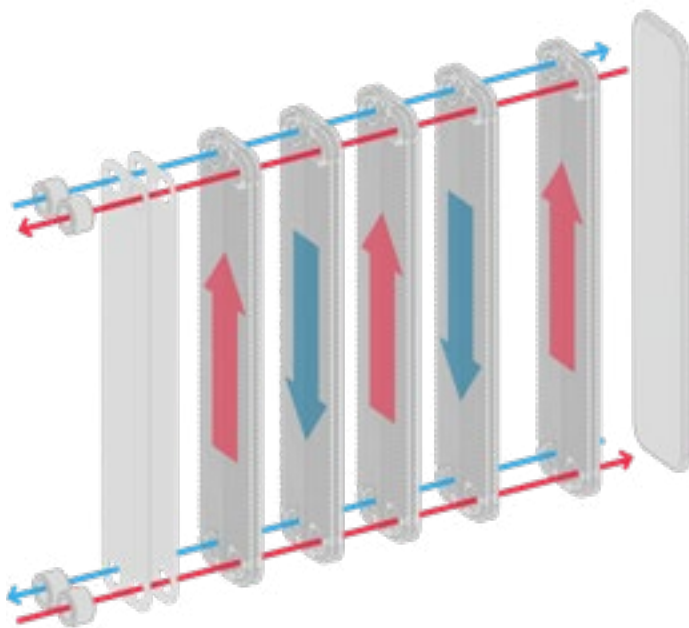




**BRAZED PLATE
HEAT EXCHANGERS
COMPANY PRESENTATION**

HEAT EXCHANGERS WORKING PRINCIPLES

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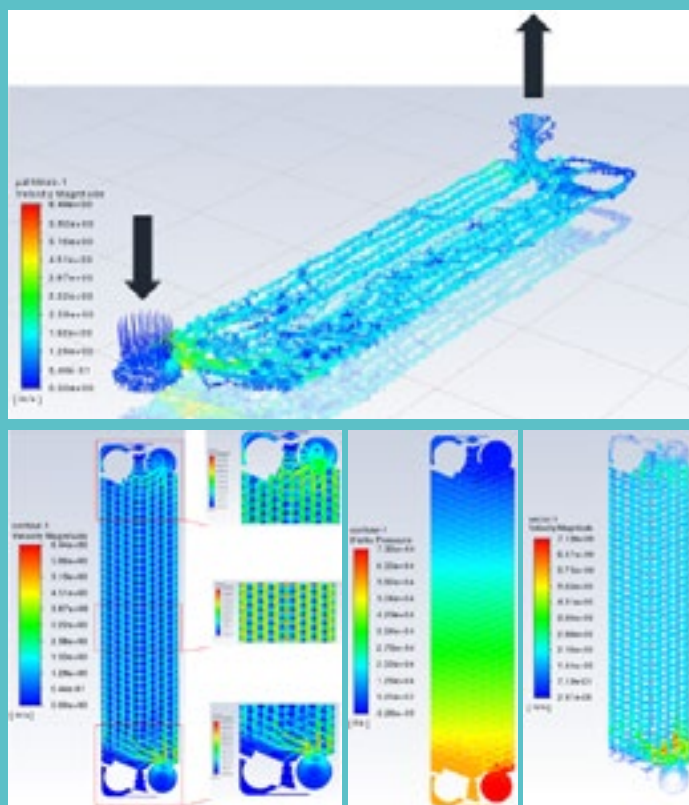


Heat exchangers are designed to transfer heat energy from the hot flow to the cold flow, without mixing them. Heat exchangers creates two separate flows, which makes the regulation of required parameters more efficient.



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Research and Development



Production facilities



100% AUTOMATIC PRESS LINES
PRESSE DI TRINCIATURA AUTOMATICHE AL 100%



VACUUM FURNACE WITH MAX T OF 1350°C AND RAPID COOLING SYSTEM
FORNO DI BRASATURA DA 1350°C, CON SISTEMA DI RAFFREDDAMENTO RAPIDO



LEAKAGE TEST EQUIPMENT, TO TEST PRODUCTS WITH COMPRESSED AIR AND HELIUM
STAZIONE DI TEST IN PRESSIONE, AD ARIA COMPRESSA O A ELIO



LASER CUTTING
MACCHINARI DI TAGLIO LASER

PRODUCT RANGE

DAVHEX produces a comprehensive range of BPHE featuring different sizes, plate counts, thermal characteristics and mechanical configuration. Our product series can be adapted to numerous standard applications while working across a wide capacity and fluid range.

