PIPE FLOTATION SYSTEMS - FINLAND

Pipe float technical overview

Closed-cell PE foam body with side installation

A removable flotation body for dredging and slurry pipelines. The longitudinal opening allows the float to be positioned from the side without dismantling an assembled pipeline.

CONSTRUCTION

Multilayer solid closed-cell polyethylene foam with a protective outer layer. No single hollow air chamber.

INSTALLATION

Open the flexible body, position it around the pipe from the side, then apply the specified securing arrangement.

APPLICATION INPUT

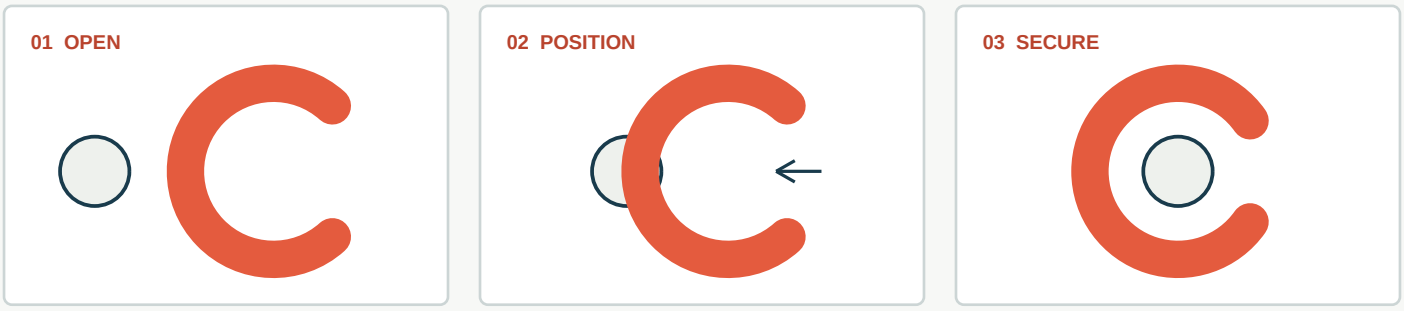
Pipe OD, material, wall thickness or weight, floating length, slurry density, water type and operating conditions.

COMMERCIAL

Minimum Order Quantity: 30 units. Final geometry, quantity and spacing are confirmed during technical review.

Side-mounting scheme

Conceptual sequence - final securing details are selected for the application.



DURABILITY PRINCIPLE

Traditional hollow HDPE shell floats can crack or split during rough towing or heavy impact, allowing the cavity to flood. The solid closed-cell PE foam body has no central air chamber to flood. It absorbs local impacts, resists abrasion, and the intact closed-cell material retains its full buoyancy even after severe surface wear. Buoyancy changes only where material is physically removed or permanently crushed.

This document is an application overview. Final dimensions, float quantity, spacing and securing arrangement are confirmed during quotation.