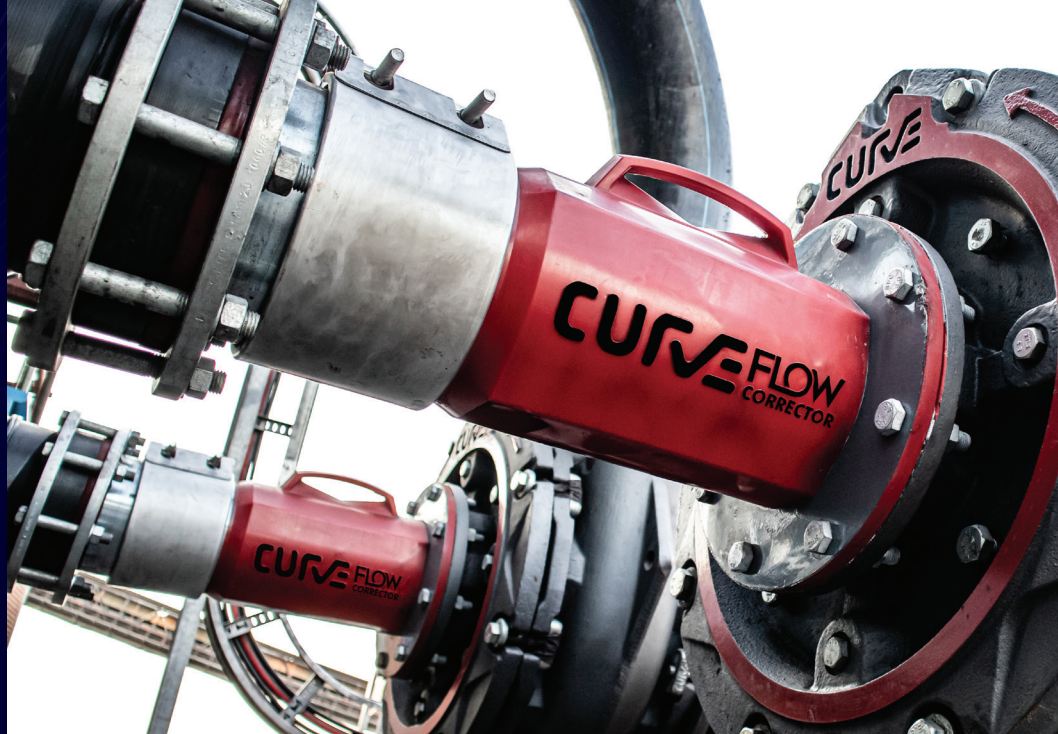


“The Curve® Flow Corrector has increased our slurry pumps component life, whilst improving site productivity through safe & easy access during maintenance.”

- Curve® Flow Corrector Client



↑ Increase Pump Life

- The Curve® Flow Corrector reduces slurry turbulence before it enters the pump, thus increasing slurry pump component life.

↑ Increase Safety

- The lightweight Curve® Flow Corrector is fitted with a Curve® Coupler & ergonomic soft grip handle.
- The Curve® Flow Corrector is easy to remove by just one person & safe to work with.

↓ Reduce Downtime

- Removing the Curve® Flow Corrector leaves plenty of space to maintain the pump, which dramatically reduces downtime.

➔ Design Considerations

- Induces no negative upstream effects.
- Can be retrofitted to your existing installation.
- No pipeline forces are translated onto the pump.
- Negligible pressure drop.
- Reduce the cavitation experienced inside a pump under certain operating conditions.

The Problems We Knew We Had To Address

Rigid suction pipelines are difficult to handle resulting in increased safety risks and unnecessary downtime. Furthermore, constrained workspaces lead to sub-optimal pipeline routing that results in an uneven, non-uniform, almost arbitrary directional velocity profile at the pump inlet that leads to increased wear on the pump.

