

Trust us,
We can do more



DILLIGENCE



STRICT



INNOVATION



PRAGMATISM



NEW ROC INDUSTRIAL LIMITED

1.1 About us



NEW ROC, has always been insisting the following business philosophy: opening-up and cooperation, mutual improvement with cooperative partner and growing together with employees.

Build a complete industry chain

Establish a win-win sharing developing platform

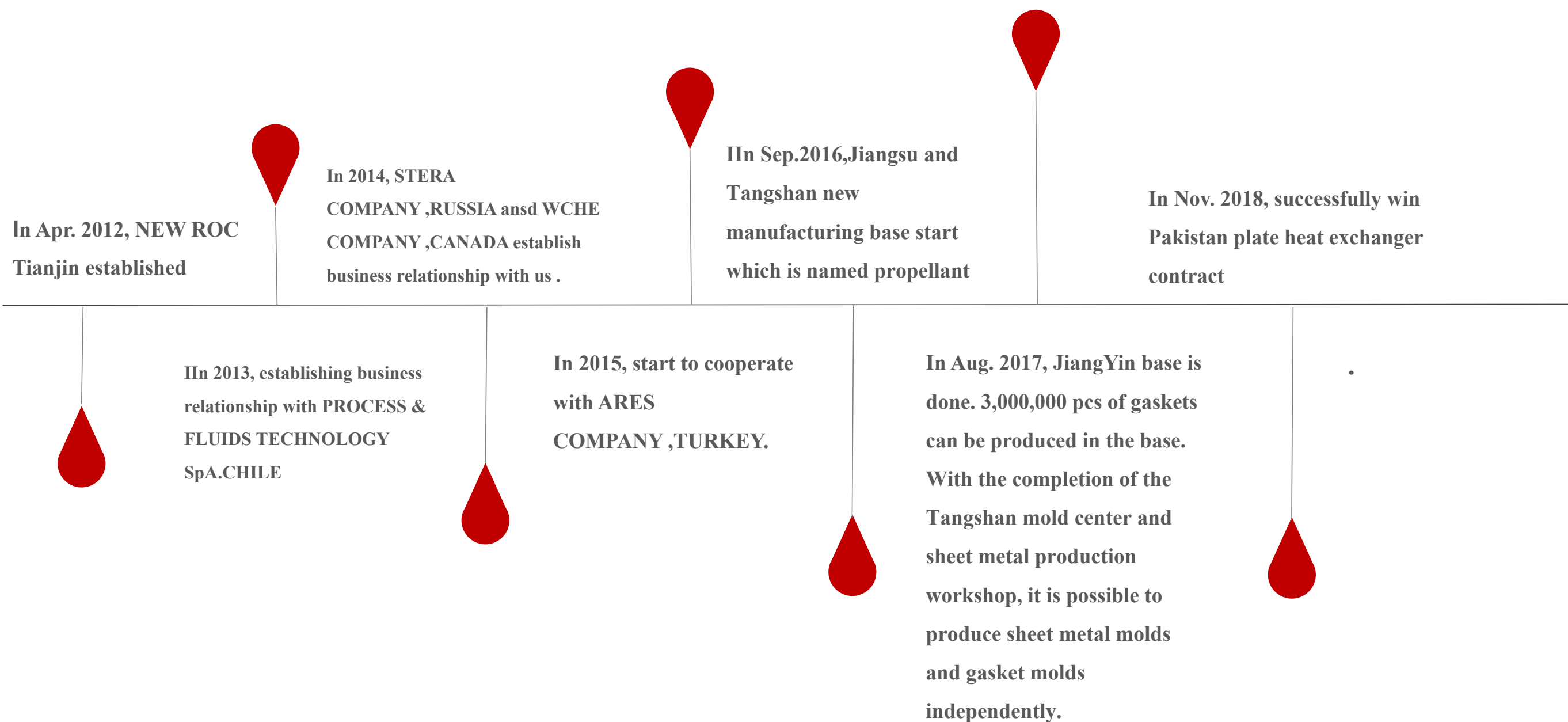
Boost the progress and development of trade and industry

Become a system solution provider for the design and manufacture of heat exchange integration and equipment.

