



Tech Hard

OILFIELD SUPPLIES FZE



An ISO 9001 : 2008 Certified Company



Dubai , U.A.E

Serving The Industry since 1998

- Oil & Gas
- Marine and Offshore
- Power Generation
- Mining
- Petrochemicals
- Construction and Infrastructure
- Heavy Engineering
- Food and Beverages

Stockist and Distributor

- Plates / Coil / Structural Steel
- Pipes
- Pipe Fittings & Flanges
- Valves
- Meters
- Pumps
- Loading Arms
- Tank Fittings
- Bitumen Tape (Anti corrosive Pipe Wrapping Tapes)
- Floating / Dome Roof
- Sheet Piles
- Fire Fighting Equipment
- Power Tools
- Fasteners & Gaskets
- Generators, Transformers
- Welding Equipment & Consumables
- Plate Bending Machines
- Mooring / Anchor chains
- Hoses
- Paints & Coating
- Strainers & Steam Traps
- Jacks for Tank Erection
- Insulation
- PPE
- Tank Gauge
- Other Oilfield & Industrial Supplies



Introduction

Tech Hard Oilfield Supplies FZE, An ISO 9001: 2008 Certified Company is supplier Industrial and Engineering Products used in Oil & Gas, Power Generation, Petrochemicals, Mining, Marine & Offshore, Construction & Infrastructure, Heavy Engineering and Food & Beverage Industries to Middle East & African countries. Company was established in 2009 and formerly operated under Tech Hard Building Materials LLC established in 1998.

We operate from our purpose built Office & Warehousing facility spread over 30,000Sq.m area located in Jebel Ali Free Zone, Dubai UAE that caters to the needs of local & Overseas Clients.

With dedicated & experienced workforce we can cater all sorts of requirements in minimal possible time. **Tech Hard Oilfield Supplies FZE** is also geared up logistically to provide customer service at unique level. With the help of well experienced Engineers, trained staff and logistics capability, company can easily handle day-to-day requirements of both upstream and downstream customers with a proven track record over past one & half decade.

VISION

To be the best in all fields of activity that we operate and create a better life for our employees, and community that we live in.

MISSION

To operate a world class organization, catering to the engineering industry, exceeding client to yield optimum returns on our investments while serving the community and preserving the environment for a sustainable future for coming generations.

“CUSTOMER DELIGHT & SATISFACTION TO HIGHEST LEVEL IS OUR MOTTO”

PIPES

- Carbon Steel Seamless Pipes
- ERW Pipes
- SAW / LSAW Pipes
- Heat Exchanger & Boiler Tubes
- Non Ferrous Tubes



According to ASTM A106 , API 5L Gr. B / X-42 / X-52 / X-60 / X-65 / X-70 , ASTM A53 , ASTM A333 , ASTM A 335 , or as per the Project Requirement

Size : 1/8" till 48" Diameter

Wall Thickness : Schedule-10 till Schedule- XXS

External / Internal Protection

- External Bare
- External Coated with Black or Clear Mill Varnish
- External / Internal Epoxy Coated
- External Three Layer Polyethylene Coated (3 LPE) as per D

Casing & Tubing

IN 30670

- Seamless OCTG Tubing & Casing from 2. 3/8 upto 20" Dia.
- Welded Casing upto 32"

Stainless Steel Pipes (Seamless/Welded)

- 304 / 304L / 316 / 316L Confirming to ASTM A213 , A249, A312 , A358

PIPE FITTINGS - Carbon Steel / Stainless Steel (Seamless / Butt Weld / Forged)

- Elbows - Long / Short Radius
- Bends - 3D / 5D / Customised
- Reducers - Concentric / Eccentric
- Tee - Equal / Unequal /Reducing
- End Caps
- Olets Thredolet, Weldolet, Sockolet, Hangolets



Grades As per A 234 WPB, A420 WPL6, A860 WPHY-42, A860 WPHY-52

Grades As per A 105, A 403, WP 304 / 304L, WP 316/ 316L, WP S31254

- DUPLEX / ALLOY STEEL Pipe Fittings

FLANGES - CARBON STEEL / STAINLESS STEEL

- Slip On Flanges
- Weld Neck Flanges
- Blind Flanges
- Spectacle blinds
- Socket Weld Flanges
- Screwed Flanges
- Reducing Flanges

