

HAMO HEAT ENGINEERING COMPANY PROFILE



Global Leader Preparing for the Future



 **HAMO HEAT ENGINEERING CO.,LTD.**

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 **HAMO HEAT ENGINEERING CO.,LTD.**

High Assistance and Monitoring

최상의 지원으로 고객 만족을 추구하는 하모열기술이 되겠습니다

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INTRODUCTION

HOMO HEAT ENGINEERING

• Bussiness Parts

Chemical & Petrochemical | Environment | Iron & Steel Plant

• Products

Heat exchanger | Fintube type | Shell & tube type | Double pipe type
Pressure vessel | Vessel & tower | Silo | Separator | Storage tank



CI 소개

파랑색과 빨강색은 각각 고온과 저온을 의미하며 빨강색 형상이 TUBE측, 파랑색 형상이 SHELL을 형상화 했다.
HAMO의 글자를 열교환기로 나타낸 형상이며 태양이 우리삶에 많은 도움을 주고 있드시 우리가 살고있는 지구가 열교환기라는 설비를 통해 에너지절약을 실현하고, 환경을 개선하여 더불어 함께 살아가는데 보탬이 되고저 하는 염원을 담고 있음.

인사말씀

안녕하십니까?

하모열기술은 석유화학, 철강 및 환경설비등에 사용되는 각종 열교환기 및 압력용기를 설계, 제작하여 국내 및 해외에 납품하는 회사입니다. 국·내외 관련법규에 따라서 설계,제작하고있으며 국내 관청검사에 대비한 각종 면허를 취득하여 고객이 요구하는 제품을 공급할수있는 체제를 갖추고 있습니다.

당사의 제품을 사용한 고객으로 부터는 품질과 서비스에 우수한 평가를 받고있어 꾸준한 발전을 기대하고 있으며 신뢰받는 기업으로 서기 위해 당사의 모든 임직원은 항상 고객의 입장에서 일처리를 해야한다는 각오로 최선을 다하고 있습니다. 앞으로도 당사의 발전되는 모습을 지켜봐주시고 고객여러분의 많은 관심과 격려 있으시기 바랍니다.

감사합니다.

INTRODUCTION

Harmo Heat Engineering designs and manufactures various heat exchangers and pressure vessels that are used in petrochemical, steel, and environmental facilities and supplies them to domestic and overseas markets. We are designing and manufacturing in accordance with domestic and overseas laws and regulations and have licenses for various national official inspections and a system that can supply products our customers want. We are highly evaluated for our quality and service from customers who use our products so we are looking forward to steady development and in order to be a reliable company, all the members of our company are doing our best to handle our work from the viewpoint of our customers. We hope you will be with us while we make progresses in the future, and you will keep watching and encouraging us. Thank you.

ご挨拶

HAMO 熱技術は、石油化学、鉄鋼及び環境設備などに使用される各種熱交換機及び圧力容器を設計・制作して国内や海外に納品する会社です。国内外関連法規に基づいて設計・制作しており、各種国内官庁検査に備えた免許を取得してお客様が要求する製品を供給できる体制を備えています。当社の製品を使用した顧客からは品質やサービスにおいて優秀な評価を受け、絶え間ない発展が期待されており、信頼される企業であり続けるために当社の全役職員はいつもお客様の立場で仕事をこなさなければならないという覚悟で最善を尽くしております。当社の発展していく姿を見守ってくださるよう、今後ともご支援とご愛顧のほどよろしくお願い申し上げます。ありがとうございます。

OUR COMPANY

HOMO HEAT ENGINEERING



HEAD OFFICE

- TEL : 051-516-8591~2 | FAX : 051-516-8593 | E-MAIL : hamoheat@chol.com
- TOTAL CONTROL
- THERMAL CALCULATION
- STRENGTH CALCULATION
- QUOTATION
- P.M
- ADDRESS : 50, Jungang-daero 1793beon-gil (Bugok-dong, Geumjeong Bld)
Geumjeong-gu, Busan, Korea

SEOUL OFFICE

- TEL : 02-308-9957 | FAX : 02-6442-7858 | E-MAIL : dwlee9957@chol.com



FACTORY

- TEL : 070-4152-3583 | FAX : 051-832-1838
- SHOP SPACE : 15M(W) × 10M(H) × 30M(L)
- DOMESTIC EQUIPMENT
- SHOP CRANE : 5TON, 10TON
- FABRICATION & INSPECTION
- ADDRESS : 62, Nakdong-namro 622beon-gil, Gangseo-gu, Busan, Korea

