1/4	36	3	1-1/4	925
CADS 56M8	\$33,870.00	\$30,675.00	175	12.74	68	28-1/2	40-1/4	4	1-1/4	1300
CADS 64M8	\$37,910.00	\$34,710.00	200	14.56	68	31-3/4	40-1/4	4	1-1/4	1450
CADS 72M8	\$41,945.00	\$38,750.00	225	16.38	68	35	40-1/4	4	1-1/2	1600
CADS 80M8	\$45,990.00	\$42,795.00	250	18.20	68	38-1/4	40-1/4	4	1-1/2	1750
CADS 88M8	\$50,180.00	\$46,975.00	275	20.02	68	42-1/2	40-1/4	5	1-1/2	2000
CADS 96M8	\$54,400.00	\$51,195.00	300	21.84	68	45-3/4	40-1/4	5	1-1/2	2150
CADS 104M8	\$58,590.00	\$55,385.00	325	23.66	68	49	40-1/4	5	2	2300

* Performance: GPM of potable water heater from 60°F to 110°F with TR shown and 220°F discharge temperature.