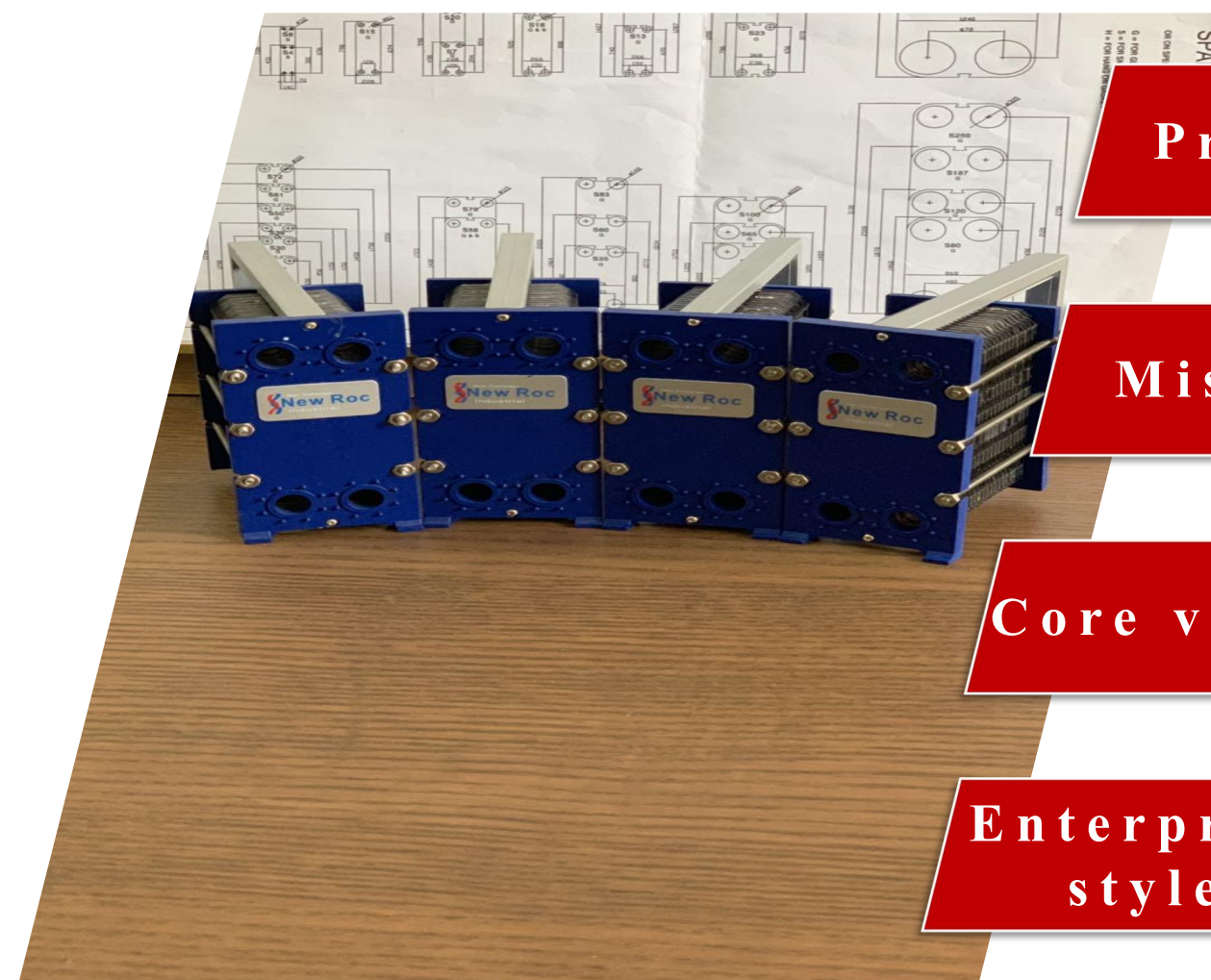
“Trust us ,we can do more” is our enterprise tenet

We devote to provide a **heat transfer solution** for civil and industrial users

1.2 History



1.3 Enterprise culture



Prospect

Let our heat exchanger be the
impeller of your industry.

Mission

To fulfill all your heat transfer needs.

