

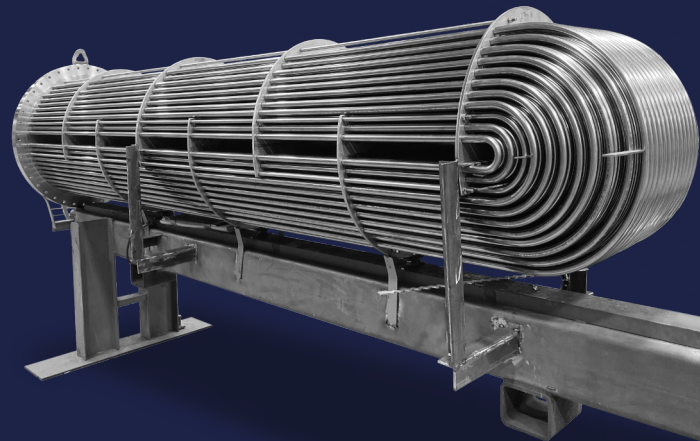


# Water Circulating Cryogenic Vaporizer

FinnCo Water Circulating Cryogenic Vaporizers use existing cooling or heating water circuits to vaporize and superheat cryogenic fluids, providing a low capital cost and low maintenance vaporizing system.

The Water Circulating Cryogenic Vaporizer can use water as cold as 50°F or glycol/water down to 30°F as a heat source for direct to process vaporization or cryogen disposal.

Manufactured with stainless steel product contact pressure parts to TEMA standards, they have ASME Sec VIII stamped shells and tube bundles.



FinnCo's Water Circulating ASME Sec VIII-stamped vaporizer is fully customizable.



## WATER CIRCULATING VAPORIZERS

**STANDARD DIRECT TO PROCESS VAPORIZER;** 150 psig N<sub>2</sub>, LNG; 30°F Outlet; 50°F Water with 4-5°F Drop

Model	Flowrate		Water Flow Rate, GPM	Weight, Lbs	Approx Dimensions	Connection Sizes, Inches		
	N <sub>2</sub> , SCFH	LNG, SCFH				Water, inlet/outlet	Process In	Process Out
FWC-50K-8	50,000	40,400	275	1,100	15' x 1'-2" x 3'	4	1	2
FWC-100K-12	100,000	80,700	550	1,900	15' x 1'-8" x 3'	6	1-1/2	3
FWC-200K-14	200,000	161,000	1,100	2,500	15' x 1'-9" x 4'	8	1-1/2	4
FWC-300K-16	300,000	242,000	1,650	3,100	17' x 2' x 4'	10	2	6
FWC-500K-20	500,000	404,000	2,750	4,200	17' x 2'-3" x 5'	12	3	6
FWC-750K-24	750,000	605,000	4,120	5,800	17' x 2'-8" x 5'	16	3	8
FWC-1000K-30	1,000,000	807,000	5,500	8,200	18' x 3'-2" x 5'	20	4	8
FWC-2000K-42	2,000,000	1,610,000	8,500	14,000	18' x 4'-5" x 6'	26	6	10

**STANDARD DISPOSAL VAPORIZER;** 150 psig N<sub>2</sub>, O<sub>2</sub>; 30°F Outlet; 50°F Water with 4°F Drop

Model	Flowrate	Water Flow Rate, GPM	Weight, Lbs	Approx Dimensions	Connection Sizes, Inches		
	N <sub>2</sub> /O <sub>2</sub> , LBS/HR				Water, inlet/outlet	Process In	Process Out
FWCD-5-12	5,000	360	1,700	9' x 1'-8" x 3'	6	1-1/2	6
FWCD-10-18	10,000	730	2,700	9' x 2'-1" x 4'	8	2	8
FWCD-25-24	25,000	1,820	4,100	9' x 2'-8" x 5'	12	3	12
FWCD-50-36	50,000	3,640	6,800	9' x 3' x 6'	18	4	16
FWCD-100-54	100,000	7,000	13,300	11' x 5'-6" x 7'	24	6	22

## SPECIFICATIONS

- Cryogenic SS tube bundle rated at 250 psig @-320/+150°F; TEMA compliant
- Carbon steel shell rated at 75 psig @-20/+150°F
- ANSI flanges
- Lifting lugs
- Vent and drain connections

## OPTIONS

- Customized for various process conditions and water flow rates
- Pressure building circuit
- Gasfired water heater and pump circuit
- Various alloys available