DNS Stainless Steel Penstock

Penstock Range

The DNS penstock has been designed and manufactured in the UK to the highest standards using the latest technologies. Our compact and lightweight design is ideal for flow control and isolation of fluids. Designed to offer superior sealing performance for varied applications including water, wastewater, sewage, irrigation, hydroelectric and much more.

Robustly fabricated in stainless steel having a self-contained frame for wall mounting, elastomeric sealing to four sides and nylon guides to reduce operating friction. Designed to withstand 6mWC (higher on request), bi-directional seating and non-rising stem acting through a self-lubricating thrust arrangement.

Standard operation is by means of a square tapered cap. Contact the sales office for gearbox, actuation and remote operating equipment solutions.

Our range of penstocks have been designed and manufactured in the UK, in accordance with BS 7775:2005.



Features

- Bi-directional with resilient sealing to all sides.
- Fabricated in stainless steel to EN 10088 1.4302 [304] or 1.4401 [316] with complementing fasteners.
- Non-rising rolled stainless steel spindle as standard, rising spindles on request.
- Self-cleaning high-density nylon gate guides for reduced friction.
- Self-adjusting EPDM seals for optimal sealing performance.
- Tapered drive cap as standard.
- Seating pressure:6mWC on/off seat
- Size range: 150NB to 300NB
- Other sizes available on request.

Applications

- Waterways
- Power Plants
- Industrial Effluent Plants
- Pumping Stations
- Wastewater & Sewage Treatment plants
- Hydro Power
- Drainage and Flood Control

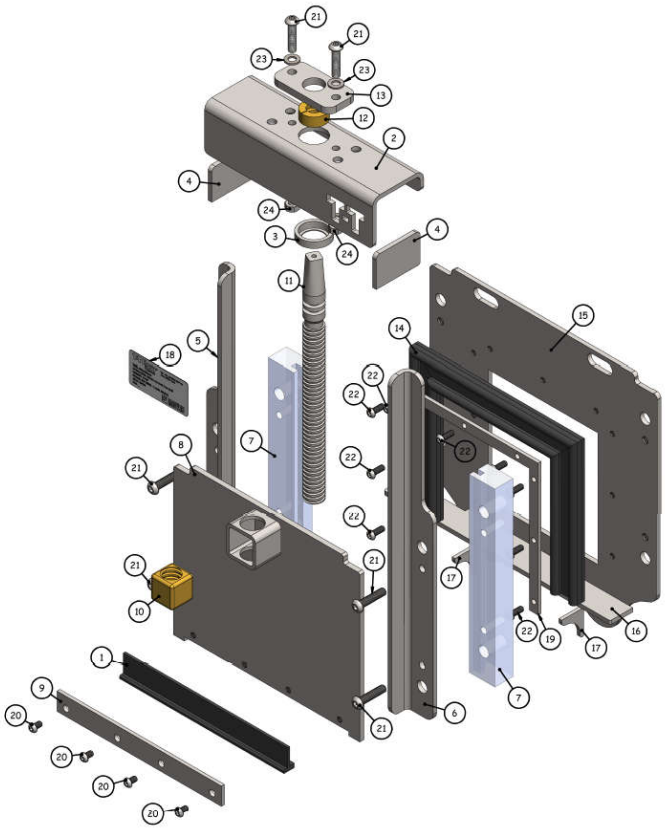
Technical Specification

DESIGN STANDARD	BS 7775 and DIN 19569-4
HYDROSTATIC TESTING	EN 12266-2
MAXIMUM HEAD	6MWC

Designed Network Solutions Ltd, 15 Buckingham Drive, Northwich, CW9 8WB
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Parts List

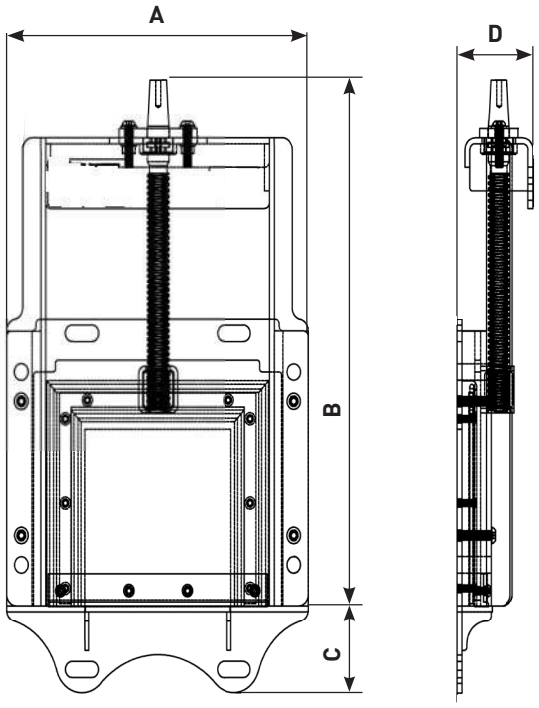
NO.	PART	MATERAIL
1	GATE GASKET	EPDM
2	THRUST BLOCK	ST. STEEL
3	THRUST BLOCK CUP	ST. STEEL
4	THRUST BLOCK END CAP	ST. STEEL
5	VERTICAL SUPPORT LH	ST. STEEL
6	VERTICAL SUPPORT RH	ST. STEEL
7	GATE GUIDE	NYLON
8	GATE & NUT HOUSING	ST. STEEL
9	GATE GASKET RETAINER	ST. STEEL
10	STEM NUT	BRASS
11	NON-RISING SPINDLE	ST. STEEL
12	SPINDLE NUT	BRASS
13	SPINDLE NUT RETAINER	ST. STEEL
14	MAIN GASKET	EPDM
15	REAR PLATE	ST. STEEL
16	GATE SHELF	ST. STEEL
17	SHELF GUSSET	ST. STEEL
18	DATA LABEL	VINYL
19	MAIN GASKET RETAINER	ST. STEEL
20	M6x10 BUTTON HD SCREW	ST. STEEL
21	M8x35 BUTTON HD SCREW	ST.STEEL
22	M6x16 BUTTON HD SCREW	ST. STEEL
23	M8 FLAT WASHER	ST. STEEL
24	M8 NYLOC NUT	ST. STEEL



Dimensions

SIZE (W x H)	A	B	C	D	WEIGHT (KG)
150 x 150	310	450	80	79	11
200 x 200	360	549	80	79	13
225 x 225	385	599	80	79	15
250 x 250	410	643	85	79	17
300 x 300	460	749	85	79	20

Dimensions in mm. Weights are approximate.



Options & Accessories

- Larger sizes available
- Rising spindle
- Higher seating pressures
- Hand-wheel
- Extension spindles
- Gearbox
- Electrical actuator

*Options maybe available subject to factory lead-times

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