Core value

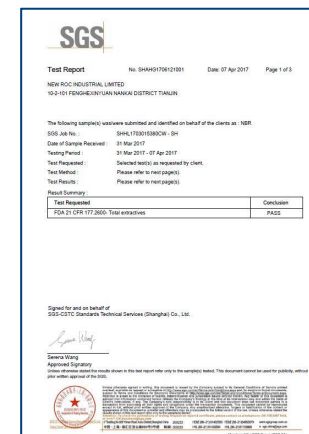
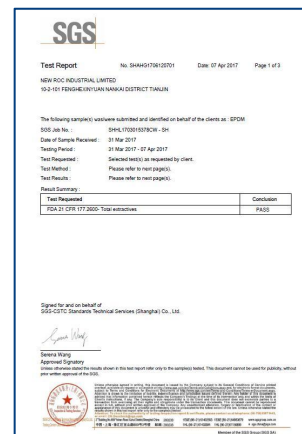
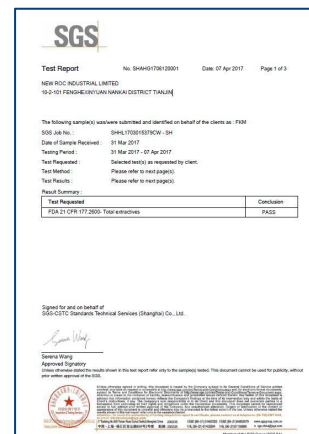
Trust us, we can do more

Enterprise style

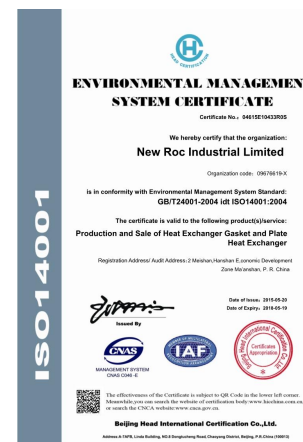
Diligent, Strict, Innovative, Pragmatic

1.4 Certifications

FDA certification



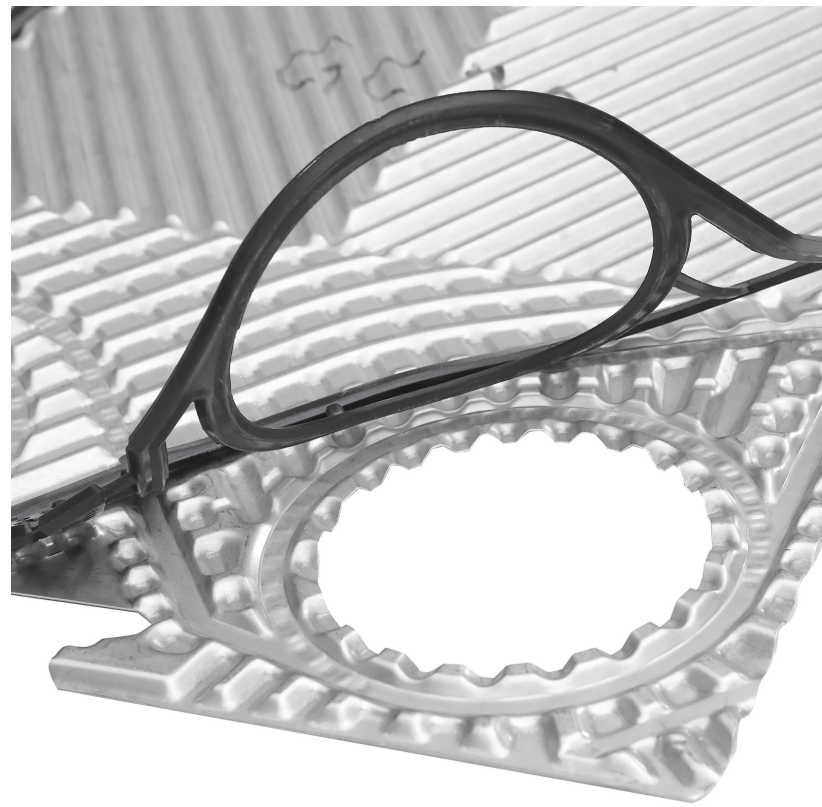
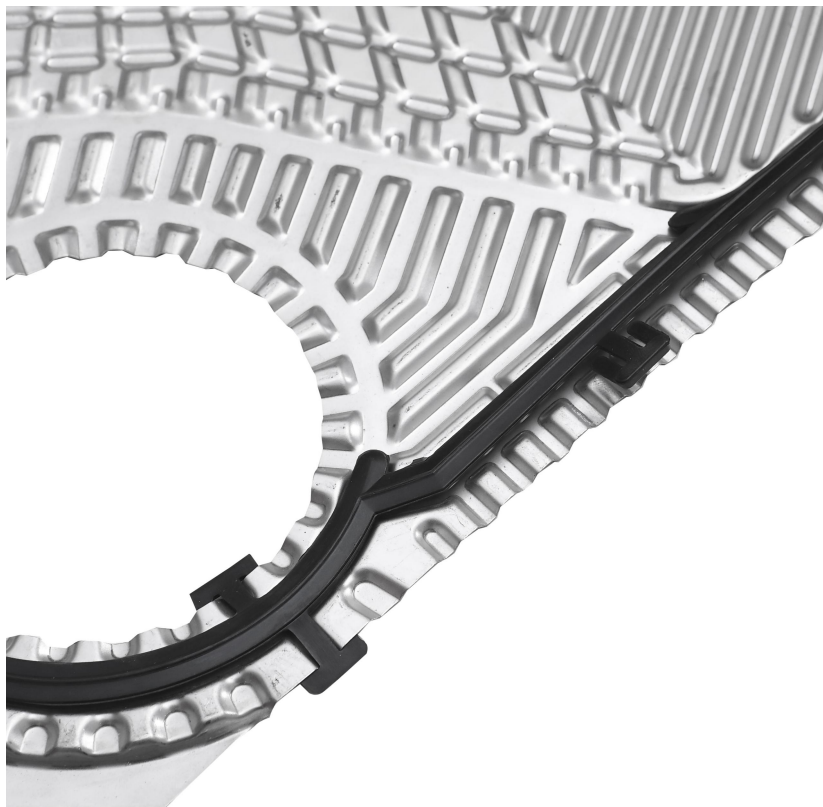
ISO9001 and 14001 certification



