Harbin-Mopanshan Water Supply Pipeline

Application Field:	Water distribution
Place:	Harbin, China
Date:	2005-2009
Products:	5 x VAG Plunger Valves DN 1400/1600 PN 10/16; 18 x VAG EKN® Butterfly Valves with hydraulic brake-and-lift cylinder DN 700/900 PN 10 and 16; 60 x VAG EKN® Butterfly Valves with electric actuator DN 400 – 1100 PN 10; 48 x VAG EKN® Butterfly Valves with pneumatic actuator DN 400 – 800 PN 10

Project description:

In the period from 2005 to 2009, a new drinking water supply system for the city of Harbin was established. The water transport pipeline running from the Mopanshan reservoir to the city of Harbin was thelongest in the north-east of China at that time.

Two 180 km long parallel pipelines now supply the city's 10 million inhabitants with drinking water.

Each of the pipelines runs from the Mopanshan reservoir through a water treatment plant and directly to the city's supply network.

The difference in altitude between the reservoir and the treatment plant is over 120 metres.

The two water treatment plants have a total daily treatment capacity of 900,000 litres of water.

VAG Plunger Valve DN 1400

Pump station

Harbin-Mopanshan Water Supply Pipeline

To be able to control the water pressure and the flow rate over the entire distance and to compensate for the slope, VAG Plunger Valves with an internal diameter of 1.60 m were installed.

A VAG Plunger Valve is being put into operation.