

PENFLEX

OXYGEN LANCE HOSES FOR BASIC OXYGEN FURNACES

Clean and durable oxygen lance hoses play an important role in steelmaking. Delivering oxygen to a Basic Oxygen Furnace (BOF) allows temperatures to climb high enough to complete the conversion of molten pig iron into steel.

Penflex designs and manufactures robust lance hoses with a heavy wall construction well suited to the constant handling—and frequent mishandling—these products see once in service. The development of a cleaning specification specifically for lance hoses demonstrates our commitment to this particular application.

LANCE HOSE DESIGN

Our unique range of manufacturing capabilities ensures product consistency across all components of the hose—from interlocked liners and casing to the corrugated hose and braid itself. With a full range of sizes from ¼” to 24”, as well as several alloys to consider, Penflex’s flexible lance hoses are designed for use in the rugged steelmaking environment.

CLEANLINESS REQUIREMENTS

Cleanliness is essential in oxygen lance hoses. To ensure their performance, Penflex developed cleaning specification IN-PN-88. This process assures removal of contaminants that could compromise the required cleanliness.

LANCE ENGINEERING

Combining lance hose technology with other complimentary components can ensure longer life in service. For example, Penflex engineers may suggest swivel joints to avoid torque or expansion joints for absorbing axial growth. Both improve upon current lance hose design.

At a glance

Penflex offers the widest range of metal hose and braid products in the industry

Nominal I.D. ranges from ¼” to 24”

Custom-pitch options for required flexibility

On-call engineering support for hose products and assembly quoting

ASME IX certified welders and on-site Certified Welding Instructor and Non-Destructive Examiner ensures highest quality fabrication

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Penflex hoses are sold through a worldwide distribution network