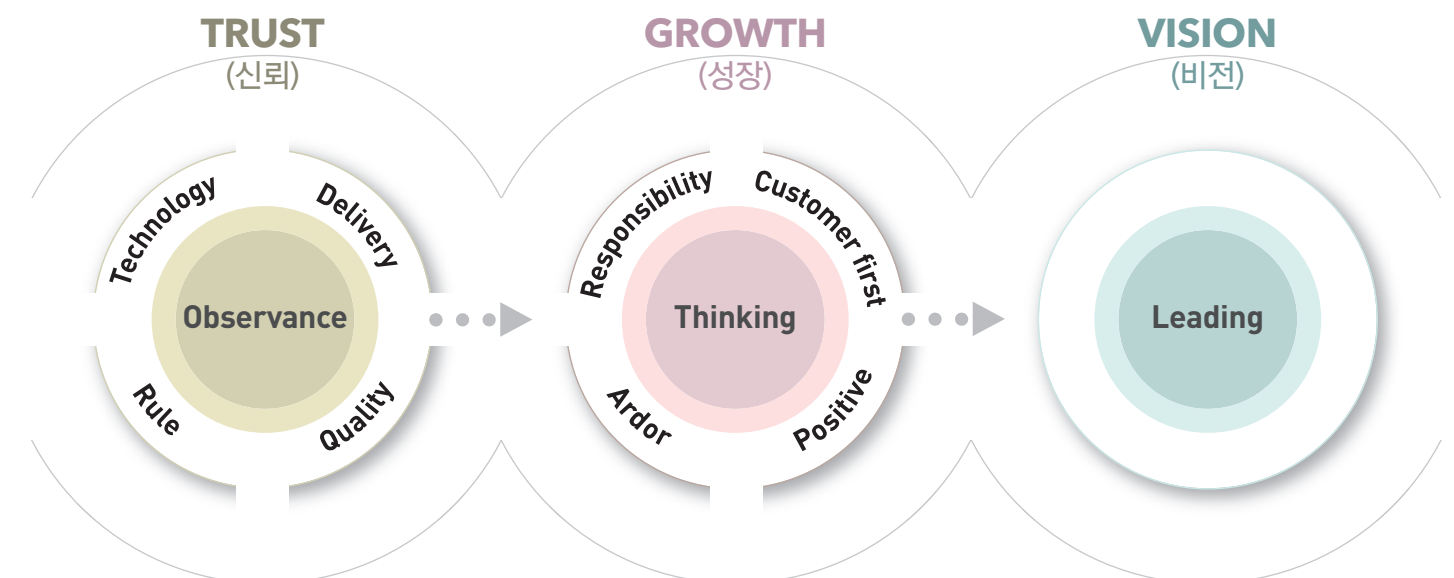
HISTORY & MANAGEMENT GOAL

HOMO HEAT ENGINEERING

HISTORY (연혁)

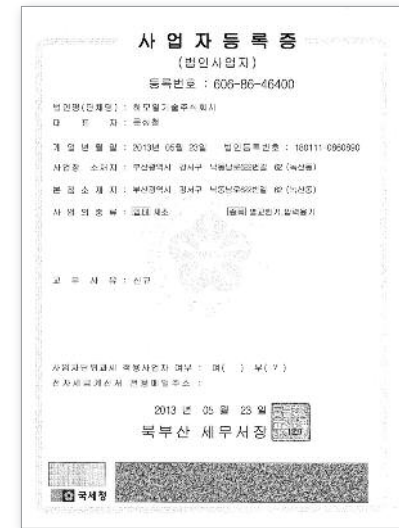
- 2006. 10 하모열기술창립 (Founded HAMO)
- 2008. 06 ISO9001 : 2000 인증 (Acquired ISO9001:2000 Certificate)
- 2008. 12 열교환기 및 압력용기 베트남 수출
(Exported heat exchanger and pressure vessel to Vietnam)
- 2009. 09 포르말린플랜트 설비일체 공급
(Supplied heat exchanger and pressure vessel of Fomalin plant)
- 2010. 05 핀튜브형 가스쿨러 일본수출
(Exported Fintube type heat exchanger to JFE Steel in Japan)
- 2011. 03 가스안전공사 특정설비 제조등록(압력용기,저장탱크)
(Acquired License of Manufacturing High Pressure Gas Facility for Pressure vessel and Storage Tank)
- 2012. 02 부산녹산공장으로 이전
(Moved the factory to Noksan, Busan)
- 2013. 05 하모열기술주식회사로 법인전환
(Incorporated "HAMO HEAT ENGINEERING CO.,LTD.")
- 2015. 11 벤처기업인증(기술보증기금)
(Acquired venture company certificate)

