



HERMES ENERGY

Global Procurement

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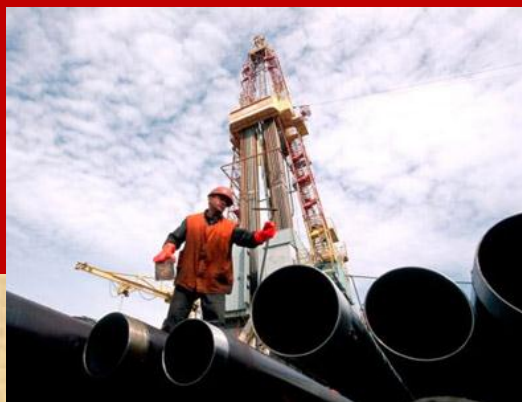
CATALOG 2022

Right Choice



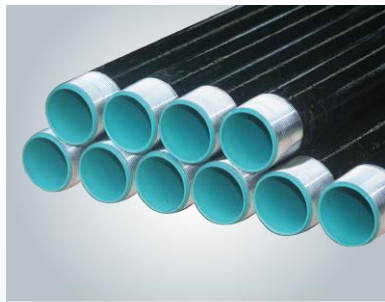
HERMES ENERGY

Hermes Energy offers the supply of special equipment for the production, processing and transportation of oil&gas



OUR WAREHOUSE





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>> OCTG



Conventional Tubing and Casing

	Tubing	Casing
OD	2 3/4 ~ 4 1/2	4 1/2 ~ 13 3/4
Grade	J55, K55, N80, L80, P110	
Connection	EUE, NUE	STC, LTC, BTC, Premium
Length	R2	R3



vacuum insulated Tubing (Casing)

Specification	Basic parameter		
Outer tube OD × Inner Tube ID (in × in)	Steel grade	Connection	Thread
3 1/2 × 2 3/4	N80 L80 P110	Inner Connection Outer Connection Extreme line Connection	3 1/2 USS
4 1/2 × 2 7/8			4 1/2 BC
4 1/2 × 3 1/2			4 1/2 BC
5 × 3 1/2			5 BC
5 1/2 × 4 1/2			5 1/2 BC
7 × 5 1/2			7 BC



precision Rolling Barrel

Applied Type	Size Range (mm)	Material	Dimensional Accuracy (mm)
Barrel & plunger	Φ28~Φ108	Low Carbon Steel Alloy Steel/Brass Tube	Φ≤57, ±0.05 Φ>57, ±0.10
Motor housing	Φ16~Φ210	Alloy Steel Tube	±0.05

>> Wellhead and Christmas Tree

Rated Working Pressure (psi)	2000-20000
Rated Working Temperature (C)	-46 C ~390 C
Material Class	AA, BB, CC, DD, EE, FF,HH
Product Specification Level	PSL1, PSL2, PSL3, PSL3G, PSL4
performance Rate	PR1, PR2



Offshore Thermal Recovery



pR2 Oil(Gas)
Recovery



Fracturing Wellhead & X-mas Tree



Anti-H₂S Oil(Gas) Recovery

>> Blowout Preventer

TYPE	Triple, Double, Single, Annular
Rated Working Pressure (psi)	3000~15000
Control System Working pressure (psi)	1200~1500
Material Class	AA BB CC DD EE FF HH
Temperature Class	pU
Ram Type	Seal, Shear



Drilling BOp Group



Annular BOp



Ram BOp

>> Pumping Unit



Api pumping Unit



Compound Balance pumping Unit



Double-horsehead pumping Unit



Motor Reversing pumping Unit

Pumping Unit	Model	Stroke Length (in)	SpM (min ⁻¹)
Beam pumping unit	C25-C1824	36-192	4-12
Compound Balance pumping Unit	8-16	78-216	4-7
Motor Reversing pumping Unit	10-18	≤ 240	≤ 2
Double-horsehead pumping Unit	6-12	83-240	3-9