2.1 Plate and gasket

We can supply a large range of high quality heat exchanger plate and gasket for many brands.

These plates and gaskets can be exchanged with original ones, and are already widely used in after service.



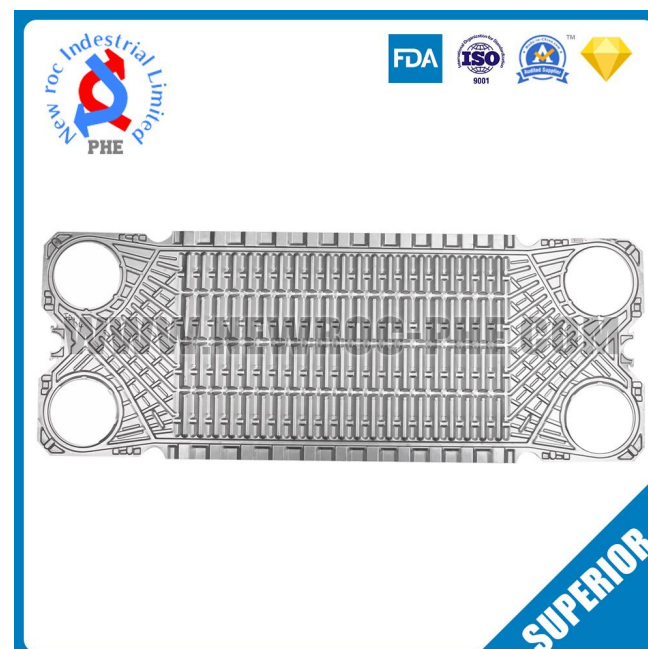
2.1.1 OEM & ODM For Plate Heat Exchanger Gasket



The Basic Performance For Gasket

Material	Max Use Temperature	Hardness	Application Media
NBR	120°C	76±2	alkane, alkane and other non-polar media, fuel oil and other mineral oil; lubricants; animal and vegetable oils; hot water, saltwater, etc
NBR-HT	140	76±2	
HNBR	150°C	76±2	
EPDM	150°C	80±2	Water, steam, atmospheric ozone, non-petroleum-based; ketone; alcohols polar medium; etc
HEPDM	170°C	80±2	
VITON A	180°C	80±2	acid, alkali, organic solvent, hot oil
VITON A (OIL)			
VITON B			
VITON G	200°C	80±2	strong acid, hot oil saturated steam hot oil
CR	-40~60°C	75±2	refrigerant

2.1.2 OEM & ODM For Plate Heat Exchanger Plate



The Standard Materials

304 Stainless Steel

This is the lowest cost heat transfer plate material. It has low corrosion resistance and is usually only available in a thickness of 0.4mm. This type of heat transfer plate is typically used in HVAC applications.

316 Stainless Steel

This is the most common heat transfer plate material and is used in many applications. 316 stainless steel has a high corrosion resistance and is typically available in thickness from 0.4mm to 0.8mm.

