

Pressure Works
WATER JET AND VACUUM SERVICES

CAPABILITY STATEMENT



ABOUT US

Pressure Works Pty Ltd are a premium Non-Destructive Digging and Drain Cleaning Specialist located in Victoria.

Having begun trading in 1998, Pressure Works have the advantage of over 20 years of experience in areas such as Building, Civil, Rail and Road construction, Gas, Power and Telecommunications Infrastructure.

Our aims are to satisfy our clients by utilising the traits that embody our company culture:

- Work Ethic
- Quality
- Efficiency
- Productivity

The services we offer are delivered to the high level of quality in which Pressure Works prides itself on. This is why we have chosen to invest in only the premium level of vacuum truck equipment on the market in order to provide the most efficient and competitive digging and vacuum capability to our clients.

“Our focus is the quality, efficiency and productivity of our service and ensuring our client gets best value from our service. Our goal is to get you to the finish line.”

Nick Allin - Director

OUR VALUES

CULTURE

At Pressure Works we believe that company culture has a huge impact on delivery of our work. Our company culture is based around a strong work ethic from the top level down. Starting with management, we believe that a strong work ethic leads to a higher quality of work, which is something we pride ourselves on.

We employ a team of enthusiastic staff who love their jobs.

Our Crew are loyal, dedicated and committed to the success of the client. This attitude towards their work leads to our staff completing any project with a high level of efficiency and productivity in order to satisfy our client's needs.

All of our employees are quality operators who care about what the customer is aiming to achieve.

ENVIRONMENT

Our "recover, recycle and reuse" approach ensures a total environmentally friendly and highly responsive service catering for our clients' needs. We have experienced well trained personnel and are continually striving to better improve our systems, procedures and processes to ensure a safe and operationally efficient environment.

HEALTH AND SAFETY

At Pressure Works, safe execution of all activities is a paramount to us. We believe that every person should go home safe at the end of the day and no one gets hurt. We set minimum standards in regards to safety for our employees and anyone work with us. Our safety measures are continually revised to ensure they meet the requirements and standards of every project Pressure Works are on.

Pressure Works pride themselves on their commitment to compliance with the Heavy Vehicle National Law, the Chain of Responsibility and load management. Our trucks are managed by experienced staff and their competencies include – Accredited training provided by EPA Victoria, Victorian Transport Association, Victorian Waste Management Association, APA Gas, Metro Trains, ARTC and V/line. Pressure Works is committed to quality, safety and the environment, as well as delivery of each project in a timely and professional manner.

CORE CAPABILITIES

NON-DESTRUCTIVE DIGGING (NDD)

Non-Destructive Digging [NDD] is the process of safely excavating the ground surface without the risk of damage to buried services. NDD employs the use of high-pressure water to safely excavate the ground, and vacuum to recover and hold the material. As a result, this NDD process reduces or eliminates the risk of damages to underground services.

We offer:

- Service Proving
- Trenching
- Tree Root Exploration
- Excavation for Service Repair
- Pile and Post Hole Excavation
- Excavation for Sewer, Boundary Trap Repair
- Excavation for Gas, Water, Telecommunications, Power



WET/DRY VACUUM LOADING

Pressure Works' vacuum loading services are employed when access is limited, to contain spills, when product or waste is stored in tanks or pits, during plant maintenance, or flooding, and pit cleaning.

Pressure Works' vacuum trucks are an excellent solution to the recovery and removal of heavy product, wet or dry including:

- Drill Slurry
- NDD or Hydro Mud,
- Marble and Concrete Slurry
- Brick Dust
- Bore/Pier/Pile Hole Cleaning
- Waste, Pit, and Storm water
- GPT and Car Wash Pit Cleaning
- All vacuum loaders are EPA licensed

HIGH PRESSURE CLEANING

High Pressure Cleaning is one of the best ways to remain environmentally friendly, while acquiring the spotless and impeccable clean that you need.