Grade : A105 // A350 LF2 // A694 F52



PLATES / SHEETS / COILS

- M.S / S.S / Galvanised / Aluminium
- Cold Rolled (CRCA)
- Color Coated (PPGI)
- Corrugated Roofing Sheets
- Hardox / VRN
- Chequered
- Commercial / Boiler / Marine Grade

STRUCTURAL STEEL

- Universal Beams (UB) , Columns (UC), European Beams (UPN) Etc.
- Round, Deformed / Reinforcement & Shafting Bars
- Steel Gratings
- Equal & Un-Equal Angles
- Square & Flat Bars
- Scaffolding Pipes
- Hollow Sections
- Sheet piles
- Pre Engineered Steel

FIRE FIGHTING

- Fire Pump Set (Electric + Diesel + Jockey)
- Foam Chambers / Bladder Tanks / Foam Monitor / Foam Pourers
- Fire Hose Reels
- Fire Hydrants / Fire Alarms / Fire Suppression System
- Pressure Proportioner
- Nozzles (Tank Roof Cooling Sprinklers)
- Fire Extinguishers
- Firemen Breathing Apparatus & Firemen Suit
- Fire Fighting package as per project requirements

LOADING ARMS - TOP, BOTTOM & CUSTOMISED

Bulk loading and unloading of Tank Trucks, Rail Cars and Drums for moving petroleum products, liquefied gases, asphalt, solvents, or hazardous, corrosive chemicals & other liquids

METERS - LOADING / OFF LOADING

- Meter for Petroleum, Petrochemical & LPG
- Truck Metering – LPG, Aviation Fuels, Lube Oils, Refined Fuels & Other Liquids
- Industrial Process Metering – Industrial liquids, Paints, Corn Syrup, etc.

PUMPS – ONSHORE / OFFSHORE APPLICATIONS

- Centrifugal Pumps
- Positive Displacement Pumps
- Screw Pumps
- Rotary Gear / Hands Pumps
- DC Pumps (Battery Powered)
- AC Utility Pumps (High Flow)
- Metering Pumps
- Water Pumps

FLOATING ROOF & EQUIPMENT FOR STORAGE TANKS

- Dome Roof
- Floating Roof - Internal / External
- Pressure / Vacuum Vent
- Gauge hatch
- Emergency Vent
- Rim
- Rim Vent
- Manhole Covers
- Tank gauging systems
- Flame Arrestors

HOSES

- Rubber / Composite Hoses
- Submarine Hoses
- Pipe Smooth Bore Hoses
- Special Polyvalent Hoses
- Flexible Corrugated SS & PTFE Hoses
- Thermoplastic & PVC Hoses

Terminal Automation System (TAS)

- Tank Farm Automation (viz. Tank gauges, Overfill system,etc.)
- Truck Loading Automation
- Access / Entry Control
- Loading Metering Skids
- Supervisory Terminal Automation System
- Data Base Management

VALVES - CARBON STEEL / STAINLESS STEEL

We specialize in providing total service and engineering solutions for the supply of manual and actuated valves to End Users, Contractors, and trading houses. Variety of valves can be supplied in line with the end application with high degree of supply reliability.



BALL VALVES



Floating & Trunnion (1 Piece / 2 Piece / 3 Piece Design)

Size : 1/2" to 60"

Rating : ANSI 150#, 300#, 600#, 800#, 900#, 1500#, 2500#

Ends : Screwed, Socket Weld, Flanged RF, RTJ, BW

Carbon Steel, Stainless Steel, Low Temp, Alloy & Duplex Steel

Soft Seated & Metal Seated

Fire safe, NACE MR-01-75

GATE, GLOBE & CHECK VALVES



Cast Steel

Size : 2" to 72"

Rating : ANSI 150#, 300#, 600#, 800#, 900#, 1500#, 2500#

Ends : Flanged RF, RTJ, BW

Carbon Steel, Stainless Steel, Low Temp, Alloy & Duplex Steel

NACE MR-01-75

Lubricated & Non Lubricated
PFA lined Plug Valves for Chemical Industries
Fully & Partially Jacketed Designs

Size: 2" to 36"

Rating : ANSI 150#, 300#, 600#, #800#, 900#, 1500#, 2500#

Ends : Flanged RF, RTJ, BW

Carbon Steel, Stainless Steel, Low Temp, Alloy & Duplex Steel

NACE MR-01-75

PLUG VALVES



BUTTERFLY VALVES



Resilient Seated, Double Eccentric, Triple Eccentric

Size : 2" to 48"

