IRONFLEX™ SS-DBMH

Double-braided 316 stainless-steel corrugated metal hose for demanding fluid connections in industrial plants, terminals and data-center systems.

Construction

Component	Brochure description
Inner tube	316 stainless-steel corrugated tube
Braid	Two layers of 316 stainless-steel wire braid
Fittings	316 stainless-steel sanitary connections or fixed × floating flanges

Features and operating notes

- Double braid adds reinforcement for pressure resistance
- Flexible routing in constrained spaces
- Corrosion resistance for selected chemical and solvent service
- 316 stainless-steel tube, braid and fitting options
- Fixed × floating flange and sanitary configurations

Specifications

Property	Brochure entry
Tube	316 SS corrugated
Braid	Double 316 SS wire braid
Fittings	316 SS sanitary or fixed × floating flange
Temperature stated	−325°F to +1000°F (−196°C to +538°C)
Vacuum rating stated	29 inHg
Safety factor stated	4:1

Applications

Marine and terminal: Chemical and fuel loading/offloading; ship-to-shore connections.

Transport: Truck tower and railcar loading/offloading.

Processing: Refineries, petrochemical plants, solvents and fuel transfer.

Data centers: Liquid-cooling and flushing connections.

Storage and specialty service: Tank connections and cryogenic applications subject to engineering review.

Listed assembly options

Nominal ID	Length	End configurations listed
2 in	20 ft	Fixed × floating flange; sanitary
3 in	20 ft	Fixed × floating flange; sanitary
4 in	20 ft	Fixed × floating flange; sanitary
6 in	20 ft	Fixed × floating flange; sanitary
8 in	20 ft	Sanitary
10 in	10 or 20 ft	Fixed × floating flange
12 in	10 or 20 ft	Fixed × floating flange

Safety and documentation

The brochure describes testing at 1.5 times rated working pressure and a manufacturer test certificate. The supplied brochure has an empty pressure specification panel; working pressure, movement and end fitting ratings must be established for each assembly.

Source and selection note

The source brochure lists EN 13765:2018 Type 3 and 4:1 safety factor for this metal hose. Those statements should be validated against the applicable metal-hose assembly standard and manufacturer documentation before publication as a certified rating. Custom sizes and lengths are available on request.

Confirm media, pressure, temperature, vacuum, length, fittings, electrical requirements and current manufacturer documentation before ordering.