ELECRO ENGINEERING

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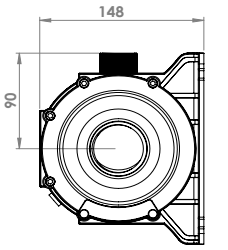
ESCALADE

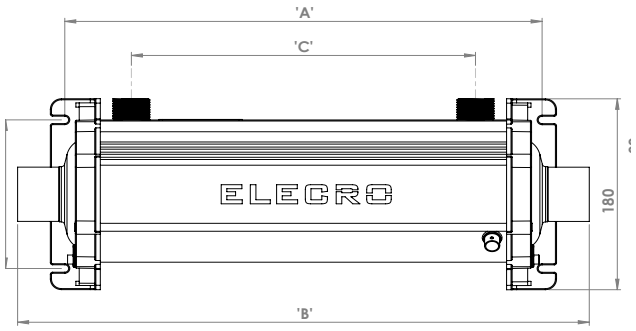
The Escalade is a fully welded titanium spiral tube heat exchanger that has a high-pressure tolerance and is the perfect solution for most demanding applications.

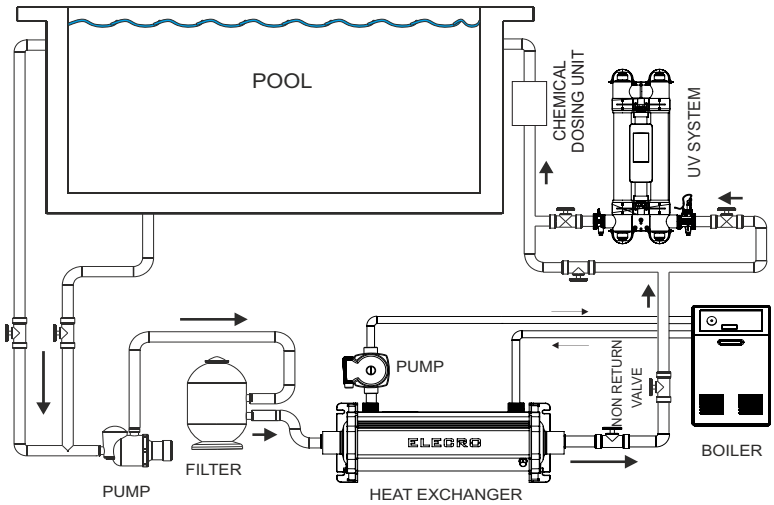
FEATURES

- Three models ranging from 30-kW to 75-kW
- High efficiency, titanium spiral coil is fully immersed in the secondary chamber
- Coiled grade 1 titanium primary casing
- Salt and sea water compatible
- 30 bar (primary) and 5 bar (secondary) pressure tolerance
- Low pressure drop
- With optional Smart Touchscreen Controller and Booster Pump
- Temperature and flow sensor port
- Floor or wall mountable

TECHNICAL DRAWINGS

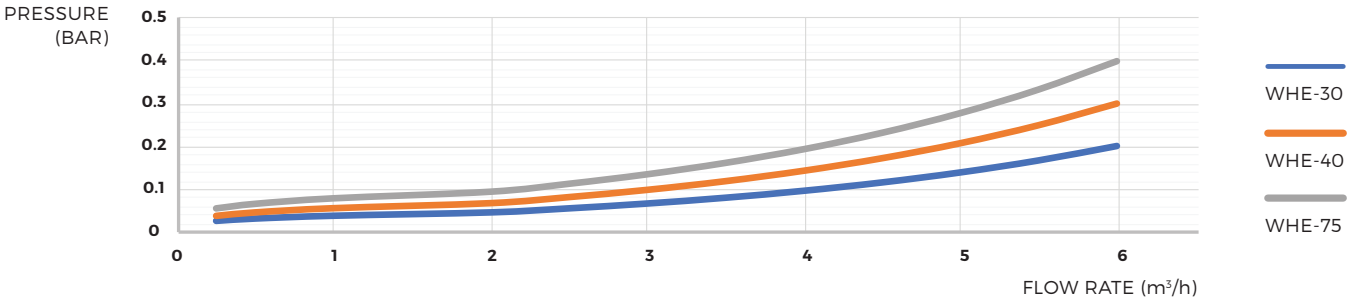




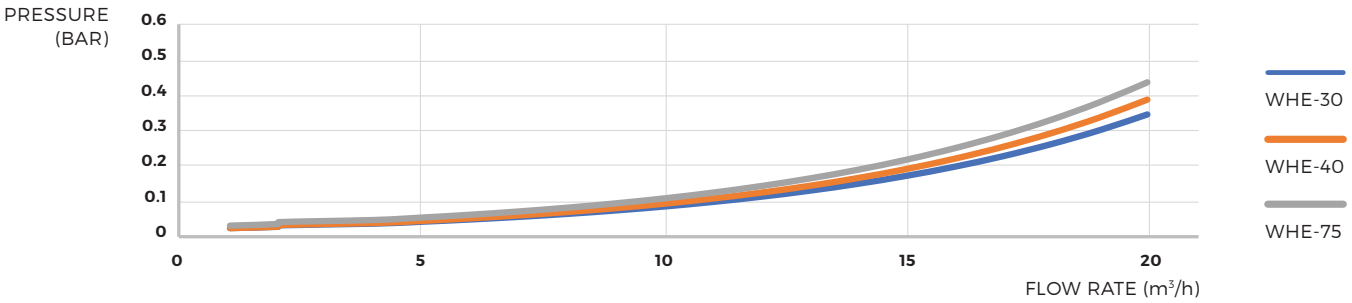


PRESSURE DROP

PRESSURE DROP PRIMARY CIRCUIT



PRESSURE DROP SECONDARY CIRCUIT



SPECIFICATIONS

PRIMARY CIRCUIT

FLOW TUBE	Coiled grade 1 titanium
WATER CONNECTIONS	1" BSP male fittings
WORKING PRESSURE	30 bar maximum

SECONDARY CIRCUIT

FLOW TUBE	Grade 1 titanium
WATER CONNECTIONS	1.5" BSP female fittings
WORKING PRESSURE	5 bar maximum

MODELS

PRODUCT CODES	STANDARD POWER OUTPUT	DIMENSION 'A'	DIMENSION 'B'	DIMENSION 'C'	NET WEIGHT	GROSS WEIGHT	VOLUME
		mm	mm	mm	kg	kg	m³
WHE-30	30-kW (102K BTU)	382	476	262	2.70	3.70	0.049
WHE-40	40-kW (136K BTU)	430	515	310	3.10	4.10	0.049
WHE-75	75-kW (256K BTU)	674	759	554	5.01	6.10	0.069

STANDARD OUTPUT	PRIMARY FLOW	PRIMARY PRESSURE LOSS	SECONDARY FLOW	SECONDARY PRESSURE LOSS	ΔT 50˚C	ΔT 60˚C	ΔT 70˚C
		Bar	m³/h	Bar	kW	kW	kW
30-kW	1.1	0.061	12	0.05	26	30	34
40-kW	2.4	0.068	15	0.05	34	37	40
75-kW	3.0	0.068	18	0.07	54	64	75