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PRODUCT SUPPLY DATASHEET · CARBON STEEL PIPES & FITTINGS

Low Temperature Carbon Steel Pipes

Low-temperature carbon steel pipe for cryogenic systems, cold-storage facilities and industrial piping that operates below freezing.



Strapped bundle of black low-temperature carbon steel pipes with stencilled size and grade markings in a warehouse

Product	Low Temperature Carbon Steel Pipes
Category	Carbon Steel Pipes & Fittings
Typical applications	Cryogenic systems, Cold storage facilities, Industrial piping
Brands and sources	Tenaris, Vallourec
Supplied from	Riyadh, Saudi Arabia; delivery across the Kingdom
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OVERVIEW

Ordinary carbon steel loses toughness as temperature falls and can fracture rather than bend under impact. Low-temperature carbon steel pipe is made from fine-grained, impact-tested steel so that it stays tough at sub-zero operating temperatures, which is why it is specified for refrigerant and brine lines, cold-storage and blast-freezer plant, LPG and cryogenic gas handling, and process piping in cold environments.

Al Safsaaf supplies specialised low-temperature carbon steel pipe sourced from Tenaris and Vallourec, for cryogenic systems, cold-storage facilities and industrial piping in extreme environments.

The enquiry should state the minimum design temperature, specification and grade, nominal size, schedule, length and end finish, and whether impact-test results and a mill certificate are required. Matching low-temperature fittings and flanges should be specified for the same line so the whole system retains its toughness rating, not just the straight pipe.

SUPPLY NOTES

- Retains impact toughness at sub-zero operating temperatures
- Suited to cryogenic, refrigeration and cold-storage piping
- Sourced from Tenaris and Vallourec
- Supplied for industrial piping in extreme environments

TO CONFIRM AT ENQUIRY

Please state the following so the correct item is quoted:

- Grade and specification
- Minimum design temperature
- Size and schedule range
- Impact test certification

> **About this document.** This datasheet summarises the product range supplied by Al Safsaaf Trading & Contracting Company. It is not a manufacturer's data sheet or a mill test certificate. Material grade, dimensions, pressure class, coating and certification are confirmed in the quotation, and manufacturer documentation and test certificates are supplied with the goods where applicable.