Titanium

This type is very resistant to chemical attack, including most acids, chloride, seawater and chlorine chemicals. The thickness of titanium is usually from 0.5 mm to 0.6 mm.

Hastelloy C276

Other common names: Alloy C276, Hastelloy C, Inconel® C-276

Hastelloy C-276.

Hastelloy C276 is a nickel-molybdenum-chromium superalloy with tungsten added for excellent corrosion resistance in a variety of harsh environments. Alloy C-276 is widely used in the harshest environments such as chemical processing, pollution control, pulp and paper production, industrial and municipal waste treatment, and acid natural gas recovery. The thickness can range from 0.6mm to 0.8mm.

SMO 254

Sandvik 254 SMO is a high-alloy austenitic stainless steel developed for use in seawater and other aggressive chloride-bearing media. Thickness available from 0.6mm to 0.8mm.

2.1.3 Replacement Gasket and palte product list

Gasket product list

Alfa Laval	T2B,M3,M6,M6M,M10B,M10M,M15B,M15M,T20B,T20P,M20M,MX25B,MX25M,M30,TL3B,TL3P,TL6B,TL10B,TL10P,TS6M,TS20M,CLIP6,CLIP8,CLIP10,M6MW,M10BW,MK15BW,T20MW,T20BW,MA30W,MA30M,A10B,A15B,A15B,AK20,P16,P26,P32,P13,T5B,T5M,T8B,T8M,AM10,AM20,AM20B,TL15B,TL35B,TS35P,T35P,EC500,AC400,AC600,T20S,A35,AUQA,T10M,T10B,M10MX..
GEA	VT04,VT10,VT20,VT20P,VT40,VT40M,VT80,VT80M,NT50T,NT50M,NT50X,NT80M,NT100T,NT100M,NT100X,NT150S,NT150L,NT250S,NT250M,NT250L,NT350S,NT350M,VT805,VT805,VT405,VT405P,N40,FA184,CT193,CT187,LWC150L,NT500M.
Sondex	S4A,S7A,S8A,S9A,S14A,S16B,S17,S18,S19A,S20A,S21,S21A,S22,S31A,S37,S38,S41A,S41,S42,S43,S43B,S43AD,S44A,S47,S47B,S58,S62,S62B,S63,S64,S65,S65B,S81,S86,S86B,S100,S110,S113,S121,S130,S145,S188,S201SW40,SW40A,SW122,SW189,SF25A,SF123,SF160,S65glue,S100glue.
APV	T4,SR1,SR2,SR3,SR6GL,H12,H17,H17,N25,N35,N50,Q030D,Q030E,Q055D,Q055E,Q080D,Q080E,J060,J092,J107,J185,A055,A085,K34,K55,K71,M60,M92,M107,B063,B110,B134,B158,P105,P190,O034ES.
SWEP	GCP8,GCD8,GCP9,GCD9,GLP13,GLD13,GXP18,GXD18,GCP16,GCD16,GC26,GXD26,GXP26,GXP26CLIP,GXD42,GXP42,GXP42CLIP,GCD044,GCD054,GC51CLIP,GC51,GXD51,GXD51CILP,GXP51,GCP60,GXD60,GXD64,GXD85,GX91,GXD100,GXD100CLIP,GXD118,GXD140,GXD145,GXD205,GXD265,GL152.
Thermowave	TL90SS,TL90PP,TL150SS,TL150PP,TL200SS,TL250SS,TL250PP,TL400SS,TL400PP,TL500SS,TL500PP,TL650SS,TL650PP.
VICARB	V4,V8,V13,V20,V28,V45,V60,V85,V100,V110.
Funke	FP02,FP04,FP05,FP08,FP09,FP10,FP14,FP16,FP19,FP20,FP205,FP22,FP31,FP40,FP405,FP41,FP42,FP50,FP60,FP62,FP70,FP71,FP80,FP81,FP100,FP120,FP160,FP206.
API	SIGMA M7,SIGMA M9,,SIGMA M13,SIGMA M19,SIGMA M25,SIGMA M25X,SIGMA M26,SIGMA M27,SIGMA M35,SIGMA M35X,SIGMA M36,SIGMA M37,SIGMA M55,SIGMA M55X,SIGMA M56,SIGMA M66,SIGMA M76,SIGMA M96,SIGMA M106,SIGMA M136,SIGMA M156,STAR 90,STAR 45.
Hisaka	SX70,SX995,RX10A,SX90,UX10,UX20,UX40,RX-10A,LX30A,UX80,UX90