MANAGEMENT GOAL



CIRTIFICATE

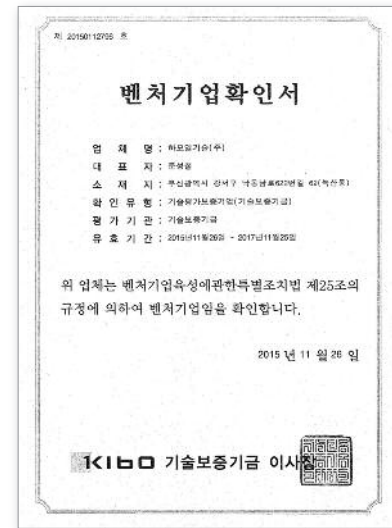
HOMO HEAT ENGINEERING



사업자등록증



공장등록증



벤처기업확인서



ISO인증서



특정설비 - 저장탱크, 압력용기

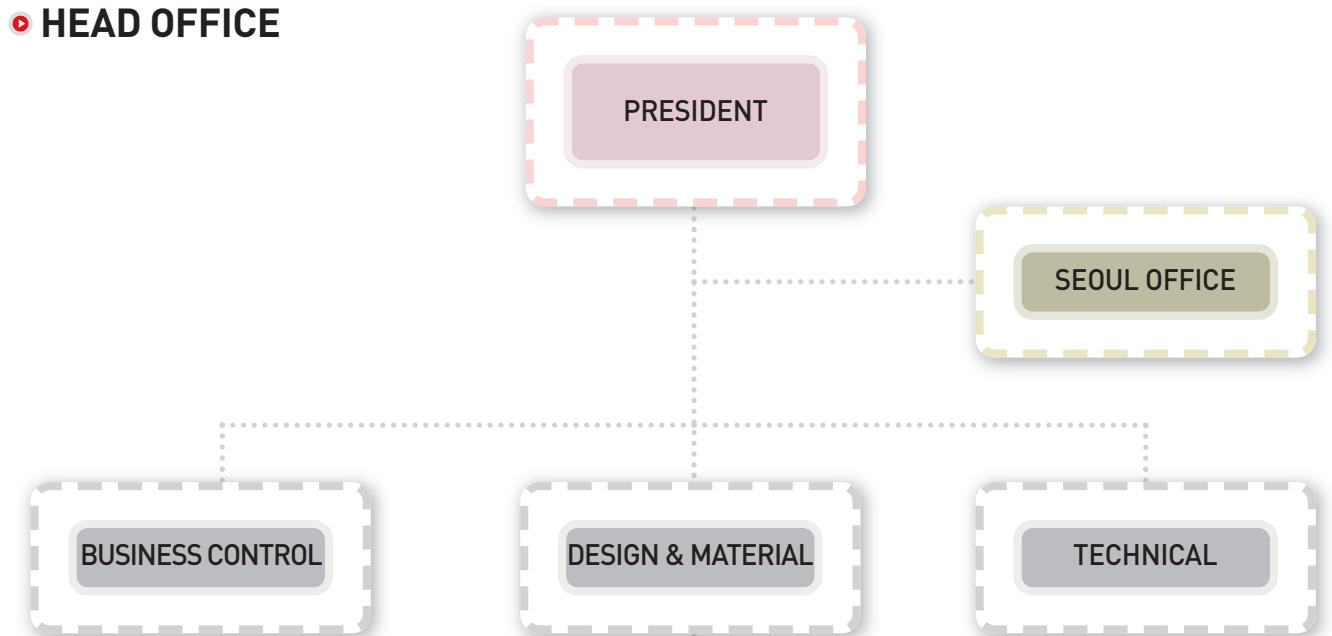


특정설비 - 냉동용증발기, 응축기

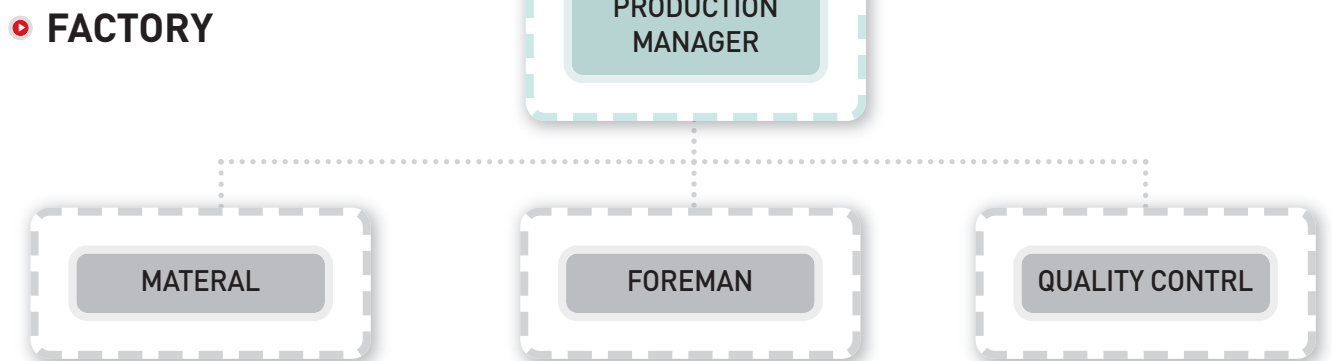
ORGANIZATION CHART

HOMO HEAT ENGINEERING

HEAD OFFICE



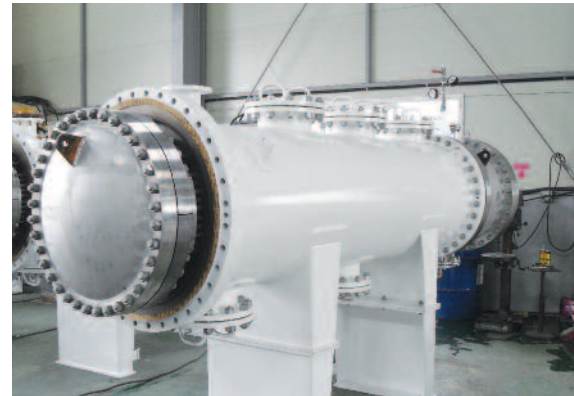
FACTORY



PRODUCTS

◉ SHELL & TUBE TYPE HEAT EXCHANGER

- TUBULAR TYPE
- O.D 2000 MM MAX.
- TH'K 30 MM MAX.
- 30TON MAX.
- THERMAL CALCULATION SERVICE
 - ▶ GAS : GAS
 - ▶ LIQUID : GAS
 - ▶ LIQUID : LIQUID



◉ STEAM HEATER

