

DESCRIPTION

Channel penstocks are designed to block the fluid passage in open pipes as long as the height of the board is not exceeded.

- Tightness on three sides (lower side and lateral sides) usually unidirectional. Bidirectional tightness available as an option.
- It is unidirectional, consider a preferential assembly in favor of the sealing of the gasket.
- Sizes from 200x200 to 2000x2000. Other dimensions, ask the manufacturer.
- Rising spindle (standard) and non-rising spindle (optional)
- Manual (steering wheel or reducer), pneumatic (single or double effect), electric or hydraulic actuators.
- Tightness according to standards:
 - DIN 19569-4 (class 5) 0,02 l/min per linear meter of joint.
 - AWWA c561-04 (section 5) 1,24 l/min per linear meter of joint.
- OPTION:
 - Possibility of "ACS" health certificate according to current regulations of the French Ministry of Health. Check with the manufacturer for requirements.

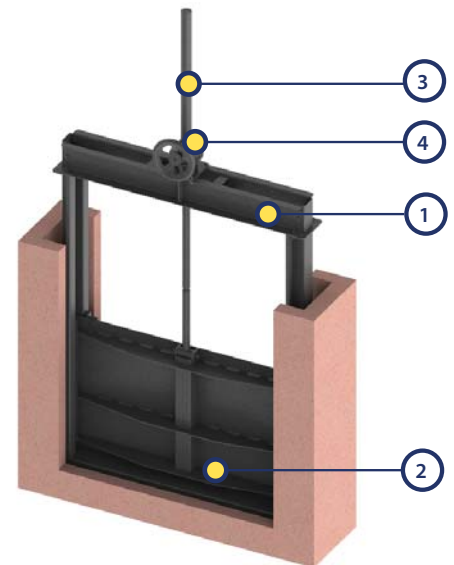
DESIGN FEATURES

- Closed frame design with intermediate reinforcing bridges for large sizes.
- Self-cleaning HDPE glides with low coefficient of friction, minimizing the actuation force and extending the useful life of the joint.
- Double lip seal up to 1200 mm. For larger sizes musical note board.
- Self-adjusting double lip EPDM seal. Without wedges for the closure and therefore with a lower torque exigencial.
- Mounting of drives on the bridge.
- Tightness level according to DIN 19569-4 Class 5 (1.2 l / min per meter).
- Machining of the spindle to allow the complete opening of the deck, so no mechanical stops are necessary.
- Wide availability of accessories (straight or inclined feet, extensions, wall brackets, mechanical stops, locking devices, limit switches...)

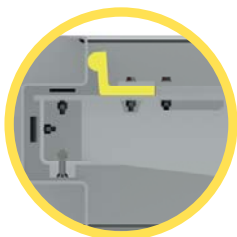
MATERIALS

Nº	Part	Standard materials	Optional materials
1	Frame (Guide frame)	AISI-304L stainless steel	Carbon steel, stainless steel AISI-316L. Duplex, Superduplex, ...
2	Board	AISI-304L stainless steel	Carbon steel, stainless steel AISI-316L. Duplex, Superduplex, ...
3	Spindle	AISI-304L stainless steel	AISI-316L stainless steel
4	Spindle nut	Bronze	-
5	Joints	EPDM	NBR
6	Buffers and skids	PE-HMW (PE-500)	PE-UHMW (PE-1000)
7	Sliders	PE-HMW (PE-500)	PE-UHMW (PE-1000)
8	Bolts & nuts	A2	A4

Any other material, contact the manufacturer.