Plate product list

Alfa Laval	M3,M6B,M6M,M10M,M10B,M15B,M15M,TL6B,TL3B,T20P,TS6M,TL10B,TL10P,TS20M,TS20P,MX25M,MX25B,M30,P16,P26,P36,TL35B,T2B,T5B,T5M,T8B,T8M
GEA	VT04, VT10, VT20, VT20P, VT40, VT80, VT80P, NT50T, NT50M, NT50X, NT100T, NT100M, NT100X, NT150L, NT150S, NT250S, NT250M, NT250L, NT350S, NT350M, VT2508, FA184, FA161, N40.
Sondex	S4A, S8A, S7A, S14A, S20A, S9A, S19A, S31A, S17, S21, S21A, S22, S22A, S37, S41, S41A, S42, S42A, S62, S43A, S43, S65, S100, S47, S64, S81, S100, S121, S130, S145, S201, S188, S62, S110, S210, SF160, SF123.
SWEP	GL13,GX18,GX26,GX42,GX51,GX64,GX91,GX60,GX100,GX85,GX145,GC16,GC26,GC51,GC60,GC42,GL145,GL85.
VICARB	V4, V8, V13, V20, V28, V45, V60, V100, V110.
Funke	FP04,FP08,FP10,FP14,FP16,FP19,FP20,FP22,FP205,FP31,FP40,FP50,FP41,FP60,FP80,FP405,FP70,FP100,FP130,FP81,FP120,FP160,FP206.

2.2 Gasketed plate heat exchanger

We can not only provide you with PHE, but also design the appropriate heating exchange plan according to your needs. With 10 years of design experience in this field, we are committed to solving your problems. We have extensive experience in the production of equipment for the HVAC, refrigeration, metal steel, marine engineering, paper, power, chemical, marine engineering, food and beverage industries.

Standard Materials

Frame plate Mild steel, Epoxy painted
Metal lined: stainless steel, titanium Plates
Stainless steel alloy304, Stainless steel alloy316
Stainless steel alloy C276 or Titanium or SMO
Gaskets Nitrile, EPDM, Viton

Maximum pressure and temperature

All models are available with different frame designs and different plate thickness depending on the required design pressure. The maximum temperature depend on the gasket material used, and the working pressure.



Low angle channel arrangement for lower allowable pressure drops requirement applications



Mixed channel arrangement optional arrangement to gain the optimized performance



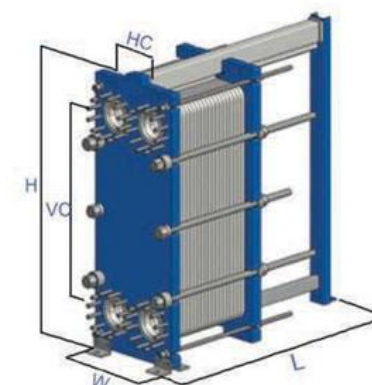
High angle channels arrangement for higher thermal performance and allowable pressure drops requirement applications



Model	DN30-03	DN60-14/DN60-14M		NS60H	RL10B
Cross Reference ALFA LAVAL	M3	M6, M6M		TS6M	TL10B
Height, H [mm]	480	920	940	704	1885
Width, W [mm]	180	320	330	400	480
Min standard length, L [mm]	400	500	500	530	850
Max standard length, L [mm]	650	1500	1500	1430	2350
Vertical port distance, VC [mm]	357	640	640	380	1338
Horizontal port distance, HC [mm]	60	140	140	203	225
Max temperature [°C]	180	180	180	180	160
Max pressure [barg]	16	10	16	16	10
Flange size	Pipe 1 1/4"	DN50/2"	DN50/2"	DN65/2"	DN100/4"
Max. flow rate [kg/s]	4	16		20	50

Model	DN100-22M/DN100-24B		DN150-62M/DN150-62B		DN200H
Cross Reference ALFA LAVAL	M10M, M10B		M15M, M15B		M20M, T20M, T20B
Height, H [mm]	1084	1084	1885	1885	2150
Width, W [mm]	470	470	610	650	750
Min standard length, L [mm]	700	700	1150	1150	1250
Max standard length, L [mm]	2300	2300	2050	3250	3350
Vertical port distance, VC [mm]	719	719	1294	1294	1478
Horizontal port distance, HC [mm]	225	225	298	298	353
Max temperature [°C]	180	180	180	180	180
Max pressure [barg]	10	16	10	16	10/16
Flange size	DN100/4"	DN100/4"	DN150/6"	DN150/6"	DN200/8"
Max. flow rate [kg/s]	50	80		225	

