



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 b) Flush invert/rebate invert/weir* |
| | | E 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 : Off seat : |
| | | E m E m |
| 8 | Invert to coping level | |
| | | m |
| 9 | Stem configuration | Rising/ non-rising* |
| | | E |
| 10 | Mode of operation : | |
| | Manual | Handwheel/ gearbox/ tee key/ crank handle |
| | Powered | Electric actuator/ hydraulic/ pneumatic* |
| | | E |
| | 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 |