



The coilex solution

STAINLESS STEEL INDIRECT WATER HEATERS

## Coilex Hot Water Comfort

Coilex Indirect Water Heaters provide you with the comfort and convenience that you deserve.

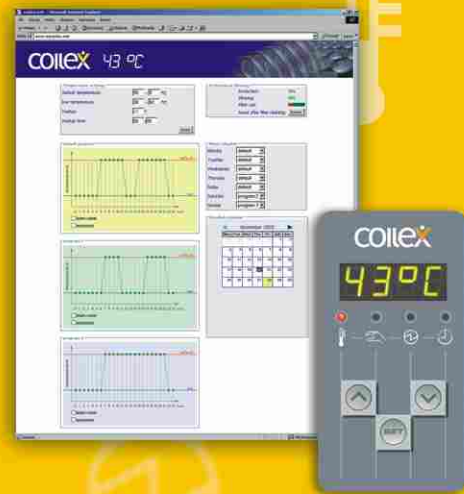
Turn to Coilex Indirect Water Heaters for a constant supply of hot water, any time of the day.

Our precise sensing and temperature control guarantees stable hot water temperatures throughout your distribution lines.

## Coilex Hygiene and Cleanliness

For quality assurance, Coilex is fabricated entirely of a high grade stainless steel. In addition, the system is thoroughly protected by a film of chromium oxide that serves as a barrier against oxidization and various types of corrosion. Coilex Indirect Water Heaters are built with the unique NoGaps® design, a construction principle assuring that there are no gaps or crevices within the tank.

This eliminates potential areas where sediments, dirt, and bacteria may accumulate within the system.



## Coilex Intelligence

Coilex introduces a new approach to water storage and indirect heating technology. Coilex Indirect Water Heaters are equipped with one of the most advanced control systems on the market. A thermostat processor with keypad and display adjusts and maintains the water temperature by controlling pumps and valves connected to the heating coils. Coilex is separated from high voltage, and contrary to the old designs, the control system is designed to eliminate any possibility of electrical shock. Thanks to the self-taught built-in processor, Coilex automatically adapts to the requirements of the system, thus increasing the efficiency and economics of the system. By using an Internet browser, you now have full remote control of your system.

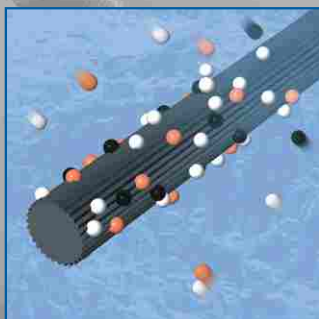
## Coilex Indirect Heat Exchangers

The shape and design of the heating coils is optimized to give Coilex high heat recovery rates and to increase the effectiveness of the system. Additionally, the optional second coil is ideal for use in dual source heating systems.

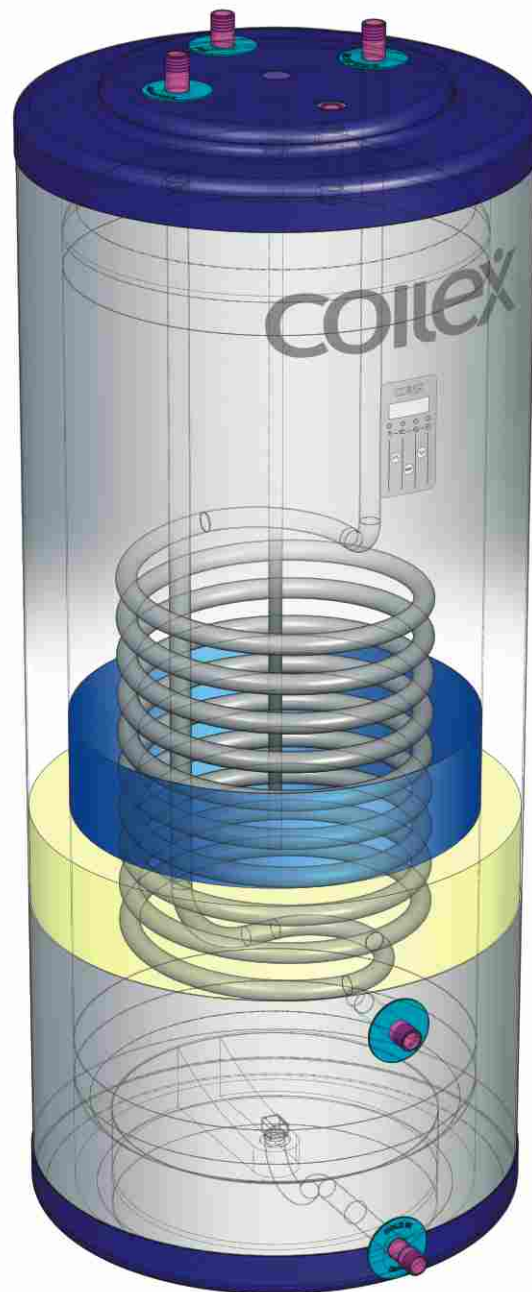
## Coilex Electronic Protection

Coilex is equipped with a new electronic protection and filtering system. It consists of computer and graphite electrode that guarantees trouble-free operation for many years, even with low water quality.

