Various processes within the mining industry require water flow to be maintained at a constant rate.

Applications include:

- Glandwater flow control
- Mechanical seal flow control
- Water treatment
- Process water control
- Safety showers & Eye Washing equipment
- Pump protection
- Dust suppression
- Fire Fighting
- Liquid ring vacuum pump seal / cooling water
- Plant washdown hoses
- Other industrial applications

Please refer to our website for comprehensive information regarding Maric Flow Control valves for mining applications and glandwater flow control. This is in pdf (downloadable) format.

Gland-Water Flow Control
The Maric flow control valve is designed to deliver a fixed constant (maximum) flow of water, irrespective of pressure differential across it, within a given pressure differential range.

In the case of slurry pumps, this means, the Maric flow control valve will maintain a constant flow of glandwater:

Regardless of:
1. fluctuating gland-water supply pressure,
2. gland condition, or
3. slurry pump discharge pressure.

Benefits, & Why Use a Maric Valve?
Maric Flow Control valves are used to:

- Protect centrifugal pump glands, through:
  - Ensuring adequate constant flow rate,
  - Ensuring glandwater availability in the event of failure of any one or more centrifugal pump glands on a common glandwater supply. Relatively high flows through glands are not of particular concern here, as long as the glandwater pump can maintain the supply.

- Prevent unnecessary dilution of slurry, (or liquor in the alumina refining industry) by ensuring that glands cannot receive more than a pre-determined flow rate. A lower than set rated flow is not a particular concern here, as the condition of the gland will ultimately determine flow rate, up to the pre-set maximum permitted by the flow controller. Full rated flow of the flow controller will only result when gland is sufficiently loose enough or worn to enable it.

- Minimise wastage of available packing water supplies.