The Impact Reducing Design Explained

The Curve® Flow Corrector is engineered to decrease Total Ownership Cost (TOC). The built-in, patented cross profile averages out the slurry velocity which dramatically decreases slurry pump wear. The patented chrome cross design is optimised to reduce the swirl and eddy of currents in the suction pipelines, reducing the large flow velocity deviations usually found upstream of the pump's inlet. It's designed to ensure pressure drops are negligible and ensures velocity is not increased due to the expanding nominal bore.

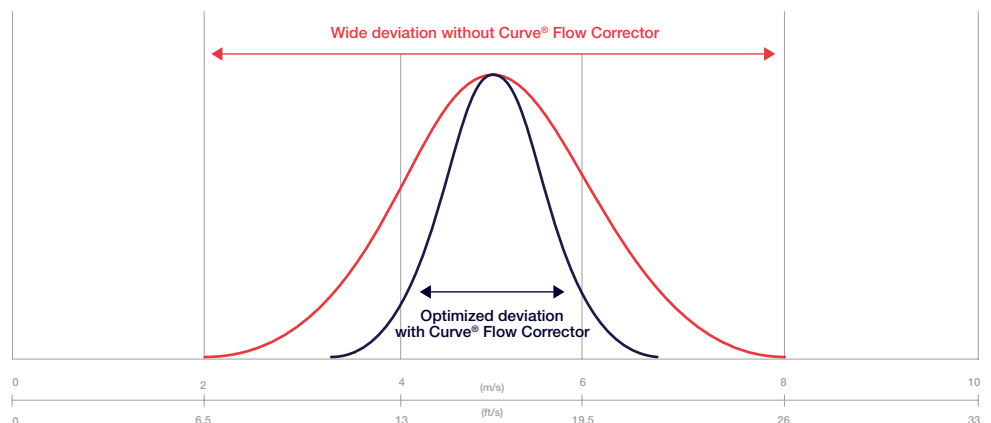
Made of strong, yet lightweight polyurethane, with a glass reinforced plastic composite frame, The Curve® Flow Corrector is easily removed by only one person, using the ergonomic, 'soft-grip' handle. The quick release Curve® Coupler leaves space for a small gap in the pipeline which is tightly sealed while it's in place ensuring there's no pipe pinching and it can be removed easily by loosening only 2 bolts. The Curve® Flow Corrector dramatically reduces overall pump system downtime, due to the space it creates in the pumping system, which allows for safe, easy access.

Video | Watch CURVE® Flow Corrector Introduction

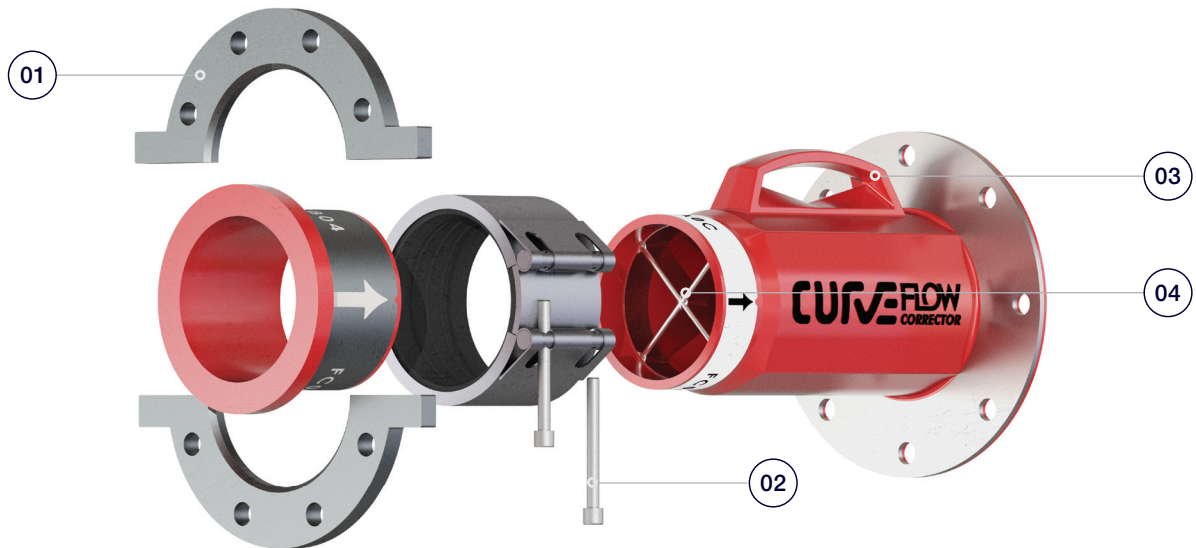
Use your phone's camera & scan the QR code to watch more about the Flow Corrector.