>> Sucker Rod Pump



Rod pump



Tubing pump



Large bore tubing pump (4 3/4"-5")



injection & Recovery integral pump

Type	Heavy Wall Rod pump	Thin Wall Rod pump	Tubing pump
Bore Size(in)	1 1/2 ~2 1/2	1 1/2 ~2 1/2	1 3/4 ~3 3/4
Plunger Length (in)	2~24		
Barrel Length (in)	2~34		
Material	Barrel: A1-A6, B1-B6, C1-C5, D1-D5, N1-N6 Plunger: B1-B3, C1-C3, D1-D3, E1-E3, F1-F3		

>> Anti Corrosion & Anti Abrasion Products



HDPE/EXPE Liner Tubing

	Inner Bore (in/mm)	Coupling OD (in/mm)	Drift Diameter (in/mm)	Working Temperature (°C)
2 7/8	2.1/53	3.7/93.17	2.0×47.2 51×1200	100
3 1/2	2.6/67	4.5/114.3	2.5×47.2 64×1200	
4 1/2	3.5/88	5.6/141.3	3.4×47.2 86×1200	



Coated Sucker Rod

Coated Material	Composite nylon
Coated Thickness (mm)	2 (As per Client's Requirement)
Spray Layer Length (mm)	320
Spray Layer Thickness (mm)	0.2



Brass Sucker Rod pump

Type	Thick Wall Rod pump	Thin Wall Rod pump	Tubing pump
Bore Size (in)	1 1/2 ~ 2 1/2	1 1/2 ~ 2 1/2	1 3/4 ~ 3 3/4
Plunger Length (ft)	2~24		
Barrel Length (ft)	2~34		
Material	Barrel	A4: Chrome plate on Ni/Cu alloy A5: Chrome plate on brass B4: Heavy chrome plate on Ni/Cu alloy B5: Heavy chrome plate on brass	
	Plunger	D1-D3: Spray metal with Ni/Cu alloy ends E1-E3: Spray metal with Nickel plated pin ends and entire length of inside diameter F1-F3: Spray metal with Nickel plated pin ends and entire length of inside diameter	
Corrosion Medium	H ₂ S, CO ₂ , Saline water, Oxygen		

➤➤ Steam Boiler and Injection Service



	Rated Evaporation Capacity (t/h)	Working pressure (MPa)	Steam Temperature (°C)	Steam Quality (%)	heat Efficiency (%)	Fuel	Mobile Method
Sub Critical	5~50	15,17.2,21	342~370	85	≥90	Crude Oil Diesel gas	Trailer Mounted/ Skid Mounted
Super Critical	6.5~40	≤26	390	85	≥90	Crude Oil Diesel gas	Trailer Mounted/ Skid Mounted

>> Pressure Vessel



Shale Gas Separator

Working pressure (psi)	8000
Design Pressure (psi)	9000
gas Quantity (Nm ³ /d)	30 × 10 ⁴
Measuring Method	Automatic
Liquid Level Display	Magnetic Reversible Level Meter
Water Drainage Method	Automatic



Oil Well Multi-phase Storage and Collection vessel

Volume (m ³)	30-50
Design pressure (psi)	60
Maximum Working pressure	40
Testing pressure (psi)	70
Maximum Working Temperature (°C)	90
Ambient Temperature (°C)	-20~50
heat Exchange Area (m ²)	12
Consumable gas (m ³ /h)	80



Split-type phase Change Heater

heating Capacity (kW)	50~1500
Maximum Working pressure (psi)	3600
Maximum heating Temperature (°C)	200
Heating Medium	Oil, Water, gas

>> Flow Meter Device



Universal Gas and Liquid Automatic Metering Device		
Metering Range	gas Range (nm ³ /d)	0~30000
	Liquid Range (m ³ /d)	0~1500
Metering Error	Air Current (m ³ /d)	±5.0%
	Liquid Current (m ³ /d)	±2.0% (0-400) ±3.0% (400-1500)
Nominal Pressure (psi)		350
Working Temperature (°C)		5-80
power Supply		AC480V 60Hz
Explosion Proof		Exd Ⅱ BT4
Signal Output		RS485, Modbus, Ethnet



LPT-50 Single Well Gas and Liquid Automatic Metering Device		
Metering Range	gas Range (am ³ /d)	0~1000
	Liquid Range (m ³)	0~50 (Optional)
Metering Error	Air Current (%)	±5.0
	Liquid Current (%)	±3.0
Nominal Pressure (psi)		350
Power Supply		AC 220V/50Hz
Explosion Proof		Exd Ⅱ BT4
Max. Pressure Loss (psi)		≤ 6
Signal Output		Automatic Save, USB Read
Connection Flange		GB9115.17-19-88, ASME16.5



