

## Do you have these issues?

- Poor level control
- Valve operating outside of the 40-60% range
- Excessive wear
- Spillage
- Bouncing or vibration of valves
- Maintenance problems

Then eDART external valves will benefit you. The eDART dual eDart valve is optimised for fine level control of slurry typically on flotation banks. There are two plugs and seats in this valve body to improve turndown and by using an intelligent signal splitter, such as the eDART DVC, great control may be achieved.

## Features

- Body fully customised to plant layout
- front left/right; side or vertical outlet
- Cage guided plugs
- Inspection/thief sampler port
- Valve can be fully serviced in situ
- Simple maintenance: All internal wearing parts can be inspected and/or replaced without removing the valve body from the process line
- Anti Rotation device
- Stroke indication

## Standard Sizes

- 2x 80 mm to 2x 500 mm

## Material of Construction

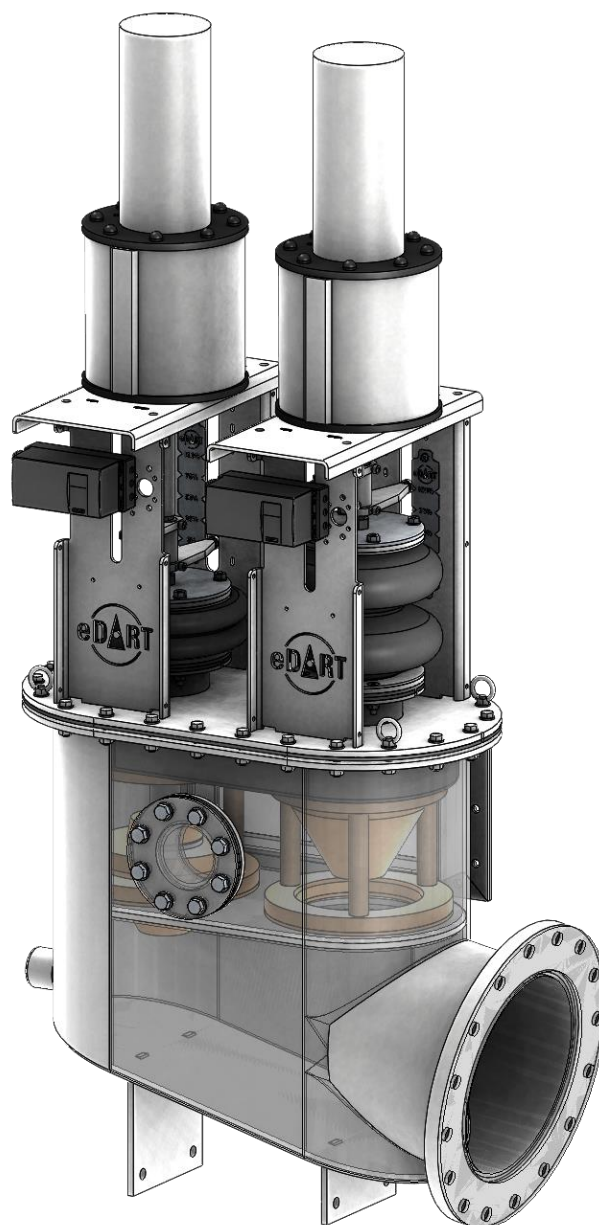
- Plug and seat – polyurethane
- Bellows seal. – non-sliding sealing arrangement
- Body – rubber lined mild steel

## Options

- eDART dual valve controller
- eDART thief sampler
- Flushing valves
- Full bore or reduced plug and seat
- Custom designs available if standard designs don't suit application
- Smart (HART, Profibus), Electro-Pneumatic (4–20mA), Pneumatic (20-100kPa) Positioner
- Bias Spring Fail Closed, Fail Fixed or Double Acting actuator options

## Applications

- Flotation machine level control
- Distribution box level control

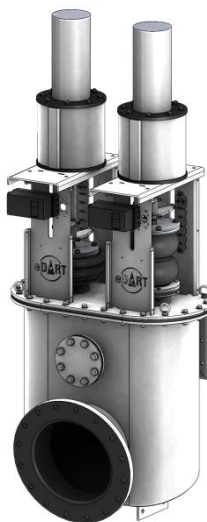


Variations

Dual Valve Configurations



Standard: Left or Right



Front



Cartridge

Outlet for the round outlets orientated at 10° downwards; the cartridge has a horizontal rectangular outlet.

Technical Data

Size	Inlet (h x w)	Outlet Diameter	Rubber ID	CV <sub>max</sub>
100	300 x 100 mm	200 NB	198 mm	375
150	340 x 140 mm	250 NB	252 mm	820
200	440 x 180 mm	350 NB	335 mm	1,680
250	520 x 220 mm	400 NB	385 mm	2,490
300	670 x 350 mm	500 NB	484 mm	3,790
350	800 x 500 mm	600 NB	586 mm	5,230
400				6,330
450	900 x 450 mm	700 NB	683 mm	7,920
500	1,000 x 550 mm	800 NB	785 mm	9,950

Benefits

Large Actuators	Engineered Feedback	Plug and Seat	Customisable
The actuators are sized to provide stiff modulating capability, sufficient stroke and good resolution to improve control and stability.	The mechanical linkages are designed to provide accurate linear response and may be replaced with an internal electrical transducer within the actuator when size demands.	The plug has a conical shape to give good flow characteristics. It is guided in a cage to provide superior stability.	The design is highly customisable to fit to the plant layout or to have multiple outlets for the bypass option.