Coilex can be connected to a computer through which the parameters of the water heater can be monitored and modified.

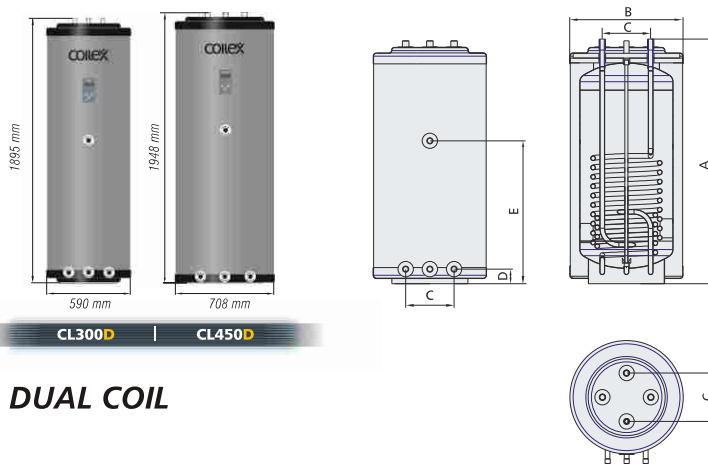


Coilex Electronic Protection



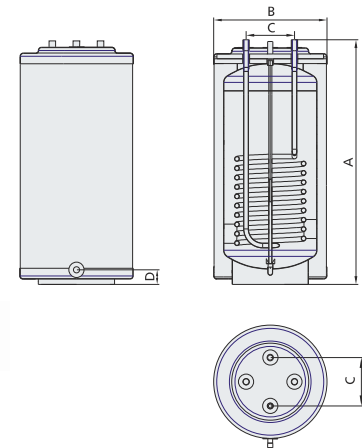
## Coilex Optimal Insulation

The optimal insulation with appropriate heat transfer coefficients is designed to minimize heat loss during water storage. The high quality outer jacket material protects Coilex from scratches and dirt while providing for the system longevity.

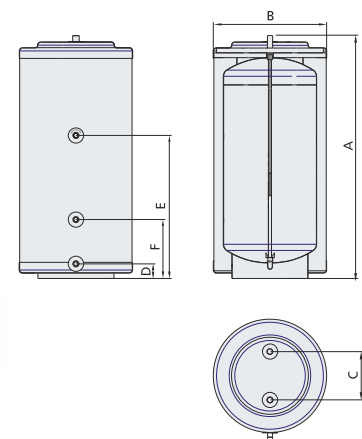


## DUAL COIL

Type	Hot inlet temperature	Continous capacity								Capacity		Hot water flow	Heat loss (24h)
		Cold water inlet $t_{zW}=10^{\circ}\text{C}$								$t_z=10^{\circ}\text{C} / t_{cW}=45^{\circ}\text{C}$			
		Domestic water outlet $t_{cW}=45^{\circ}\text{C}$				Domestic water outlet $t_{cW}=60^{\circ}\text{C}$				Storage water temperature			
		Main coil		Extra coil		Main coil		Extra coil		$t=50^{\circ}\text{C}$	$t=60^{\circ}\text{C}$		
	$^{\circ}\text{C}$	l/h	kW	l/h	kW	l/h	kW	l/h	kW	l/10min.	l/10min.	$\text{m}^3/\text{h}$	kWh
CL100	60	265	10,8	—	—	—	—	—	—	135	—	1,5	1,03
	70	450	18,4	—	—	211	12,3	—	—	148	185	1,5	1,03
	80	586	23,9	—	—	295	17,2	—	—	164	204	1,5	1,03
	90	726	29,6	—	—	359	20,9	—	—	182	228	1,5	1,03
CL150	60	375	15,3	—	—	—	—	—	—	188	—	—	1,11
	70	542	22,1	—	—	279	16,3	—	—	209	262	1,75	1,11
	80	713	29,1	—	—	414	24,2	—	—	232	290	1,75	1,11
	90	886	36,2	—	—	548	31,9	—	—	258	323	1,75	1,11
CL150L	60	386	15,8	—	—	—	—	—	—	194	—	1,75	1,11
	70	559	22,8	—	—	287	16,7	—	—	215	270	1,75	1,11
	80	734	30,0	—	—	426	24,9	—	—	239	299	1,75	1,11
	90	913	37,3	—	—	564	32,9	—	—	266	332	1,75	1,11
CL200	60	468	19,1	—	—	—	—	—	—	243	—	1,75	1,21
	70	676	27,6	—	—	350	20,4	—	—	270	337	1,75	1,21
	80	888	36,3	—	—	517	30,1	—	—	300	375	1,75	1,21
	90	1106	45,2	—	—	684	39,9	—	—	333	416	1,75	1,21
CL250	60	610	24,9	—	—	—	—	—	—	317	—	1,75	1,21
	70	881	36,0	—	—	455	26,6	—	—	352	439	1,75	1,21
	80	1158	47,3	—	—	674	39,3	—	—	392	489	1,75	1,21
	90	1442	58,9	—	—	891	52,0	—	—	434	543	1,75	1,21
CL300	50	617	25,2	322	13,1	—	—	—	—	—	—	2,7/2,7	1,52
	60	844	34,5	432	17,6	—	—	—	—	397	—	2,7/2,7	1,52
	70	1215	49,6	581	23,7	629	36,7	304	17,8	441	552	2,7/2,7	1,52
	80	1597	65,2	781	31,9	934	54,5	413	24,1	490	613	2,7/2,7	1,52
	90	1986	81,1	940	38,4	1232	71,8	490	28,6	545	680	2,7/2,7	1,52
CL450	50	815	33,3	454,3	18,5	—	—	—	—	—	—	3,0/3,0	2,1
	60	1104	45,1	610,7	24,9	—	—	—	—	656	—	3,0/3,0	2,1
	70	1586	64,8	822,3	33,6	825	48,1	432	25,2	729	910	3,0/3,0	2,1
	80	2077	84,8	1106	45,2	1218	71,1	586	34,2	809	1011	3,0/3,0	2,1
	90	2576	105,2	1331	54,3	1600	93,3	692	40,4	899	1125	3,0/3,0	2,1

