



**SALTIRE**

*INFRASTRUCTURE*

**INNOVATE ▸ DELIVER ▸ EXCEL**

***FLOW STOPPING***

## COMPANY OVERVIEW

Saltire Infrastructure Pty Ltd is a specialist civil contracting company focused on delivering services to Western Australia's water service industry. Our company is headed by a team of highly experienced industry personnel who hold decades of engineering, management and operations experience within the water and waste water industry. Our team possesses a strong understanding of client requirements and we focus on building long term professional relationships and exceeding expectations within safety, quality and environment.

Our clients rely on us to:



### INNOVATE

Our dedicated focus on the water services sector means we have our finger on the pulse in latest technologies and industry developments. We think outside the box to develop the best solution for each project.



### DELIVER

Our commitment to safety and professionalism, means our focus are for projects to be delivered on time, within budget, and to the highest standards of safety, quality, and environmental management.



### EXCEL

Our mission is to exceed client expectations in terms of safety, presentation, engagement, and delivery. Our performance is monitored through both formal and informal feedback as part of our continuous improvement initiatives.



## TECHNOLOGY OVERVIEW

Line Stopping allows works to be undertaken on water mains without interruption to customer supply. Deploying a stopper and bypass system, the rig set-up allows for sections of pipelines to be made dry allowing safe repair or replacement of the existing network.

*Examples of use include:*

- ▶ *Hydrant repair, or replacement;*
- ▶ *Broken valve repair, or installation of new valves;*
- ▶ *New Service Connections or New Mains Connections;*





## LINE STOPPING AND BY PASS SYSTEM

Line Stopping is a vital solution for maintenance and repair works on water mains, allowing for seamless operation without any disruption to the customer's supply.

Our expert team uses the Sarco Stopper line stopping machine, which is approved for use on Water Corporation assets and has proven its effectiveness through extensive use in the Perth Metropolitan Region and other regional locations.



### With this innovative solution, we can:

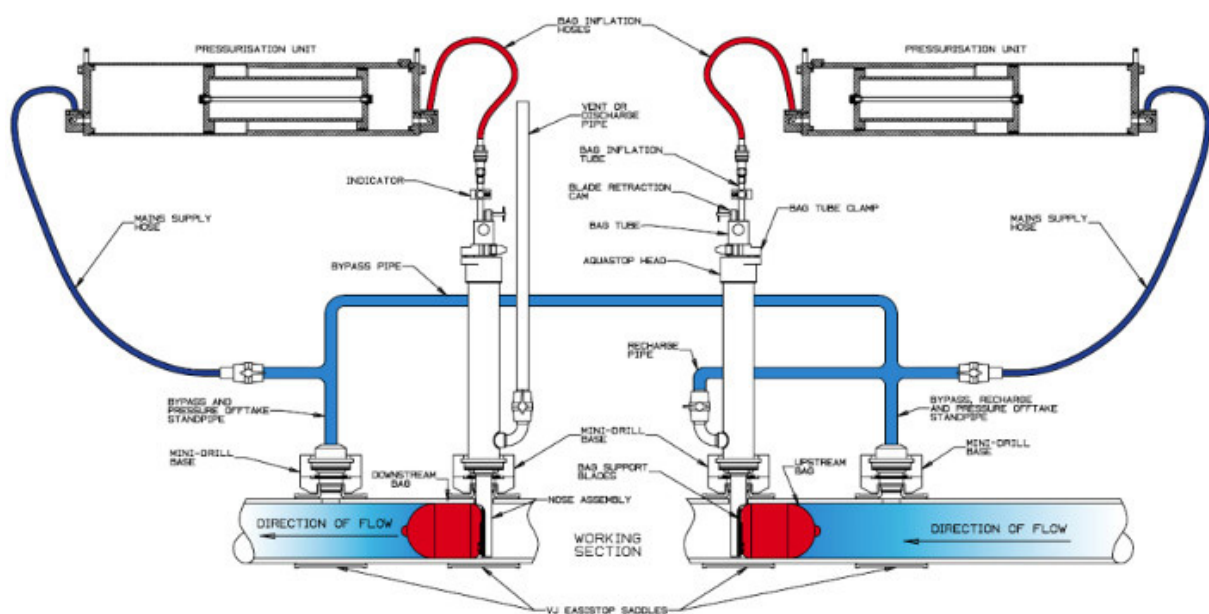
- ▶ *Eliminate the need for cut-ins, maintaining pipeline integrity and consumer supply*
- ▶ *Avoid potential backflow and contamination*
- ▶ *Ensure fire protection is never compromised*
- ▶ *Eliminate the need for draining or water loss*
- ▶ *Make immediate connections without the need for after-hours shutdowns*
- ▶ *Avoid any discolouration of water supply or the need for re-chlorination*