- FINTUBE TYPE
- 3500(W)X3500(H)X6000(L) MAX.
- 30TON MAX.
- THERMAL CALCULATION SERVICE
 - ▶ STEAM : AIR
 - ▶ STEAM : GAS



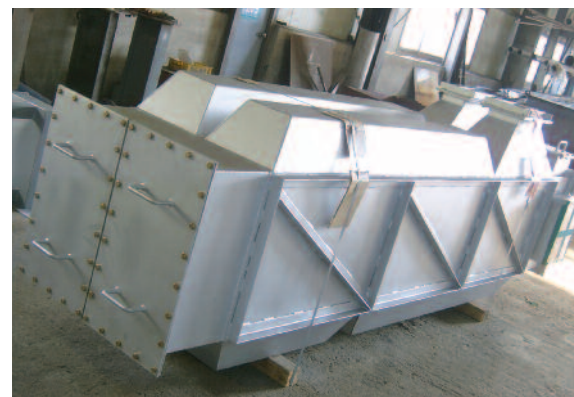
◉ ECONOMIZER

- FINTUBE TYPE & BARE TUBE TYPE
- 3500(W)X3500(H)X6000(L) MAX.
- 30TON MAX.
- THERMAL CALCULATION SERVICE
 - ▶ GAS : WATER



◉ AIR(GAS)PREHEATER

- FINTUBE TYPE & BARE TUBE TYPE
- 3500(W)X3500(H)X6000(L) MAX.
- 30TON MAX.
- THERMAL CALCULATION SERVICE
 - ▶ GAS : WATER
 - ▶ AIR : AIR



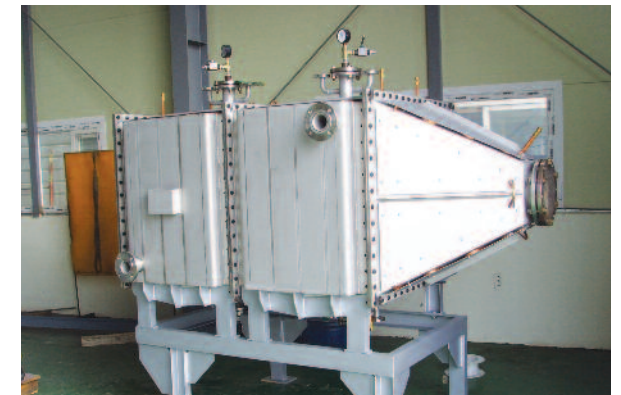
◉ PRESSURE VESSEL

- O.D 3500 MM MAX.
- TH'K 40 MM MAX.
- 30TON MAX.