Visual Representation Of Optimised Velocity Profile



Exploded View & Features



Say goodbye to non-optimal pump inlet flow conditions.

01 Easy to remove inlet split flange

Interchangeability of the inlet split flange to accommodate for any flanges used on site.

03 Ergonomic soft grip handle

Designed to improve handling and transportation on site.

02 Quick release Curve® Coupler

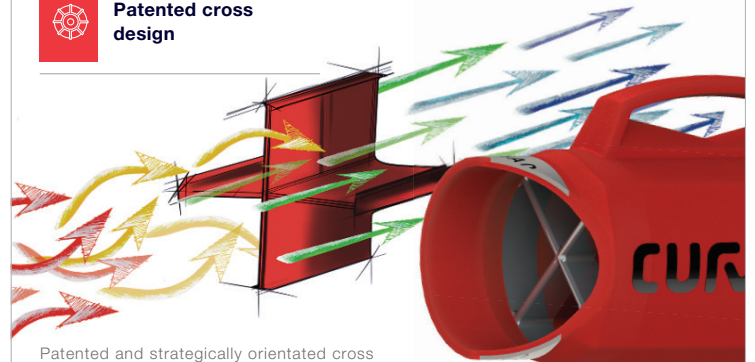
Utilise just two bolts for quick and easy removal and installation.

04 Fully profiled chrome plated cross

The chrome cross is there to protect the polyurethane cross to ensure the Curve® Flow Corrector lasts longer.



Patented cross design

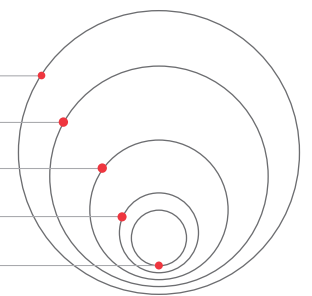
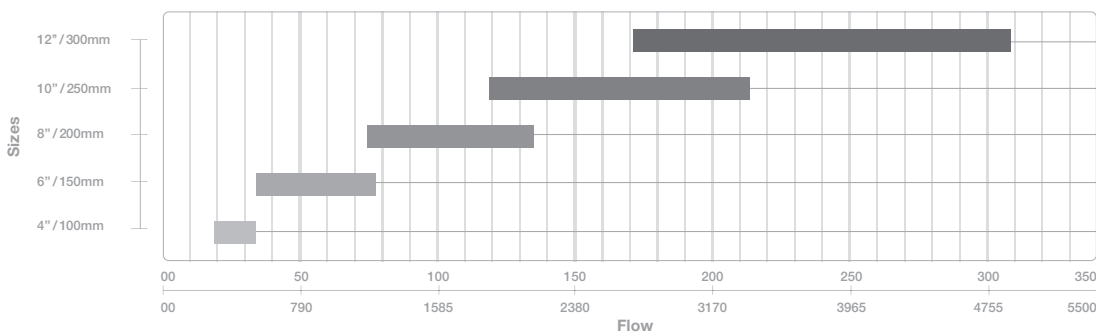


Patented and strategically orientated cross design minimizes adverse flow velocities and turbulence.

Options & Availability

The Curve® Flow Corrector is available in 5 different sizes, for both Curve® slurry pump ranges, as well as legacy slurry pumps.

The Flow Corrector Application



Flow Corrector Size Options

Speak To A Pump System Specialist

You don't need another supplier, you need an invested partner. Our business is built on the foundation of decades of earning our valued clients' and partners' trust, only made possible by consistently delivering unparalleled service excellence.

For more information visit pabtglob.com