Services include:

- Surface Preparation [Pools and Floors]
- Factory Floors
- Tank Cleaning[Later, Adhesive, Ink, Render]
- Pipe Cleaning, Heat Exchange
- Concrete Cleaning

LIQUID WASTE COLLECTION & DISPOSAL

Pressure Works' state of the art EPA licensed vacuum trucks are the ideal solution for liquid waste removal and disposal. Our Trucks are fitted with 8000 psi high pressure blasting pumps and our high powered vacuums are more than capable of pumping out any waste. We collect and dispose of your waste in an environmentally friendly way.

Materials including:

- Marble Bench Polishing
- Construction Groundwater
- Drill Slurry Disposal
- Concrete Plant Slurry
- Lime Slurry
- Glass and Metal Cutting Plant Waste [Garnet]
- Carbon - Melbourne Water
- Ink - Tanks - Visy, Amcor
- Carpet Glue - Tanks - Latex

DRAIN & PIT CLEANING

Pressure Works offers state of the art combination drain cleaning trucks and accessories for all drain and pipeline maintenance. Our trucks are capable of high pressure water jetting, vacuum recovery of debris, and disposal of all wastes in accordance with EPA regulation. Each truck is fitted out with all root cutting equipment, a range of jetting nozzles and bombs to remove all debris, silts, roots, and other deposits from your pipes and pits.

Drain & Pit Cleaning Applications include:

- High Velocity water jetting to remove silt, roots, debris and fats
- Root cutting pipelines up to 450mm
- Vacuum Loading of debris and waste disposal
- Blockage Clearing
- Stormwater pit and pipe cleaning
- Gross Pollution Trap Cleaning [GPT]



DRILL SLURRY REMOVAL

Drilling slurry [or drilling mud] can vary from dirty water to a thick soupy suspension of clay, mud, and water. It consists of a mixture of substances that are created during mining and drilling. The increased prevalence of sump-less drilling has necessitated a means for collection and remote disposal of drilling mud and other spoil. We remove and dispose of all drilling slurry safely and effectively.



PLANT MAINTENANCE

Pressure Works cater to the maintenance and upkeep of industrial Plants.

Service offered to Concrete Plants, Food Processing Plants and all Waste Plants for safe and effective removal of waste and other by products as well as high pressure cleaning of all equipment and surfaces.



EQUIPMENT

Pressure Works has chosen to invest in only the premium level of vacuum truck equipment on the market in order to provide the most efficient and competitive digging and vacuum capability to its clients.

All of our trucks are 100% Australia made and are top of the range pieces of equipment which gives us the capacity to our job more efficiently than our competitors and with a higher level of productivity.

We believe that with our quality trucks, combined with our quality operators, we can achieve an unparalleled level of productivity resulting in a reduced cost to our clients.

SPOUTVAC 3700 NDD

Our SV3700 brings you one of the best payloads in Australia on a 6x4 cab chassis. With a 3700 cubic meter per hour [2225cfm] Hibon Blower providing ideal performance for Hydro Excavation this is one of the most fuel efficient Industrial Services Vacuum Truck currently on the market. With a short 3,900mm [European] wheel base and payload capable of over 7 tonne in any state in Australia this is the Hydro Excavator to get the job done.



TANK	
Material	5mm AISI 304 Stainless Steel
Debris	6,800 Litres
Water	2,900 Litres, fitted with AS/NZ -3500.1 for hydrant use
Chassis	
Model	Volvo FM 410hp 6x4 Euro 5, I-Shift transmission, Air Bag suspension
Payload	7,200kg / 7,600 kg with 23,000kg / 23,500kg
Towing	26,000kg rated towbar
Vacuum System	
Pump	Hibon VTB 822.XL Blower with matching Silencing pack
Capacity	3700 m³/h / 2,225 cfm, 80% Vacuum
Filtration	Stainless Steel Cyclone filter and secondary Jurop cage
Optional Cassette	150mm [6"] Hydraulically operated suction cassette system with extendable boom arm all controlled by the radio remote
Hydro Pump	
Pump	Hydraulic driven, variable speed triplex high pressure pump
Capacity	Class "A" 20 lpm [5.3 Gallons] at 275 Bar [4,000 psi]
Optional Capacity	Class "B" 32 lpm [8.4 Gallons] at 275 Bar [4,000 psi]
Accessories	
Remote Control	16 function remote control with extra battery and in cab charger
Tool boxes & Storage	Two tool boxes and trays mounted on each side of the unit
Ladder	One Ladder mounted to the right hand front of the Debris tank
Lighting	Two rotating beacons and three LED work lights