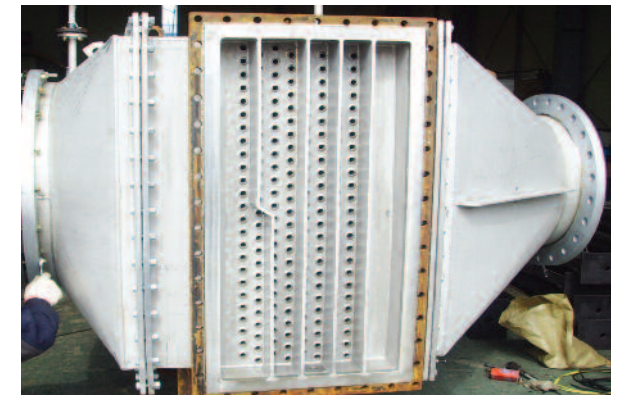
◉ GAS(AIR)COOLER / HEATER

- FINTUBE TYPE
- 3000(W)X3000(H)X6000(L) MAX.
- 20TON MAX.
- THERMAL CALCULATION SERVICE
 - ▶ GAS : LIQUID
 - ▶ AIR : WATER(LIQUID)



◉ AIR FIN COOLER (HEATER)

- FINTUBE TYPE
- 3000(W)X3000(H)X6000(L) MAX.
- 20TON MAX.



◉ NON-PRESSURE VESSEL

- STORAGE TANK
- O.D 3,000 X 10,000L MAX.
- 20TON MAX.



ENGINEERING CAPABILITY

HOMO HEAT ENGINEERING

DESIGN & DOCUMENT

- THERMAL CALCULATION
- STRENGTH CALCULATION
- ASSEMBLY & DETAIL DRAWING
- ENGINEERING DOCUMENTATION
- INSPECTION REPORT

THERMAL CALCULATION

- FIN TUBE TYPE HEAT EXCHANGER
- SHELL & TUBE TYPE HEAT EXCHANGER
- WATER TANK
- DOUBLE PIPE TYPE HEAT EXCHANGER
- HEAT RECOVERY BUNDLE

APPLICABLE CODES AND STANDARDS

- KS
 - ▶ KSB6750
 - ▶ KSB6733
 - ▶ KSB6225
- JIS
 - ▶ JISB8265
 - ▶ JISB8266
 - ▶ JISB8270
 - ▶ JISB8501
- ASME
 - ▶ ASME SEC. VIII DIV. 1
 - ▶ ASME SEC. II
 - ▶ ASME SEC. IX
- TEMA CLASS "R", "C", "B"
- ASTM
- ANSI
- API

TECHNICAL DESIGN BOOKS (HOMO STANDARD)

- PRESSURE VESSEL



- FIN TUBE TYPE HEAT EXCHANGER



- ACCESSORIES HAND BOOK



FABRICATION FACILITIES

HOMO HEAT ENGINEERING

NO	DESCRIPTION	FACILITY	SIZE	MAKER	Q'TY	APPLICATION	REMARK
1	WELDING	SMAW	10KW	GAEYANG	1		
		FCAW	500A	S-WEL	3		
		FCAW	600A	HYOSUNG	3		
		GTAW	300A	HITACHI	1		
		GOUSING M/C	600A	DONGRIM	1		
		WELDING ROD DRYER	0~400℃	YUNCHANG	1		
		GTAW	500A	DAEHAN	4		
		GTAW	300A	EASYWEL	3		
2	WASHING	HIGH PRESSURE CLEANSER	17 Mpa	KARCHER	1		
3	FABRICATION FACILITIES	PRAZMAR CUTTING	80A	EASYWEL	1	CUTTING	
		FORKLIFT	3 TON		1		
		OVER HEAD CRANE	5 TON		1		
		OVER HEAD CRANE	10 TON		1		
		TURNING ROLLER	50 TON		6		
		TURNING ROLLER	10 TON		4		
		TUBE EXPANDER	1400W	MAUS	1		
		MAGNETIC D/R	1500W		1		
		LATHE	480 × 1000	NAMSHIN	1		
		DRILLING M/C	2 HP		1		
		HEATING M/C	300KW	WOOSHIN	1		
4	OTHERS	HEAT TREATMENT	5×15M (100 TON)	TAEYANG			OUTSOURCING
		NDE		KNDT & Korea Inspection			OUTSOURCING
		FORMING	5000 TON	CHUNIL			OUTSOURCING
		TUBE BENDINGS		YOOCHANG			OUTSOURCING

