

Next Gen Hot Water System

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CO2 Hot Water Heater Efficiency Sustainable

Product Catalogue



Saving Technology

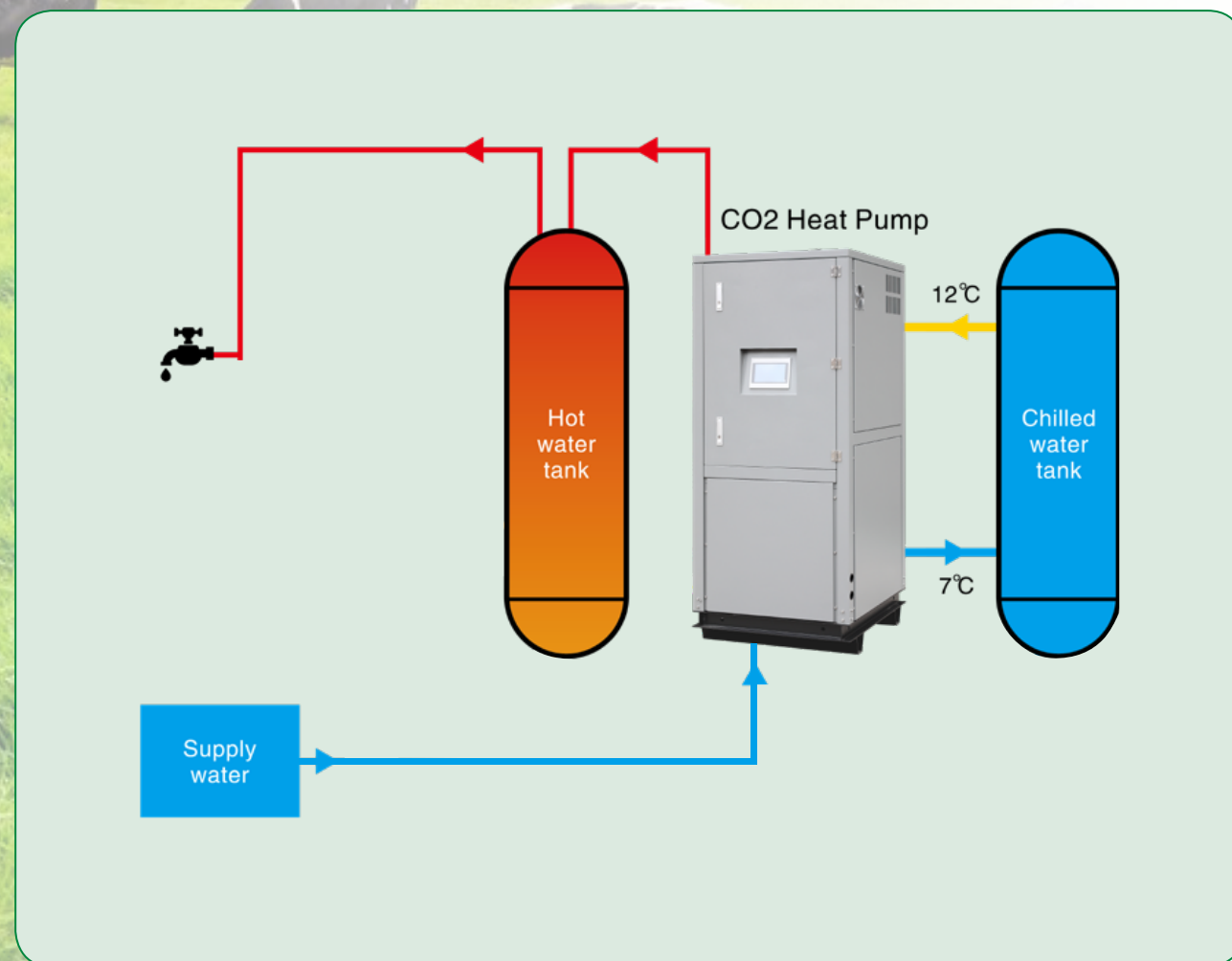
Dairy CO2 Water to Water hot Water Heaters

Collect heat from the water source (ground water or waste water) and heat the useful water, max

up to 95°C.

Compact monobloc design, with high energy efficient, COP max 5. Also at cooling side, it will offer free chilled water, for fan coil cooler or industry purpose, some cases will use both the heating and cooling, the combine COP will reach 7, which means it will save 85% of the daily cost.

Will be also suitable for domestic hot water, space heating, district central heating, swimming pool, hotels, gas boiler replacement, commercial and industry usage.



8~14ZW-NZ



160ZW-NZ

INVERTER CO2(R744) water to water heat pump specification

Parameters		E2E	8ZWA-NZ	14ZWA-NZ	40ZWA-NZ	75ZWA-NZ	120ZWA-NZ	160ZWA-NZ	250ZWA-NZ
Hot Water Side	Heating Capacity	kW	8.00	14.00	39.3	76.3	118	156	250
	Hot Water Capacity	L/H	172	301	750	1450	2256	2980	4350
	Heating Power Input	kW	1.56	2.85	8.1	16.5	25	37.1	62
	COP	W/W	5.1	4.9	4.8	4.6	4.7	4.2	4.03
Cool Water Side	Cooling Capacity	kW	6.44	11.15	31	59.8	86.2	118.9	185
	Cool Water Capacity	L/H	1107	1917	6000	10000	14500	20400	33870
	COP	W/W	4.12	3.91	3.82	3.63	3.45	3.2	2.98
Power Supply	V/Ph/Hz	V/Ph/Hz	208~240V~50Hz/60Hz		380~440V/3PH/50~60Hz				
Heating Type			Direct						
Output Water Temperature		°C	45~90						
Input Water Temperature		°C	5~50						
Water Source Temperature		°C	5~30						
Compressor	Type		Panasonic		Dorin(Italy)			Bitzer (German)	Dorin (Italy)
Circulation Water Pump	Brand		Nidec		Wilo				
	Power	kW	0.05		0.37	0.55	1.1	1.5	2
Hot Water Connection Size		mm	DN15		DN20	DN25	DN32	DN40	DN60
Cool Water Connection Size		mm	DN15		DN32	DN40	DN50	DN80	DN100
Water Heat Exchanger	Type		Tube Type/PHE						
Refrigerant	Type		R744/CO ₂						
Controller	Brand		Carel						
Dimensions	Length	mm	700		800	1742	900	900	1750
	Width	mm	700		900	996	900	900	900
	Height	mm	1088		1906	1540	1910	1910	1625
Unit Noise Level		dB(A)	44	48	49	50	54	65	75
Net Weight		kg	120	160	450	790	850	900	2800
Inverter (VFD)			DC		AC				

Note:

1.Standard temperature condition: water temperature: inlet 15°C,outlet 55°C water source temperature:inlet 12°C,outlet 7°C