Our selection software offers the possibility to choose between different configurations, presenting the solution that meets your need best.

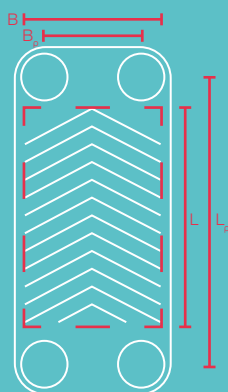
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Model	Height	Height hole distance	Width	Width hole distance	Length	Weight (empty)	Max operation pressure (PS), bar	Max operation temperature, °C	Test pressure (PT), bar	Volume of a single channel	Max amount of channels, pcs.	Max flow rate, m3/h
	mm					kg	DM1/DM2/DM3			(v)		
A	228	182	90	43	DM1 - 5.95+2.3*N DM2 - 5.95+2.3*N DM3 - 10.25+2.3*N	DM1 - 0.876+0.061*N DM2 - 0.876+0.061*N DM3 - 1.578+0.070*N	16/31/45	200/200/135	28.4/55/80	0,039	60	5,3
B	325	279	90	43	DM1 - 5.95+2.3*N DM2 - 5.95+2.3*N DM3 - 10.25+2.3*N	DM1 - 1.167+0.088*N DM2 - 1.167+0.088*N DM3 - 2.159+0.097*N	16/31/45	200/200/135	28.4/55/80	0,055	60	6,1
C	463	415	94	43	DM1 - 10.2+2.3*N DM2 - 10.2+2.3*N DM3 - 14.5+2.3*N	DM1 - 1.650+0.128*N DM2 - 1.650+0.128*N DM3 - 3.069+0.137*N	16/31/45	200/200/135	28.4/55/80	0,078	60	6,9
D	380	320	123	64	DM1 - 10.2+2.25*N DM2 - 12.5+2.25*N DM3 - 14.5+2.25*N	DM1 - 1.925+0.136*N DM2 - 2.154+0.136*N DM3 - 3.706+0.155*N	16/31/45	200/200/135	28.4/55/80	0,082	200	15
E	531	471	123	64	DM1 - 10.2+2.25*N DM2 - 12.5+2.25*N DM3 - 16.8+2.25*N	DM1 - 2.700+0.180*N DM2 - 2.994+0.180*N DM3 - 5.026+0.201*N	16/31/45	200/200/135	28.4/55/80	0,116	200	17
F	535	471	125	64	DM1 - 10.2+2.25*N DM2 - 12.5+2.25*N DM3 - 16.8+2.25*N	DM1 - 2.730+0.190*N DM2 - 2.995+0.190*N DM3 - 5.056+0.210*N	16/31/45	200/200/135	28.4/40/80	0,116	200	17
G	547	456	264	174	DM1 - 13.4+2.3*N DM2 - 18.2+2.3*N DM3 - 23.2+2.3*N	DM1 - 7.555+0.382*N DM2 - 10.213+0.382*N DM3 - 15.036+0.447*N-1	16/25/45	135	28.4/40/80	0,279	300	54

The internal volume of the BPHE can be determined after the formula: $V_{max} = V_{ch} \times N$, where

V_{max} internal volume of the heat exchanger
 V_{ch} volume of the channel
 N amount of channels



Main features

- ✓ Different flow diagrams and customized connections
- ✓ Leak-proof manufacturing
- ✓ Additional stiffening rib and increased flat contact area
- ✓ Distribution devices in application with refrigerants
- ✓ Different chevron patterns and operating pressure designs available

