

Seamless Steel Pipe For Low Temperature Pressure Vessel GB/T18984 ASTM A333 Low Temp Pipe

Basic Information

- Place of Origin:
- Brand Name: Certification:
- Model Number:
- Minimum Order Quantity:
- Price:
- Packaging Details:
- Delivery Time:
- Payment Terms:
- BaoYang CE & ISO GB/T18984 ASTM A333

L/C, D/A, D/P, T/T, Western Union

1 Negotiable

cangzhou

- Standard Export Packing
- 7~30 working days



Product Specification

- Name:
- Process:
- Standards:
- Material:
- Wall Thickness:
- Outer Diameter:
- Processing Service:
- Usage:
- Highlight:

- Seamless Steel Pipe
- Hot Rolled Cold Rolled Cold Drawn GB/T18984 ASTM A333
- Carbon Steel Alloy Steel
- 1-20mm (0.04 Inch 0.78 Inch)
 - 6-2500mm
 - Bending, Punching, Cutting
 - Pipeline Transport, Oil/Gas Drilling, Machinery Industry
 - gb/t18984 a333 low temp pipe, gb/t18984 low temp carbon steel pipe, astm a333 a333 low temp pipe

Our Product Introduction

Low-Temperature Pressure Vessel Seamless Steel Pipe:

Low-temperature pressure vessel seamless steel pipes are specifically designed to meet the requirements of low-temperature and high-pressure environments. These pipes are manufactured using specialized materials and processes to ensure their ability to withstand extreme cold temperatures and high-pressure conditions.

Applications:

Low-temperature pressure vessel seamless steel pipes find extensive applications in various industries, including: Petrochemical Industry: These pipes are utilized in petrochemical plants for the transportation of low-temperature fluids, such as liquefied natural gas (LNG), liquid nitrogen, and liquid oxygen. They are crucial for the safe and efficient storage and distribution of these substances.

Energy Industry: Low-temperature pressure vessel pipes are used in the energy sector for applications involving cryogenic gases and fluids. They are commonly employed in liquefied natural gas (LNG) terminals, cryogenic storage tanks, and other facilities handling low-temperature energy resources.

Chemical Industry: These pipes play a significant role in the chemical industry, where processes involving low-temperature reactions or handling of cryogenic materials are carried out. They are used for transporting various chemicals, including those requiring stringent temperature control.

Pharmaceutical Industry: In the pharmaceutical sector, low-temperature pressure vessel pipes are utilized for the transportation of cryogenic fluids and gases used in the production and storage of pharmaceutical products. These pipes ensure the integrity and quality of temperature-sensitive substances.

Low-temperature pressure vessel seamless steel pipes serve the following key functions:

Low-Temperature Resistance: These pipes are specifically designed to withstand extremely low temperatures without losing their structural integrity. They can maintain their mechanical properties and effectively contain low-temperature fluids. High Pressure Resistance: The seamless construction and specialized materials used in these pipes enable them to withstand high-pressure conditions encountered in pressure vessels. They provide reliable containment for fluids under significant pressure.

Corrosion Resistance: Low-temperature pressure vessel pipes are often made from corrosion-resistant materials, such as stainless steel or alloy steel, to ensure long-term durability and resistance to chemical corrosion.

Seamless Construction: Seamless steel pipes offer uniform dimensions, smooth internal surfaces, and enhanced strength. This construction minimizes the risk of leaks, improves fluid flow efficiency, and ensures the integrity of the pressure vessel system.

Standard for Low-Temperature Pressure Vessel Seamless Steel Pipes:

Aspect	Description
Standard s	ASME SA333, ASTM A668, EN 10216-2, GB/T 3531, JIS G3115, etc.
Grades	Varying grades such as SA333 Grade 6, A668 Type C, 16MnDR, 09MnNiDR, etc.

Chemical Composition:

Element	Typical Range (%) for Selected Grades
Carbon (C)	0.12-0.30 (varies by grade)
Manganese (Mn)	0.50-1.00 (varies by grade)
Phosphorus (P)	≤ 0.025 (for most grades)
Sulfur (S)	\leq 0.025 (for most grades)
Silicon (Si)	\leq 0.35 (for most grades)
Nickel (Ni)	0.50-1.00 (for Ni-containing grades)
Chromium (Cr)	0.50-1.00 (for Cr-containing grades)
Molybdenum (Mo)	0.20-0.35 (for Mo-containing grades)

Mechanical Properties:

Property	Typical Range for Selected Grades
Tensile Strength (MPa)	380-620 (varies by grade and thickness)
Yield Strength (MPa)	205-450 (varies by grade)
Elongation (%)	≥ 20% (for most grades, varies by thickness)
Impact Energy (J)	\geq 27 (at -20°C for some grades)

BAOYANG CHINA PRODUCT DISPLAY







Company Profile

BAOYANG CHINA COMPANY INFORMATION



Cangzhou BaoYang Pipe Industry Co., Ltd

Cangzhou Baoyang Pipe Industry Co., Ltd. is located in the Hope New Area of Mengcun County, Hebei Province, China's pipeline equipment base. It is an enterprise that integrates spot storage of steel pipes, production of pipe fittings, and sales and exports. Our company mainly operates seamless pipes made of special materials, and has long-term good cooperative relationships with major steel mills such as Tianjin Seamless, Hengyang Hualing, Yantai Lubao, Inner Mongolia Baosteel, Shanghai Baosteel, Jiangsu Chengde, Anhui Tianda, etc. Our products are widely used in pipeline engineering fields such as petroleum, petrochemical, chemical, natural gas, thermal power, boilers, etc

Factory Tour



team introduction

OUR FRIENDS



Applications

BAOYANG · CHINA **APPLICATION SCENARIOS**