JOINTS DETAILS



Unidirectional side joint

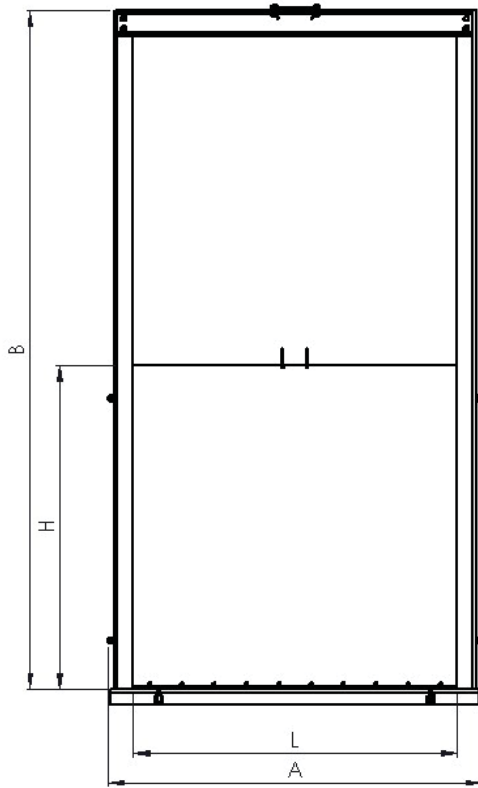


Bidirectional side joint

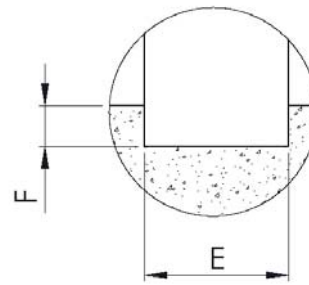


Bottom joint

TECHNICAL DATA



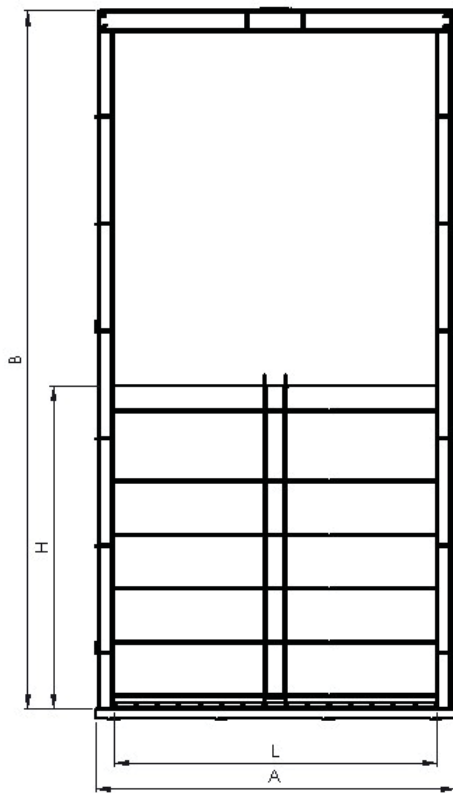
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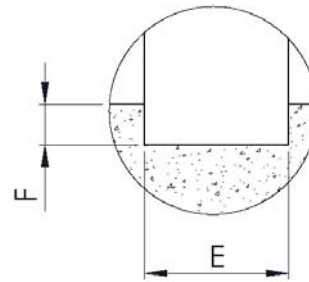
Model	Dimensions (mm)	L (mm)	H (mm)	CA	A (mm)	B (mm)	E x F (mm)
CCAN 200x200	200x200	200	200	0,1	360	500	160x60
CCAN 300x300	300x300	300	300	0,2	460	700	160x60
CCAN 400x400	400x400	400	400	0,3	560	900	160x60
CCAN 500x500	500x500	500	500	0,4	660	1100	160x60
CCAN 600x600	600x600	600	600	0,5	760	1300	160x60
CCAN 700x700	700x700	700	700	0,6	860	1500	160x60
CCAN 800x800	800x800	800	800	0,7	960	1700	160x60
CCAN 900x900	900x900	900	900	0,8	1060	1900	160x60
CCAN 1000x1000	1000x1000	1000	1000	0,9	1160	2100	160x60
CCAN 1100x1100	1100x1100	1100	1100	1	1270	2450	300x70
CCAN 1200x1200	1200x1200	1200	1200	1,1	1370	2650	300x70
CCAN 1300x1300	1300x1300	1300	1300	1,2	1470	2850	300x70
CCAN 1400x1400	1400x1400	1400	1400	1,3	170	3050	300x70
CCAN 1500x1500	1500x1500	1500	100	1,4	1670	3250	300x70

Orientative dimensions, depending on the design, may vary.
Data valid for the following materials: Carbon steel, AISI-304 and AISI-316
For other dimensions and materials consult the manufacturer.

TECHNICAL DATA



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Model	Dimensions (mm)	L (mm)	H (mm)	CA (m.c.a)	A (mm)	B (mm)	E x F (mm)
CCAN 1100x1100	1100x1100	1100	1100	1	1380	2440	450x100
CCAN 1200x1200	1200x1200	1200	1200	1,1	1480	2640	450x100
CCAN 1300x1300	1300x1300	1300	1300	1,2	1580	2900	450x100
CCAN 1400x1400	1400x1400	1400	1400	1,3	1680	3100	450x100
CCAN 1500x1500	1500x1500	1500	100	1,4	1780	3300	450x100
CCAN 1600x1600	1600x1600	1600	1600	1,5	1880	3500	450x100
CCAN 1700x1700	1700x1700	1700	1700	1,6	2030	3700	550x100
CCAN 1800x1800	1800x1800	1800	1800	1,7	2130	3900	550x100
CCAN 1900x1900	1900x1900	1900	1900	1,8	2230	4100	550x100
CCAN 2000x2000	2000x2000	2000	2000	1,9	2330	4300	550x100

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Data valid for the following materials: Carbon steel, AISI-304 and AISI-316
For other dimensions and materials consult the manufacturer.