

Special drives for actuating penstocks (Gate valves without housing)

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Customer information

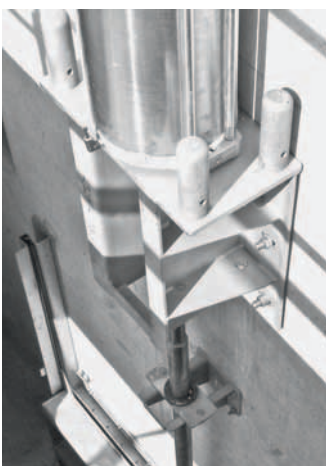
Fontaine Europe SAS, located in Roissy Charles de Gaulle, France, is a world leader in the production of penstocks for weirs (gate valves without housing). The weirs are used to control the flow rates of large volumes of water. Pneumatic drives are capable of opening and closing these penstocks, which are installed in a metal frame. The flow of water through the respective channel can thus be stopped. Fontaine's primary customers are communities and large engineering offices in the field of water management.

Task

- Actuation of 28 penstocks by means of pneumatic linear drives
- Each weir makes it possible to open and close a filtration basin
- It must be possible to actuate each weir manually in emergency situations
- It must be possible to sense the end positions and transmit these to a controller

Solution

- Supply 28 type DLP-250-800-A-S2 pneumatic actuators in order to operate the weirs
- The S2 function of the actuator (through piston rod) makes it possible to attach an emergency handwheel at the top. The drives can thus be advanced manually in case of emergency.
- Each of the penstocks is equipped with two SME-8 proximity sensors for sensing the mechanical end-positions



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