Rating : ANSI 150#, 300#, - PN10, PN16

Ends : Wafer Type, Lugged, Semi Lugged & Flanged

Carbon Steel, Ductile Iron & Cast Iron

SPECIAL VALVES



Double Block & Bleed Valves (Ball & Plug type)

Electric / Pneumatic / Hydraulic Actuated valves

Expanding Gate Valves

Pressure Seal Valves

Mono Flange Valves

Needle Valves

Slab Gate Valves

Safety Relief Valves

PIPE CHART

SI - UNITS (METRIC)
ANSI Pipe Schedule

OD = mm
Wall thickness = mm

Weight = kg/m
Vol/m = m³

Normal Pipe Size / mm	OD mm	10	20	30	STD	40	60	XS	80	100	120	140	160	XXS	Figures based on tensile & yield				Shipping Vol/m ³	
															5S	10S	40S	80S		
1/8	6	10.30			1.73 0.37	1.73 0.37		2.41 0.47	2.41 0.47								1.24 0.28	1.73 0.36	2.41 0.48	0.0001
1/4	8	13.70			2.24 0.63	2.24 0.63		3.02 0.80	3.02 0.80								1.65 0.51	2.24 0.64	3.02 0.82	0.0001
3/8	10	17.10			2.31 0.84	2.31 0.84		3.20 1.10	3.20 1.10								1.65 0.64	2.31 0.86	3.20 1.12	0.0003
1/2	15	21.30			2.77 1.27	2.77 1.27		3.73 1.62	3.73 1.62				4.78 1.95	7.47 2.55	1.65 0.82	2.11 1.01	1.30 1.30	3.73 1.65	3.73 1.65	0.0004
3/4	20	26.70			2.87 1.69	2.87 1.69		3.91 2.20	3.91 2.20				5.56 2.90	7.82 3.64	1.65 1.04	2.11 1.31	1.71 1.71	2.87 3.91	3.91 2.24	0.0007
1	25	33.40			3.38 2.50	3.38 2.50		4.55 3.24	4.55 3.24				6.35 4.24	9.09 5.45	1.65 1.33	2.77 2.13	3.38 2.55	4.55 3.29	4.55 3.29	0.0011
1 1/4	32	42.20			3.56 3.39	3.56 3.39		4.85 4.47	4.85 4.47				6.35 5.61	9.70 7.77	1.65 1.68	2.77 2.76	3.56 3.46	4.85 4.56	4.85 4.56	0.0018
1 1/2	40	48.30			3.68 4.05	3.68 4.05		5.08 5.41	5.08 5.41				7.14 7.25	10.15 9.56	1.65 1.95	2.77 3.17	3.68 4.13	5.08 5.51	5.08 5.51	0.0023
2	50	60.30			3.91 5.44	3.91 5.44		5.54 7.48	5.54 7.48				8.74 11.11	11.07 13.44	1.65 2.44	2.77 4.01	3.91 5.54	5.54 7.63	5.54 7.63	0.0036
2 1/2	65	73.00			5.16 8.63	5.16 8.63		7.01 11.41	7.01 11.41				9.53 14.92	14.02 20.39	2.11 3.77	3.05 5.36	5.16 8.81	7.01 11.64	7.01 11.64	0.0053
3	80	88.90			5.49 11.29	5.49 11.29		7.62 15.27	7.62 15.27				11.13 21.35	15.24 27.68	2.11 4.60	3.05 6.59	5.49 11.52	7.62 15.59	7.62 15.59	0.0079
3 1/2	90	101.60			5.74 13.57	5.74 13.57		8.08 18.69	8.08 18.69						2.11 5.29	3.05 7.55	5.74 13.84	8.08 19.01	8.08 19.01	0.0103
4	100	114.30			6.02 16.07	6.02 16.07		8.56 23.32	8.56 23.32		11.13 28.32		13.49 33.54	17.12 41.03	2.11 5.96	3.05 8.52	6.02 16.40	8.56 22.77	8.56 22.77	0.0130
5	125	141.30			6.55 21.77	6.55 21.77		9.53 30.97	9.53 30.97		12.70 40.28		15.88 49.11	19.05 57.43	2.77 9.67	3.40 11.82	6.55 22.20	9.53 31.59	9.53 31.59	0.0199
6	150	168.30			7.11 28.26	7.11 28.26		10.97 42.58	10.97 42.58		14.27 54.20		18.26 67.56	21.95 79.22	2.77 11.55	3.40 14.13	7.11 28.83	10.97 43.42	10.97 43.42	0.0280
