

PRESSURE VESSELS & HEAT EXCHANGERS



We specialize in Design & Fabrication of Pressure Vessels & Heat Exchangers in accordance with ASME Sec VIII Div 1, TEMA and other reference standards.



PRESSURE VESSELS:

We are an ASME U stamp & R Stamp certified company for manufacturing, repairing and altering pressure vessels, storage tanks, Air receivers etc.

We are well versed with ASME Sec VIII Div.1 and other reference standards. Our In-house quality control department has good documented system and we have welders qualified as per ASME Sec VIII Div.1 and ASME Sec IX.

We are familiar in fabrication of Carbon Steel, Low Alloy steel and High Alloy Steel (Stainless Steel) equipments.



ASME -Demo Vessel



SS 304 Vessel

SS 304 VESSEL :

Stainless Steel vessel designed as per ASME Sec. VIII Div. I. The vessels are hydrostatically tested. All butt weld joints are tested radiographically.

This vessel was supplied to Guru Gobindh Singh Refinery through Elliot Ebara Turbo Machinery Corporation, Japan.

CRYOGENIC VESSEL

Cryogenic vessel is a metal container designed to hold liquefied gas at extremely low temperatures (below -150°F). Cryogenic vessels are also used to hold oxygen, argon, nitrogen, helium and natural gas, and can consist of single, double or triple wall for insulation. Stainless steel and carbon steel are two common materials used in the manufacturing. We have supplied a 40KL process cryogenic vessel for MRPL Refinery for storage of Liquid nitrogen. Jacketed vessel is made of inner SS 304 and outer SA 516 Gr 70 material. The supply is made with perlite filling.



Cryogenic Vessel



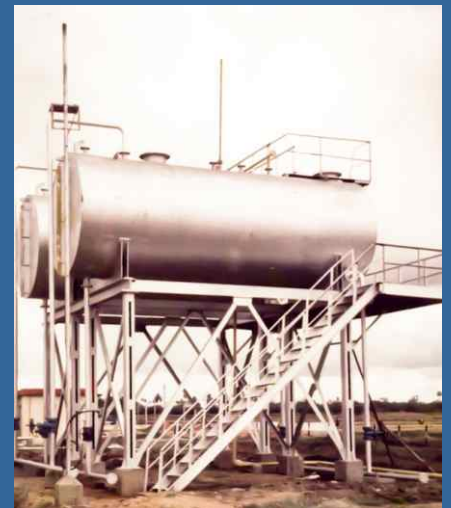
100 KL LDO Tank



Compressor Discharge plenum



Pressure Vessel Tested Pneumatically



Storage Tank

HEAT EXCHANGERS:

We offer design & fabrication of Shell and Tube heat exchangers in accordance with ASME sec VIII div 1, TEMA and other reference standards.



Heat Exchanger for DLW, Varanasi-Indian Railways Project



Lube Oil System Under Factory Acceptance Testing (FAT)



LUBE OIL COOLER :

Installed in the Lube oil system for limiting the temperature of the oil which is being supplied to the Compressor package & its drive assembly. The cooler is of floating head type which enhances heat transfer & ease the tube bundle removal.

BYPASS COOLER :

We manufacture Shell & Tube Heat Exchangers as per our design which meets the customer's specification and performance guarantee requirements. Shell & Tube Heat Exchangers are very commonly used where heat transfer requirement is of high order and the cooling medium handled in large quantity. We use the latest Software packages for designing the Heat Exchangers to ensure that the design meets all the parameters set by the customer.



We have designed and installed Shell & Tube Heat Exchangers for a Compressor Test Bed Facility at Vadodara, India. This heat exchanger is designed to handle gases like Helium, Carbon di oxide, Nitrogen and air at a pressure of 55 bar and at a temperature of 160°C. Used in Closed loop testing of Gas compressors & limits the temperature of the gases which is being tested in the compressors. The Cooler is of AEL type & it is installed at an elevation of 4.5 meter from ground level along with the Gas piping assembly.



Welding

We have In-house welding engineering department with more than 47 qualified welders. Welding Qualification is as per ASME Sec. VIII Div. 1 and ASME Sec. IX. WPS, PQR & WPQR are available for the following:

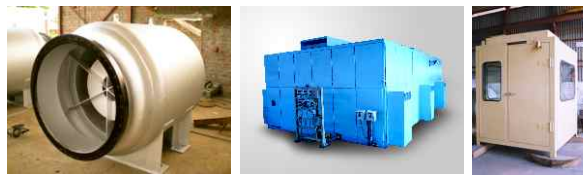
P1 to P1	P1 to P8	P4 to P8	P8 to P5 A (Grade 22)
P1 to P4	P4 to P4	P8 to P8	P4 to P8 (using inconel electrode)

Non Destructive Examination

Qualified NDE level II & Level III as per ASME Sec. VIII Div. 1 and ASME Sec. V.
Liquid Penetrant and Magnetic Particle Examination.
Radiography and Ultrasonic Testing.
RT Film Processing Facility.

Other Products

Industrial Noise Control Products



Multi - Disciplinary Turnkey Engineering Projects



Clientele

Steel & Power	Engineering	Chemical & Fertilizers	Oil
Tata Steel	EIL	FEDO	GAIL
IISCO	RIL BECHTEL	HFCL	KRL
Visag/ Bokaro/ Bhilai Steel	Andrew Yule & Co	CFCL	HPCL
Jindal Steel	LINDE/BOC India	SPIC	BPCL
Durgapur Steel	L&T/L&T MHI	RCF	BRPL
BHEL /BPL/HYD/HWR/TRY	UDHE/UDHE GMBH	MFL	MRPL
NTPC	Technimont ICB	TPL	IPCL
MSEB/ KSEB/ TNEB	KTI	Tata Chemicals	ONGC
Korea Heavy Ind.	MECON	EID Parry	Reliance
Alstom Projects	Indian Railways	GNFC	IOCL
BSES	Howden	Indo-Gulf	SABIC
Deutsche Babcock	Siemens	IFFCO	ESSAR Oil
Thermax Babcock	Atlas Copco	MRPL	Adyard Abu Dhabi
Mitusi Babcock	Air Liquide	GFCL	Quippo Infrastructure
IJT	Thyssen Krupp	GSFC	PetroFac International
Torrent power	Praxair India Pvt Ltd	GPIC Bahrain	Southern Petrochemical
ESSAR Steel	Copes-Vulcan	FLSmith	Heurtey Petrochemicals
METSO Power	Jubail chemicals	Shree Cements	Numaligarh Refinery
Belleli Energy	Ansaldoaldiaie Boilers	Ultra Tech Cements	Gulf Riyadh, Al-Khobar
Deutz	Tata Motors Ltd	Heidelberg Cements	Daelim Industrial-
Mazagon Dock	SPX Process Equipment	Ranbaxy Laboratories	Corporation
Stewards & Llyods	Downer Energy Systems	Saurashtra Chemicals	
GIPCL	GALFAR		
Hindalco	Engineering / PDO		
INOX Air Products	TOPS Technologies		
BGR Energy	ABB		
Caterpillar	DRDL		
DF/TD Power Systems	Punj Llyod		
CVL	Samsung Engineering		
	Elliot Ebara, Japan		

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