Cast Iron Penstock – Channel Penstock

General

The Heavy Duty KT Penstock is engineered from robust cast iron or ductile iron for its main structure, complemented by a stainless steel spindle and fasteners, along with bronze seals. It is designed and manufactured to meet or exceed the standards set forth in BS7775:1995 and AWWA C501:1992.

Feature

The KT Penstock features a successful design suitable for a wide range of applications, including waterworks, treatment facilities, flood control projects, reservoirs, and agricultural irrigation. It is available in square, rectangular, and circular openings, and is designed to function effectively under ON/OFF water pressure conditions. All components are constructed from corrosion-resistant materials, including wedges, sealing surfaces, and fasteners. Additionally, the stem offers both rising and non-rising options to accommodate customer requirements.

Product Info

The Channel Penstock is available in cast iron, ductile iron, and various fabricated materials. It is designed to be mounted between two side channel grooves without wall attachment, making it ideal for regulating channel water flow or distribution.

The design features an overflow option at the top of the gate, and the penstock is offered in both square and rectangular sizes. Additionally, this Channel Penstock meets the acceptable water head leakage requirements in accordance with the BS 7775:2005 and AWWA C-560:21 specifications.

Technical Specifications

Size	:	200mm to 2000mm (custom sizes available upon request).
Working Pressure	:	Seating, 6m **|** Unseating, 6m.
Mounting	:	Wall mounted.
Application	:	Suitable for both seating and non-seating pressure scenarios. Sewage & Water Treatment, Flood Control, Industrial, Drainage & Irrigation

Material

Frame & Door	:	Cast Iron BSEN1561:11 (G250) or Ductile Iron to BSEN 1563:18 (G500/7)
Frames & Door Seal	:	Phosphor Bronze (PB102) or Stainless Steel (SS304) or Stainless Steel (SS316)
Thrust Nut	:	Gunmetal **LG2**