8	200	219.10		6.35 33.31	7.04 36.81	8.18 42.55	10.31 53.08	12.70 84.84	12.70 84.84	15.09 75.92	18.26 90.44	20.62 100.92	23.01 111.27	22.23 107.92	15.09	20.37	3.76 43.39	8.18 65.59	12.70 65.59	0.0480
10	250	273.10		6.35 41.77	7.80 51.03	9.27 60.31	12.70 81.55	15.09 81.55	15.09 81.55	18.26 96.01	21.44 114.75	25.40 133.06	28.58 155.15	25.40 172.33	3.40 23.08	4.19 28.34	9.27 61.52	12.70 83.19	12.70 83.19	0.0740
12	300	323.90		6.35 49.73	8.38 65.20	9.53 73.88	10.31 79.73	12.70 108.96	17.48 97.46	21.44 132.08	25.40 159.91	28.58 208.14	33.32 238.76	25.40 186.97	3.96 31.89	4.57 36.73	9.52 75.52	12.70 99.43	12.70 99.43	0.1040
14	350	355.60		6.35 54.69	7.92 67.90	9.53 81.33	11.13 81.33	15.09 94.55	23.83 107.39	27.79 158.10	31.75 194.96	35.71 224.65	281.70 253.56		3.96 35.06	4.78 42.14				0.1260
16	400	406.40		6.35 62.64	7.92 77.83	9.53 93.27	12.70 123.30	16.66 160.12	21.44 123.30	26.19 203.53	30.96 245.56	36.53 286.64	40.49 333.19	36.53 365.35		4.19 42.41	4.78 48.26			0.1650
18	450	457.00		6.35 70.57	7.92 87.71	11.13 122.38	9.53 105.16	14.27 155.80	23.88 205.74	29.36 199.15	34.93 254.55	39.67 309.62	45.24 363.56	45.24 408.26		4.19 47.77	7.78 60.46			0.2080
20	500	508.00		6.35 78.55	9.53 117.15	12.70 155.12	9.53 117.15	15.09 183.42	20.62 247.83	26.19 155.12	32.54 381.53	38.10 441.49	44.45 508.11	50.01 564.81		4.78 60.46	5.54 70.00			0.2580
22	550	559.00		6.35 86.54	9.53 129.13	12.70 171.98	9.53 129.13	22.23 294.25	28.58 171.98	34.93 373.83	41.28 451.42	47.63 600.63	53.98 672.26		4.78 66.57	5.54 77.06				0.3120
24	600	610.00		6.35 94.53	9.53 141.12	14.27 209.64	9.53 141.12	17.48 255.41	24.61 355.26	30.96 187.06	38.89 442.08	46.02 547.71	52.37 640.03	59.54 808.22		5.54 84.16	6.35 96.37			0.3720
26	650	660.00		7.92 127.36	12.70 202.72		9.53 152.87		12.70 202.72											0.4350
28	700	711.00		7.92 137.32	12.70 218.69	15.88 271.21	9.53 164.85		12.70 218.69											0.5050
30	750	762.00		7.92 147.28	12.70 234.67	15.88 292.18	9.53 176.84		12.70 234.67											0.5800
32	800	813.00		7.92 157.24	12.70 250.64	15.88 312.15	9.53 188.82	17.48 342.91		12.70 250.64										0.6600
34	850	864.00		7.92 167.20	12.70 266.61	15.88 332.12	9.53 200.81	17.48 364.90		12.70 266.61										0.7460
36	900	914.00		7.92 176.96	12.70 282.57	15.88 351.70	9.53 212.56	19.05 420.42		12.70 282.57										0.8350
38	950	965.00					9.53 224.54		12.70 298.24											0.9310
40	100	1016.00					9.53 236.53		12.70 314.22											1.0320
42	106	1067.00					9.53 248.52		12.70 330.19											1.1380
44	110	1118.00					9.53 260.50		12.70 346.16											1.2490
46	116	1168.00					9.53 272.25		12.70 361.82											1.3640
48	120	1219.00					9.53 284.24		12.70 377.79											1.4850

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