

Compact Penstock

DN100-300



Description

Compact Penstocks from Fernco are a compact, lightweight design for reliable isolation and flow regulation of water in even the most demanding environments. Fernco's Penstocks deliver excellent corrosion resistance, UV stability, and a long service life with minimal maintenance to meet the requirements of any project.

HMWPE (HDPE grade PE500) construction for increased impact strength and durability versus industry standard PE300. The Compact Penstocks are rated to at least 4mWC (metre water column) on and off seating, while offering a reduced footprint and invert level. The Penstocks are manufactured to, and greatly exceed the performance requirements of, BS7775 and Class 5 of DIN16569-4.

Benefits

Low-maintenance solution with a 60-year design life

Excellent corrosion resistance and UV stability for harsh environments

Rated to 4m water column (4mWC) on and off seating for reliable isolation

Compact, lightweight design, reduced footprint and lower invert level

Durable HMWPE (PE500) construction for superior impact resistance and longevity

Certified to **ISO 14001:2015** and British Standards Institution (BSI) **BS EN ISO 9001:2015**



For more information on this product scan the QR code or visit hydroflowcivil.co.nz



MADE IN BRITAIN



Specification & Dimensions

Fernco's Penstocks are designed to meet the diverse requirements of modern water management and civil infrastructure projects. For projects where 7 metres of head pressure rating is not required, or there is restricted access, Fernco manufactures a Compact Penstock for these applications.

Penstocks (sometimes called water or sluice gates) control or isolate the flow of water between two areas by moving a door (gate) within a rigid frame to seal on all four sides. They are typically mounted onto headwalls or inside manholes, with the Fernco wall mounted rising spindle Penstocks suitable for mounting over a pipe outlet or square opening onto a flat surface.

Backplate, side guides, and gate: HMWPE (HDPE grade PE500).

Frame and support structure: 1.4401 Stainless Steel (316 marine grade).

Seals: Resilient, self-adjusting EPDM seal. Nitrile seals can be supplied on request for installations with hydrocarbon or petrochemical contaminants.

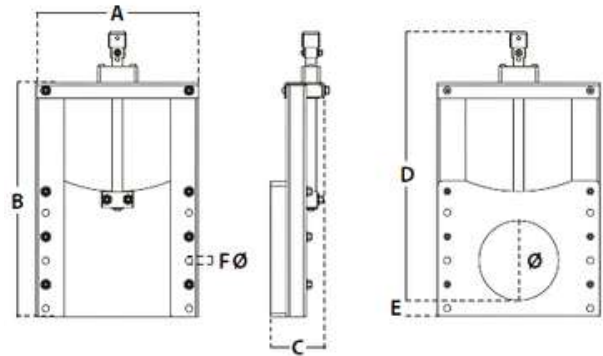
Threaded Nut: Polyacetal (POM).

Direction of closure: Clockwise to close.

Spindle: Non-Rising TR20x4 spindle.

Spindle Cap: Supplied fitted with a BS Cap as standard for operation with a T-Key or extension spindle and hand wheel.

Design Life: Fernco Compact Penstocks are adequate for a 60-year design life.



Product Code	Diameter (Ø)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Pressure (mWC)	Weight (kg)	Tightening Torque Nm
FPSCO100	100	256	340	101	407	30	13	4	7	8
FPSCO150	150	306	440	101	507	30	13	4	9	8
FPSCO200	200	356	540	101	607	30	13	4	11	8
FPSCO225	225	381	590	101	657	30	13	4	13	8
FPSCO250	250	406	640	101	707	30	13	4	14	8
FPSCO300	300	456	740	101	807	30	13	4	17	8