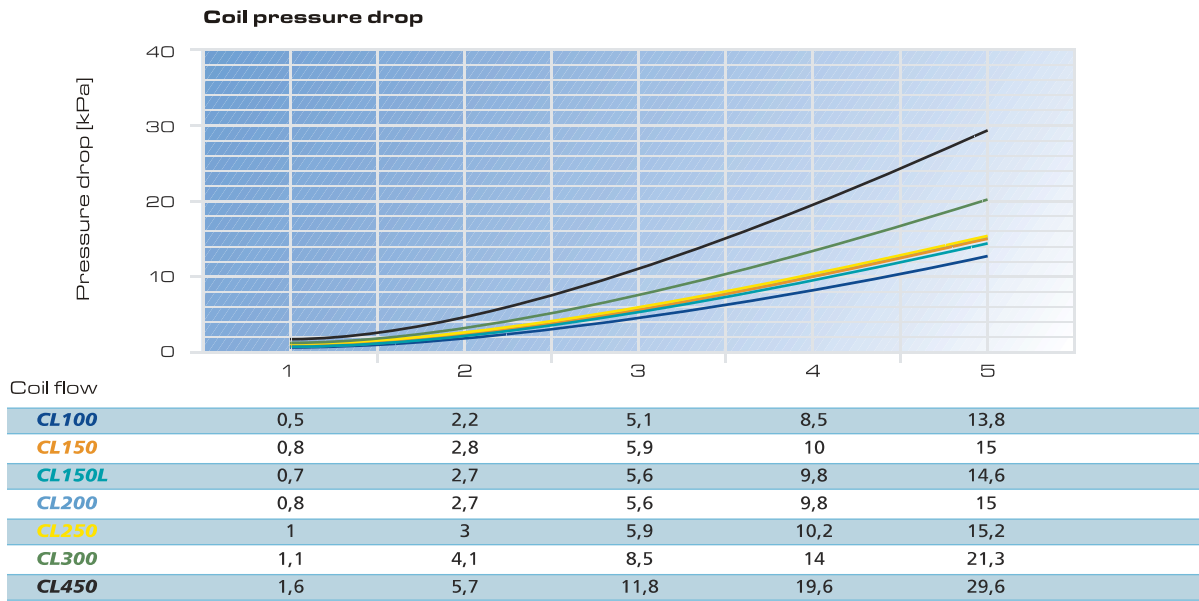


### SINGLE COIL



### BOOSTER





### Coilex Indirect Water Heater Features

- Completely passivated, 316L stainless steel construction ensures reliability and durability of product
- Engineered single coil or dual coil design increases heat transfer rate and equalizes thermal distribution within the tanks
- Connections are accessible from the side of the tank and through the top of the tank for ease of installation and use
- Units are fully drainable and flushable with the drain located at the bottom center
- Quick recovery rate for cost effective operation
- Thermal processor with keypad, web access and self-teaching algorithm
- Electronic protection with graphite electrode
- Compact, lightweight design
- Easy to install, operate and maintain

### Construction

- Completely stainless steel welded construction with NoGaps© design
- Completely passivated

### Materials

<b>Shell Heads:</b>	High grade stainless steel AISI 316L
<b>Heat Exchanger:</b>	High grade stainless steel AISI 316L
<b>Connections:</b>	High grade stainless steel AISI 316L
<b>Insulation:</b>	Polystyrene Foam
<b>Top,Bottom Lids:</b>	ABS
<b>Control:</b>	AIC Thermoprocessor with 5 digits display and 4 key keypad. 2 x thermocouple. Current outlet 2 x 10A 260V Configuration by internal web server
<b>Electronic Protection:</b>	Replaceable graphite electrode powered by a pulsing unit controlled by AIC Thermoprocessor