HPT-100 Single Well Gas and Liquid Automatic Metering Device		
Metering Range	gas Range (am ³ /d)	0~1000
	Liquid Range(m ³)	0~100 (Optional)
Metering Error	Air Current (%)	±5.0
	Liquid Current (%)	±3.0
Nominal Pressure (psi)		350
Power Supply		AC 220V/50Hz
Explosion Proof		Exd Ⅱ BT4
Max. Pressure Loss (psi)		≤ 6
Signal Output		Automatic Save, USB Read
Connection Flange		GB9115.17-19-88, ASME16.5

>> Drilling & Completion Tools



packer

Model	Y341-115A	Y221-115	Y344-150
Type	Compression Type		
Seating Type	Hydraulic	Rotating String	Hydraulic
Working pressure (psi)	2000	3000	10000
Max. Working Temperature (C)	120	120	150
Connection Thread	2 7/8 EUE		
Function	Water Injection	Oil Recovery	Water Injection or Oil Recovery



Liner Hanger

Model	SSX
Rated Capacity (lb)	352000
Seating pressure (psi)	1000~1700
Support Sleeve Carrying Capacity (lb)	35200
Sealing Capacity (psi)	3600



Down Hole variable Centralizer

Model	FZQ140-185	FZQ178-205
Max OD (mm)	185	205
Min Drift Diameter (mm)	121	157
Expanding Max OD (mm)	335	380
Opening pressure (psi)	2000	

>> Oil Recovery Tools



CWG Polished Rod Stuffing Box
(Self-aligning and Deviation Adjustment)

Working pressure (psi)	3600
Applicable polish rod	1, 1 1/8, 1 1/4, 1 1/2
Dimension (mm)	190×190×460
Weight (lb)	53
Bottom Connection	Clamp, Thread



polished Rod
Clamp

Specification (in)	Working Capacity (lbf)
1	17660
1 1/8	22500, 26550
1 1/4	26550, 35325
1 1/2	35325, 40050



polished Rod
Rotator

Applied Sucker rod	1, 1 1/8, 1 1/4, 1 1/2
Rotating Angle per Time	4°
Loading Capacity (lb)	28000

➤➤ Mechanized Work Over System



Workover Automatic System

Ambient Temperature (°C)	-20 ~45
Ambient humidity	≤90% +20°C
Working Wind Speed (m/s)	0–17.1 level 7 wind
Drilling Speed (s/string)	120
Hydraulic System Rated pressure (psi)	2300
Electricity Requirement 380V (±10%)	80kW
Air Source pressure (psi)	≥116



Minor Workover Automatic System

Loading Efficiency (joints/hour)	30
Loading Capacity (lb)	Rated Capacity 90000, Max Capacity 15100
Loading power	37kW
Applied Tubing	2 3/8", 2 7/8", 3 1/2" nU Tubing
Operating Staff	3 persons



Snubbing Operation Equipment

Drift Diameter (mm)	186
Accurate Sealing pressure (psi)	5000
Dynamic Sealing pressure (psi)	1000
Lifting Force (lb)	112000
Anti jacking Force (lb)	67500
Clamping Force (lb)	45000
Rate of Lifting (mm/s)	160
Rate of Descent (mm/s)	100

>> Tertiary Oil Recovery (EOR)



JFS Type polymer Dispersing & Dissolving Device

Rated Fluid Mixing Capacity (m ³ /h)	30~100
polymer Dissolving Capacity (kg/h)	150~600
Rated Fluid Density (mg/l)	5000~6000
Water Supply Tolerance (%)	±1
polymer Supply Tolerance (%)	90
Continuous Operation Time (h/d)	> 18
Whole power (kw)	22~45



Offshore platform polymer injection Equipment

Working pressure (psi)	2300~2900
Input pressure (psi)	60~260
Output Volume (m ³ /h)	1~6
Plunger OD (mm)	25~48
Stroke (mm)	64~90
Noise (Db)	≤ 87
Power(kW)	11~45