## KEY FEATURES

- Water Mains 3”- 8”
- Suits Cast Iron, Ductile Iron, Steel, PVC, PE, RC & Asbestos Cement
- 8 Bar Line Pressure
- 10 l/s flow rate
- Aqua Hydro® Bags are inflated using the mains pressure
- Integral By-pass system
- Lightweight equipment
- No independent power source required
- Minimises mains system chlorination
- Low consumable item costs
- Reusable Saddle Access Point

## KEY BENEFITS

- No supply interruption
- No risk of disruption
- No risk of knock on burst on recharge
- No need to use expensive stopple techniques
- No customer notification
- Easy to use - lower labour costs
- Significantly reduced excavation & reinstatement costs
- Lower risk of lane rental charges
- Quick repairs, maintenance extensions & valve removals
- No depressurising the main
- Sediment not disturbed, therefore no discolouration



## HYDRANT WIZARD SYSTEM

Using the Hydrant Wizard System, the flow of water in the Main is not affected. A simple Golf Blade Saddle is fitted to the riser between the hydrant and the main, through which a small hole is drilled under pressure.

A mini Hydro bag is inserted and inflated to create isolation. Inflation is controlled by a pressurisation unit using the mains pressure through the Sniffer facilities within the Hydro bag. When inflated, the hydrant can be replaced and then the hydro bag can be removed leaving the blade saddle as a future access point when required.



### KEY FEATURES:

- › Isolates 3" to 4" Risers and Mains
- › Only the Hydrant or main is isolated
- › Up to 8 Bar Mains Pressure
- › The flow in the Main is not interrupted
- › Hydro bag inflated by mains pressure
- › Compact & light weight
- › Low Cost Consumables
- › Reusable Blade Saddle access
- › No independent power source required

### KEY BENEFITS:

- › Isolates leaking Fire Hydrants
- › No customer notification
- › Easy to use - lower labour costs
- › Reduced excavation & reinstatement costs
- › Lower risk of lane rental charges
- › Quick repairs & valve removals
- › No depressurising the main
- › Sediment not disturbed
- › No discolouration
- › No supply interruption
- › No risk of knock on burst on recharge



Saltire Infrastructure's technologies focus on water network continuity. Our equipment such as our S-Gate valve system, Live Pipeline Inspection, hot-tapping and line-stopping technology allows us to by-pass the existing network to facilitate repairs and maintenance without disruption.



### HOT TAPPING

*Saltire Infrastructure utilises high-pressure rated Hot Tapping (or under pressure tapping) equipment for the fast and safe installation of new branch connections and bypass mains, with the current capability to install DN25-DN400 offtakes.*



### LIVE PIPELINE INSPECTION

*Our compact and mobile System is fitted into a van for easy access to pipelines. Its compact sensor design allows for efficient navigation through multiple bends in the pipeline. The technology also assists in commissioning works, surveying internal pipelines and identifying failure locations.*



### S-GATE VALVE

*S-gate Valve System is a WSAA approved live insertion valve system, designed to be used on live under pressure pipelines, providing mechanical isolation on the network to operators' requirements and a future asset on the pipeline network to be used time and time again.*

Speak to one of our team members about how we can solve your problems today.