Model	NS20H	DX250-148B	DN300H
Cross Reference ALFA LAVAL	TS20M	MX25B	M30
Height, H [mm]	1405	2595	2920
Width, W [mm]	740	920	1190
Min standard length, L [mm]	900	1550	1650
Max standard length, L [mm]	2700	3350	5200
Vertical port distance, VC [mm]	698	1939	1842
Horizontal port distance, HC [mm]	363	439	596
Max temperature	180	180	180
Max pressure [barg]	10/16	10/16	10/16
Flange size	DN200/8"	DN200/DN250/8"/10"	DN300/DN350/12"/14"
Max. flow rate [kg/s]	190	250	497



2.3 Brazed Plate Heat Exchanger

General information

Brazing the stainless steel plates together eliminates the need for gaskets and thick frame plates. The brazing material seals and holds the plates together at the contact points ensuring optimal heat transfer efficiency and pressure resistance. The plate design guarantees the ongest possible life. The design options of the brazed heat exchanger are exten_x0002_sive. Different plate patterns are available for various duties and performance specifications. You can choose a standard configuration BHE, or a unit designed according to your own specific needs. The choice is entirely yours.

Working principles

The heating surface consists of thin corrugated metal plates stacked on top of each other. Channels are formed between the plates and corner ports are arranged so that the two media flow through alternate channels, usually in counter current flow for the most efficient heat transfer process.

Standard Materials

Cover plates: 304 Stainless steel
Connections: 304 Stainless steel
Plate:316L Stainless steel
Brazing material: 99.99% Copper

Typical applications

HVAC heating/cooling
Refrigerant applications
Industrial cooling/heating
Oil cooling

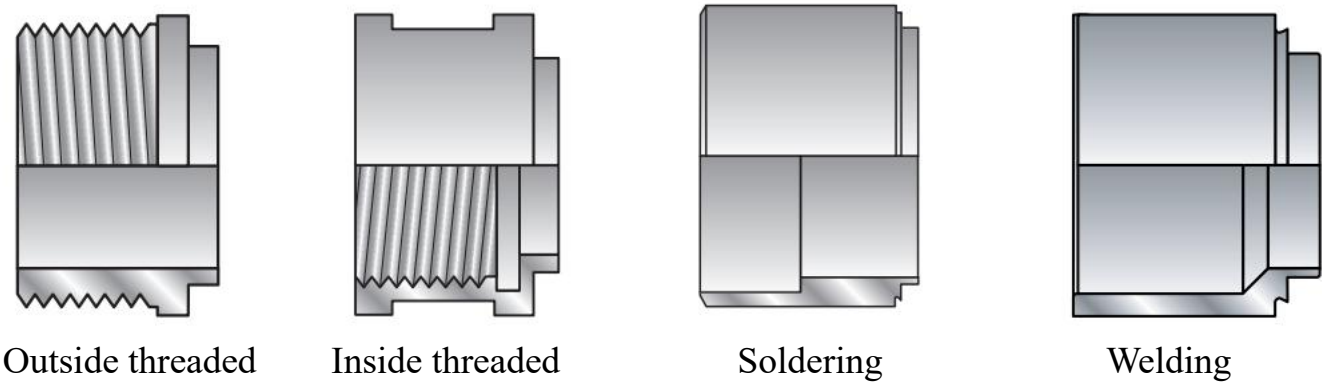
Standard design

The plate pack is covered by cover plates. Connections are located in the front or rear cover plate. To improve the heat transfer design, the channel plates are corrugated.

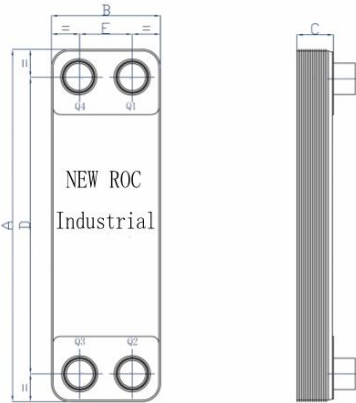
Particulars required for quotation

To enable New Roc's representative to make a specfic quota_x0002_tion, specify the following particulars in your enquiry:
required flow rates or heat load
temperature program
physical properties of liquids in question
desired working pressure
maximum permitted pressure drop

