



# industrial PENSTOCKS Ltd

Penstocks Valves fittings and installation for fluid control



## Engineering Data Sheet IPL1 Doc - Penstocks

PROJECT :

REF./TAG No :

PROCESS SERVICE :

This data sheet is to be read in conjunction with the project-specific specification and IPL Standard specification(s) 0001CIP, 0002SGW, 0003SGC-

Data marked with **E** shall be provided with the enquiry submission.

Line	Detail	Units
1	Penstock configuration	
	a) On-seating/ Off seating	E
	b) Flush invert/rebate invert/weir*	E
2	Installation	
	Channel rebate/ pipe flange/ wall/ wall thimble*	E
3	Process fluid	
	Potable Water/ Wastewater/ other (give details) *	E
4	Special service conditions	
	River intake/ submerged solids/ sand filter/ abrasive particles/ other (give details)*	E
5	Operating environment	
	Inland/ industrial/ coastal/ indoor*	E
6	Penstock aperture	
	Width x Depth/ diameter	E mm
7	Maximum static head	
	On seat :	E m
	Off seat :	E m
8	Invert to coping level	
		m
9	Stem configuration	
	Rising/ non-rising*	E
10	Mode of operation :	
	Manual	
	Powered	
	Handwheel/ gearbox/ tee key/ crank handle	E
	Electric actuator/ hydraulic/ pneumatic*	
	Door position indicator required	
	Yes/No*	E
12	Spindle protection tube (rising spindle only)	
	Polycarbonate/ steel*	E
13	Operating function	
	Control on off/ modulating/isolation/ fail safe*	E
14	Frequency of operation	
	Cycles/ hr/day/week/month/year*	E
15	Door opening/ closing rate (power operation)	
	240-300mm/ min/ other (give details)*	Mm/min
16	Protective coating	
	Manufacturers standard/ None/Wimes/Other*	E
17	Penstock materials of construction	
	Cast Iron, Stainless Steel 304/316*	E