



### *eDART's Poppet Type Samplers*

*eDART process control samplers automatically obtain a sample reliably.  
They are installed in a turbulent pipeline where the mixing is good.*



#### **Do you have these issues?**

- Losing metal to tails
- Unreliable manual sampling
- Densitometers that need calibration checks
- Not enough head to install a cross-cut metallurgical sampler
- Inability to trend the process over time
- Not enough plant data and running the plant without knowing:
  - o how concentrate the concentrate is
  - o how the roughers are roughing
  - o the metal composition after each flotation machine in a bank
  - o how the ore grade and grind has changed over time
- Hectic shutdowns – the thief sampler may be serviced while the process is online

#### **Then the eDART range of poppet samplers will benefit you by providing:**

- Periodic process performance checks - mineral composition, slurry density and particle size
- Plant calibration for continuous process improvement
- Sample campaigns for mass balance

## Sampler Solution Specialists

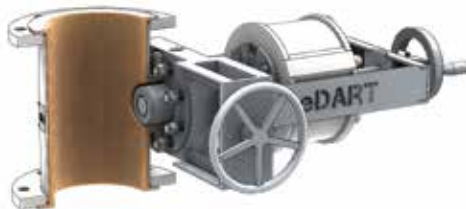
### *eDART's Poppet Type Samplers*

The **poppet sampler** has been available for about 30 years and is popular as an economic slurry control sampler. It is useful for automatic periodic sampling to get composite or shift samples in order to track the plant performance; for sampling campaigns to establish the metallurgical performance of a piece of equipment, or flotation bank. The **thief sampler** is a poppet sampler that can be retracted from a process line without having to shut down that line. This allows for maintenance of the sampler outside of shutdown periods. These are our most common slurry samplers. Typically these samplers are used for control purposes and calibration of densitometers. The **coarse poppet sampler** is designed to sample process lines with larger solids particles present. It is designed to sample slurry from a cyclone feed stream, where it is common to find this size of particle and larger. The large particles are rejected by the design of the sampler.

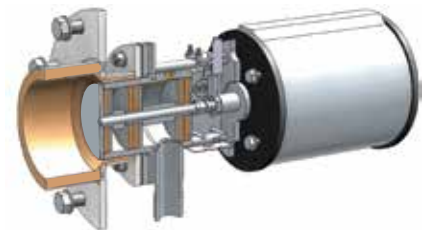
#### **Standard**



#### **Poppet Samplers Thief**



#### **Coarse**



#### **Applications**

- Grab samplers
- Sampling campaigns
- Plant commissioning
- Composite/shift sampling
- Equipment calibration
- Calibration of densitometers
- Monitoring of grind PSD
- Plant feed density