INSPECTION EQUIPMENTS

HOMO HEAT ENGINEERING

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NO	DESCRIPTION	EQUIPMENT NAME	SIZE	MAKER	Q'TY	APPLICATION	REMARK
1	PRESSURE GAUGE	GENERAL TYPE	0~5 Mpa	WOOJIN	17		
2	TEMP. GAUGE	DIGITAL GAUGE	-200~1370℃	TENMARS	1	SURFACE TEMP.	
3	PRESSURE TEST	PUMP	15 Mpa		1		
4	PNEUMATIC TEST	COMPRESSOR	7.5 HP	JAEIL	1		
5	ULTRASONIC TH'K GAUGE	TH'K GAUGE	1~125mm	DEFELSKO	1	TH'K Measurement	USA
6	VERNIER CALIPERS	VERNIER CALIPERS	0~300mm	mitutoyo	1		
7	COATING INSPECTION	COATING TH'K GAUGE	0~1500μm	DEFELSKO	1	TH'K Measurement	USA
8	MATERIAL SPECIMEN TEST	UNIVERSAL TESTING MACHINE	1 MN		1		OUTSOURCING
		CHARPY IMPACT TEST	300 J		1		
9	FLOW	FLOW GAUGE	1.6 M3/HR		1		LIQUID
10	NDE	NDE EQUIP.			1 LOT		OUTSOURCING
11	FLOW GAUGE	ANEMOMETER	0.2~20 m/s	Lutrom	1		
12	VERNIER CALIPERS	DIGITAL GAUGE	0~200mm	mitutoyo	1		
13	OUTSIDE DIA.	MICROMETER	25~50mm	mitutoyo	1		
14	OUTSIDE DIA.	MICROMETER	0~25mm	mitutoyo	1		
15	INSIDE DIA.	CYLINDER GAUGE	0~18mm	mitutoyo	1		
16	INSIDE DIA.	CYLINDER GAUGE	18~35mm	mitutoyo	1		
17	TEMP & HUMIDITY	DIGITAL GAUGE	0~50℃ & 10~95%	mitutoyo	1		
18	LEAK GAUGE	Refrigerant Leak Detector	0.3 oz/yr	TPI	1		

THERMAL DATA SAMPLE

HOMO HEAT ENGINEERING

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STEAM AIR HEATER

DATA INPUT

DATA SHEET

QUOTATION

SKELETON DWG.

AIR COOLER

DATA INPUT

DATA SHEET

QUOTATION

SKELETON DWG.

TUBULAR HEAT EXCHANGER

DATA INPUT

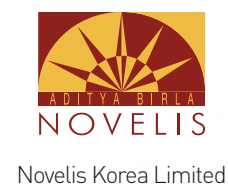
DATA SHEET

QUOTATION

SKELETON DWG.