Examples of connections

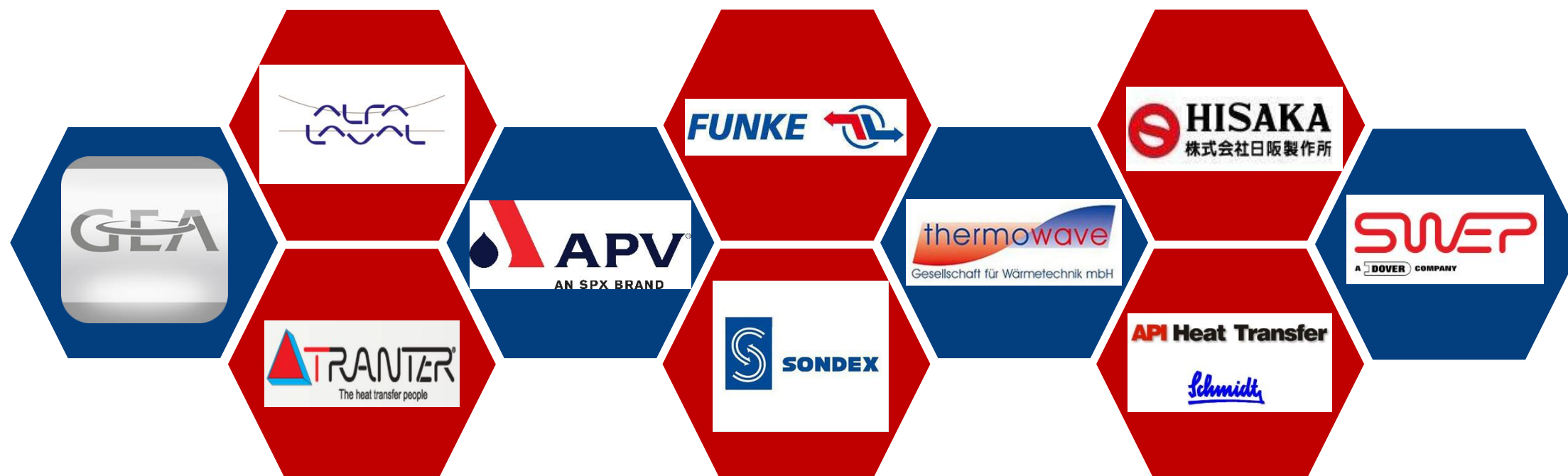


Brazed Plate Heat Exchanger



Model	B3-12	B3-16	B3-22	B3-27
Width (mm)	73	92	73	111
Height (mm)	192	222	316	311
Length (mm)	9+2. 3*N	10+2. 5*N	9+2. 3*N	10+2. 50*N
Horizontal port distance (mm)	42	42	40	50
Vertical prot distance (mm)	154	172	278	250
Max pressure (Mpa)	4. 5	4. 5	4. 5	4. 5
Heat exchanged (KW)	0. 5-5	1-6	2-10	5-15
Weight (Kg)	0. 4+0. 044*N	1+0. 09*N	0. 7+0. 07*N	1. 3+0. 13*N
Model	B3-52	B3-60	B3-62	B3-95
Width (mm)	111	140	127	192
Height (mm)	527	476	542	617
Length (mm)	10+2. 50*N	5+2. 55*N	10+2. 50*N	10+2. 50*N
Horizontal port distance (mm)	50	74	64	92
Vertical prot distance (mm)	466	410	480	519
Max pressure (Mpa)	4. 5	4. 5	4. 5	4. 5
Heat exchanged (KW)	10-70	20-100	10-100	30-200
Weight (Kg)	1. 8+0. 22*N	2+0. 24*N	2. 5+0. 25*N	5+0. 42*N
Model	B3-100	B3-128	B3-128V	B3-210
Width (mm)	190	230	230	322
Height (mm)	568	590	590	739
Length (mm)	9+2. 85*N	5+2. 55*N	5+2. 55*N	13+2. 85*N
Horizontal port distance (mm)	92	140	120	188
Vertical prot distance (mm)	480	500	480	603
Max pressure (Mpa)	4. 5	3	3	3
Heat exchanged (KW)	30-200	30-250	30-350	150-450
Weight (Kg)	4+0. 39*N	5+0. 48*N	5+0. 48*N	13+0. 82*N

3.1 Replacement parts



5.1.Goods to be transported

We deliver large quantity of products to all around the world every month.



Thanks

NEW ROC INDUSTRIAL LIMITED



团队



坚持



合作



荣誉