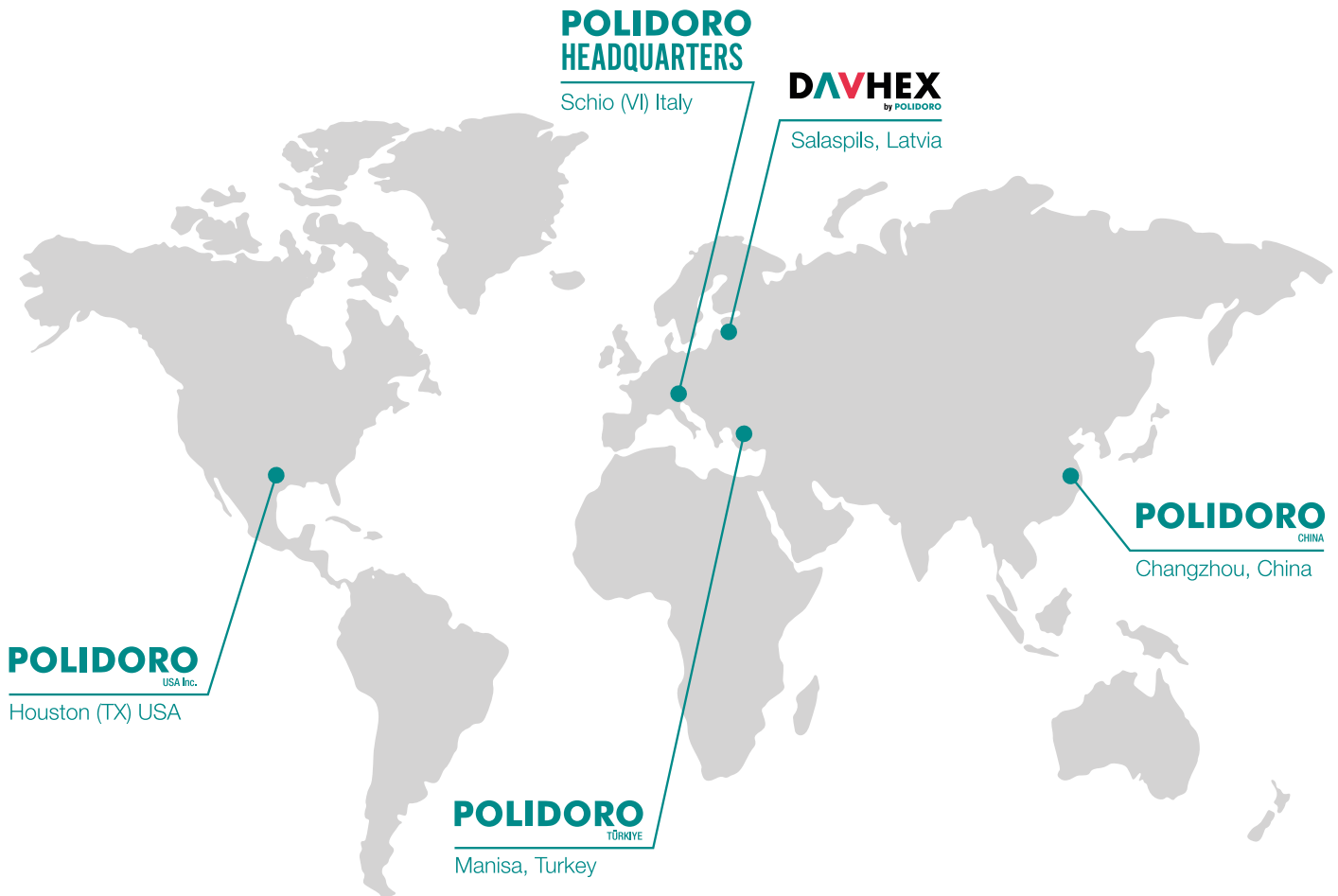
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Main applications

- DISTRICT HEATING, HEAT SUBSTATIONS AND HEATING INTERFACE UNITS
TELERISCALDAMENTO, MODULI DI DISTRIBUZIONE E SATELLITI DI UTENZA
- HEATING, VENTILATION AND AIR CONDITIONING
RISCALDAMENTO, CONDIZIONAMENTO E VENTILAZIONE
- HOT WATER DELIVERY
FORNITURA DI ACQUA CALDA
- REFRIGERATION
REFRIGERAZIONE

- FOOD AND BEVERAGE INDUSTRY
INDUSTRIA DI TRASFORMAZIONE ALIMENTARE E DELLE BEVANDE
- HYDRAULIC EQUIPMENT
IMPIANTISTICA
- OIL & GAS
INDUSTRIA ESTRATTIVA
- SOLAR AND BIOMASS ENERGY
ENERGIA SOLARE E PER BIOMASSA



DAVHEX IS PART OF POLIDORO GROUP

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