MAJOUR CUSTOMER

HOMO HEAT ENGINEERING



PHOTOGRAPH NON-PRESSURE VESSEL

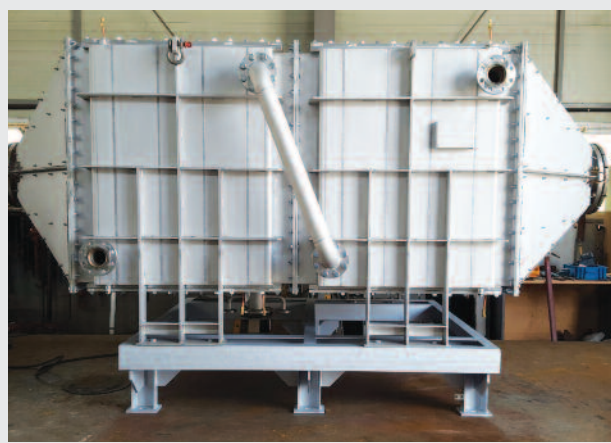
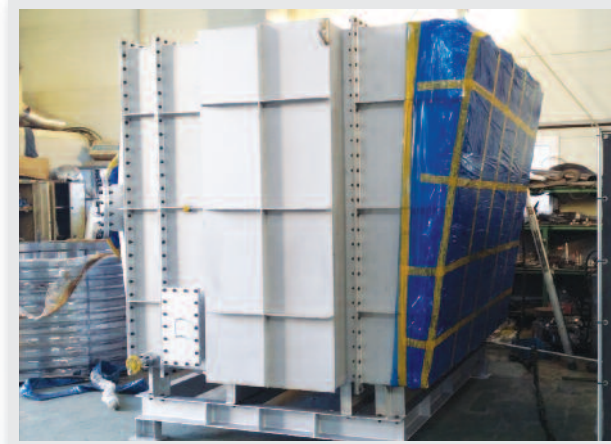
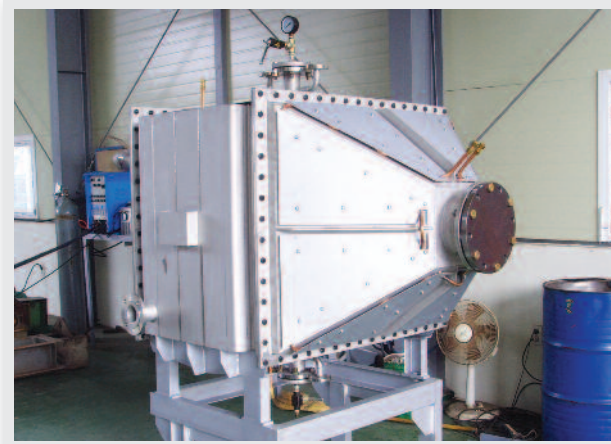
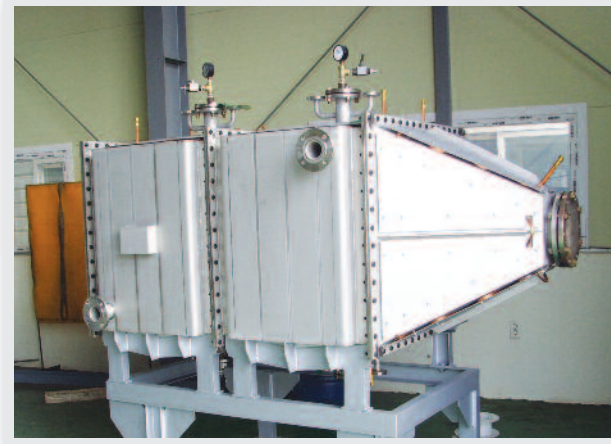
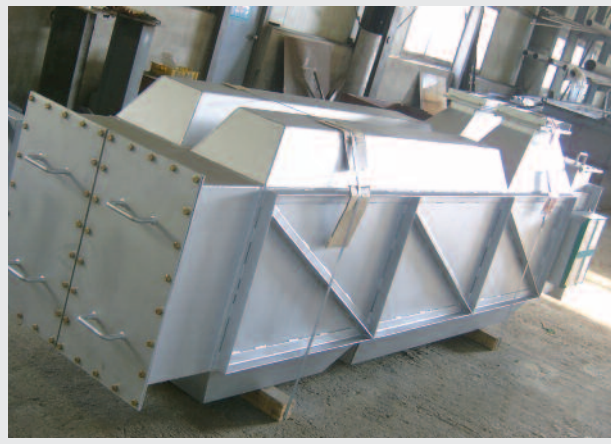
HOMO HEAT ENGINEERING



