

Complete Mains Cleaning Air Scouring & Mains Cleaning



Use of Air Scouring

Water Companies around the World continually contend with water quality problems caused by the build up of sediment and slime in pipelines that carry water from unfiltered sources to consumers. Where water supplies originate from unfiltered sources there will be many tonnes of sediment, slime and consequently bacterial growth deposited in the water mains every year. It is this build up which leads to customer complaints relating to dirty and bad tasting water and decreases the hydraulic efficiency of the water system.

First developed by the Water Research Centre in England, air scouring has since been refined and modified to suit local needs and conditions. Over 15 years of Australian development and testing have proven Air Scouring to be the most effective and efficient cleaning method for the removal of sediment, slime and bacterial deposits from the water supply pipe systems.

Air Scouring can be used on all types of mains up to and including 300mm. It also provides fast and efficient cleaning of industrial water supply systems.

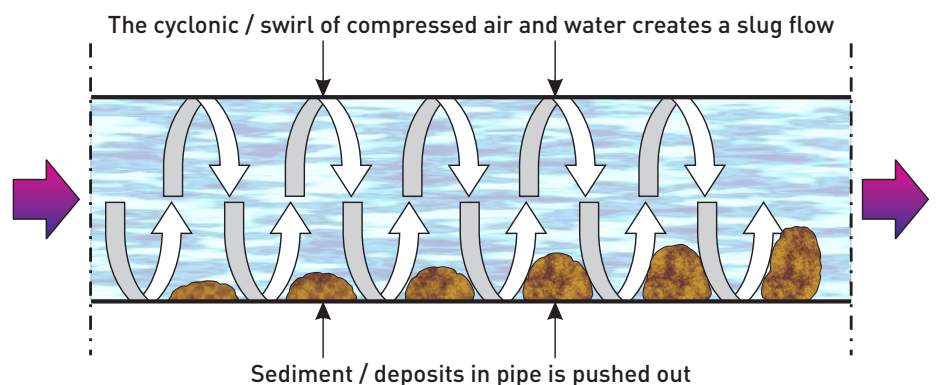
Complete Mains Cleaning Staff

The staff engaged to carry out work are fully trained in the air scouring process, mains flushing, swabbing mains, chlorination and the operation of water supply systems. They have many years experience in the Water industry, have pioneered Air Scouring operations and worked for the major Water Corporations.

To discuss your water quality problems or if you require a quote on air scouring, flushing, swabbing or chlorination please ring:

Cleaning Mains With Air Scouring Means:

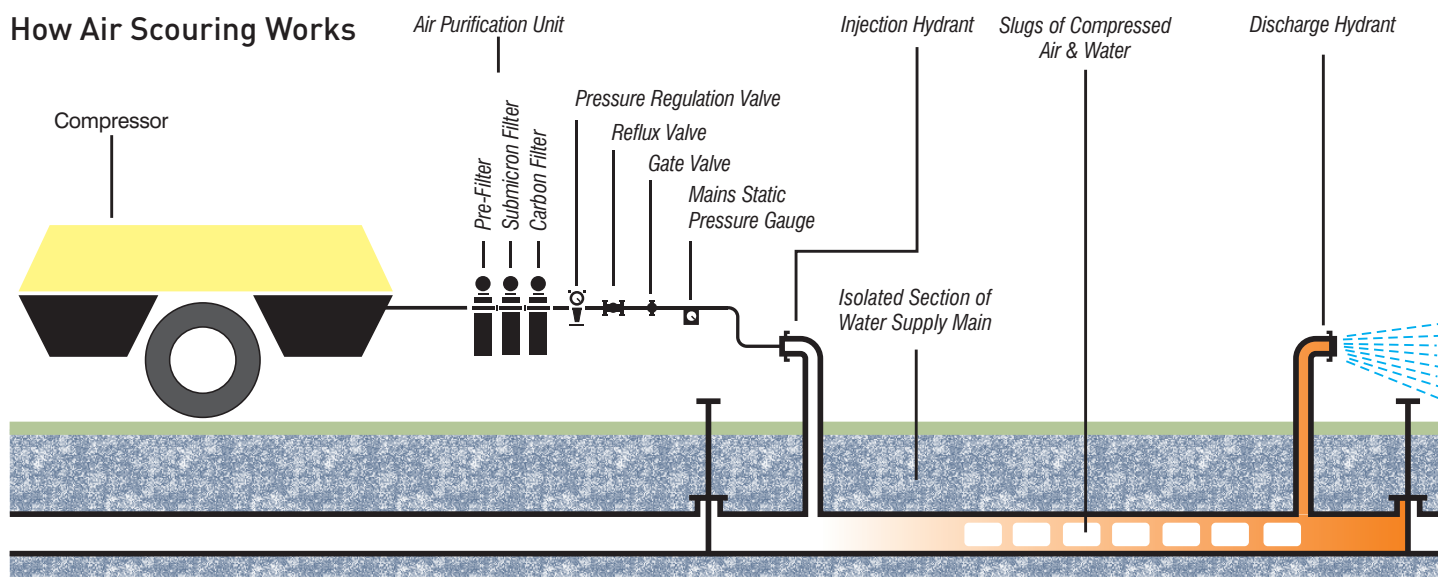
- Water of a high standard.
- Reduction in the number of customer complaints.
- Reduced water supply treatment costs.
- Improved compliance with Micro Biological Guide Lines.
- Reduction in routine maintenance costs.
- Increased hydraulic efficiency of the system.



Air Scouring Versus Other Cleaning Methods.

- Disinfecting:** To date mains water has been regularly disinfected, however, the large amounts of nutrients and sediment that remains in the water mains encourages bacterial growth.
- Flushing:** Flushing mains in low pressure areas is quite inefficient as the main's pressure has insufficient force to discharge all the deposits. Consequently, flushing offers only a short term and often costly solution and in most situations will not remove all of the deposits. It also wastes large volumes of water.
- Swabbing:** Swabbing in the older deteriorating pipe systems will often result in torn, lost or jammed swabs and in some cases the cement lining will be torn from the pipes. Swabbing can also be slower and more costly if applied to large areas.
- Air Scouring:**
- Offers superior performance by removing all sediment and most bacteriological slimes.
 - A marked improvement in water quality and therefore customer services.
 - Safe and easy to set up.
 - Cost efficient as up to 4km of water mains can be cleaned in one day.
 - Uses 60% less water than other methods.
 - Simple, safe and no additional fittings are required.
 - Adjacent areas are not affected.
 - A whole day's work can be performed from one set up point.
 - A reduction in treatment costs.
 - Long term savings in the maintenance of the water supply system.
 - Compliance with the Micro Biological Guide Lines as set down by the National Health and Medical Research Council.

How Air Scouring Works



Air Scouring involves the injection of filtered compressed air from a mobile air compressor and filtration unit. The compressor increases the velocity of water substantially and dynamically creates a series of water slugs. These slugs scour away silt and sediment and expel waste water through an existing surface hydrant or fire plug. This slug flow is maintained until the water runs clean. The entire process can take up to 20-25 minutes depending on the length and condition of the water main while using only a minimal amount of water.

Complete Mains Cleaning can help your Authority with:

- Consultation and advise your Authority or Water Board about Air Scouring
- Uses the latest information and equipment
- Plan mains cleaning programs.
- Supervise mains cleaning.
- Provide Air Scouring/swabbing services.
- Provide advice on general water quality issues.



Typical Air Scouring Filter and Cooling Equipment

Complete Mains Cleaning

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CMC

COMPLETE MAINS CLEANING
MAINS CLEANING PROFESSIONALS