PHOTOGRAPH FINTUBE TYPE HEAT EXCHANGER

12

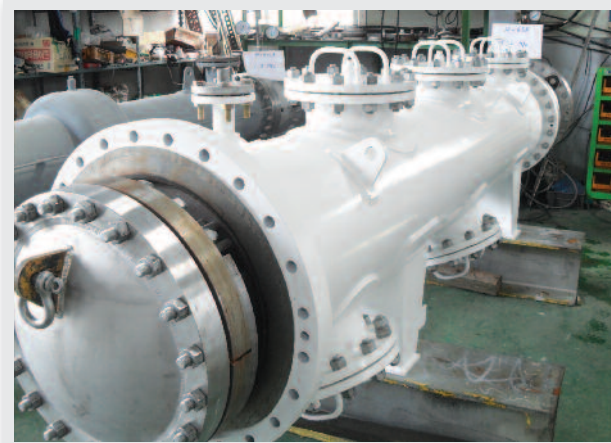
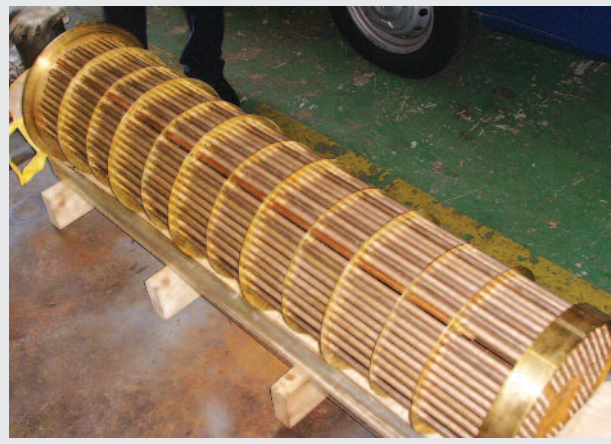
HOMO HEAT ENGINEERING

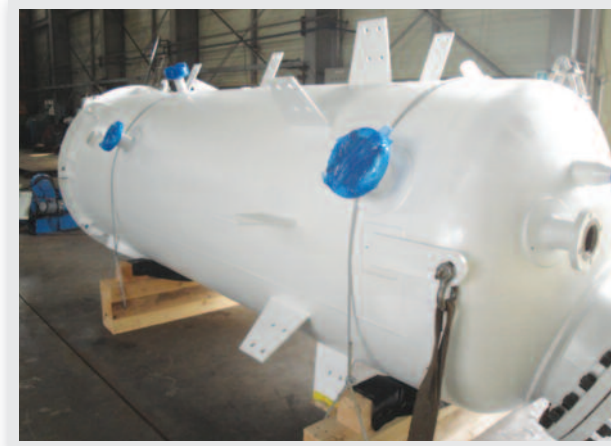
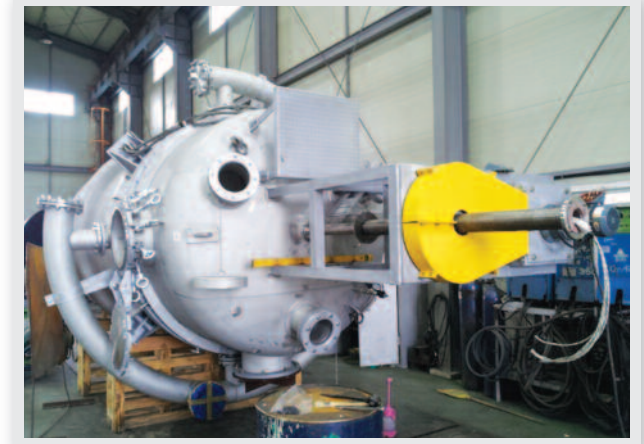


PHOTOGRAPH TUBULAR TYPE HEAT EXCHANGER

12

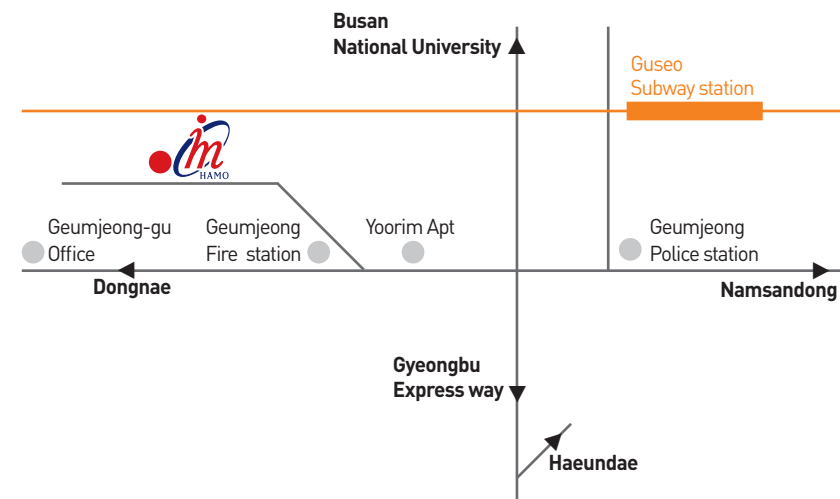
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HOMO_HEAD OFFICE

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