SPOUTVAC 3750 NDD

The Vacuum system on the SV3750 8 x 4 Cassette runs at 3,000 m³/hr [1,800 cfm] with liquid ring with a 6" hose while the Jetting system runs at 269lt/min @ 2,200 psi with pump and 1" hose. It features stainless steel Debris [8,000 litre] and Water [5,500 litre] Tanks with patented water 'bubbler' filter system with cyclone separator. It boasts remote electronic controls providing independent and variable control of each of the three systems. With a lower overall height the overhead cassette has 20 metres x 6" vacuum hose and the long reach 'simultaneous' boom raises to 5.2m and 180° rotation.



TANK	
Material	5mm AISI 304 Stainless Steel
Volume	13,800 Litres [total]
Debris	8,000 Litres
Water	5,500 Litres
Chassis	
Model	Volvo FM 410 8x4 Euro, I-Shift transmission, rear air suspension
Payload	5,800kg / 6,300kg with 27,500kg / 28,000kg
Towing	26,000kg rated towbar
Vacuum System	
Pump	N2BE 3000 liquid ring vacuum pump, 3,000m ³ /h / 1,800 cfm, 90% Vacuum
Filtration	Bubbler air filtration system with cyclone separation
Optional Cassette	150mm [6"] Hydraulically operated suction cassette system with extendable boom arm all controlled by the radio remote
Jetting Pump	Pratissoli MW45 triplex pump, 269 l/min / 70 gpm at 150 bar / 2,200 psi
Hydro Pump	
Pump	Hydraulic driven, variable speed triplex high pressure pump
Capacity	Class "A" 20 lpm [5.3 Gallons] at 275 Bar [4,000 psi]
Optional Capacity	Class "B" 32 lpm [8.4 Gallons] at 275 Bar [4,000 psi]
Accessories	
Remote Control	23 function remote control with extra battery and in cab charger
Tool boxes	Two tool boxes mounted on each side of the unit
Ladder	One ladder mounted on the right hand side of the tank
Lighting	Two rotating beacons and three LED work lights

SPOUTVAC SV4000 NDD

The Newest Model Spoutvac with 4,000 m³/hr [2350cfm] Liquid ring vacuum and over 8,000kg Payload.

The SV4000 features a 8,000 litre full Stainless Steel debris tank and wrap around Stainless Steel water tank holding 4,000 litres. A 45 degree Hydraulic tipping body ensures the most stubborn product can be unloaded with ease.

The SV4000 comes with a fully hydraulic 6" [152mm] boom that can be operated via the radio remote or via the CanBus screen at the rear of the vehicle. The CVS 4000 Liquid ring vacuum pump reduces 4,000 m³/h or 2350cfm of airflow which can handle deep lift Gross pollutant traps with ease and have air flow to spare around hydro excavation sites. This Unit is in a class all of its own, integrating the CVS Vacuum pump into the truck has give it the advantage of being a unit capable of achieving a greater than 8,000kg Payload in all states of Australia on this model.



TANK	
Material	5mm AISI 304 Stainless Steel
Debris	10,000 Litres
Water	3,700 Litres [combined Seal and Jetter]
Chassis	
Model	Volvo FM 410hp 8x4 Euro 5, I-Shift transmission, rear air suspension
Payload	10,700 kg / 11,200 kg with 27,500kg / 28,00kg
Towing	26,000kg rated tow bar [coupling not included]
Vacuum System	
Pump	CVS 4000 liquid ring vacuum pump, 4,000 m ³ /h / 2,350 cfm, 90% Vacuum
Filtration	Bubbler air filtration system with cyclone separation
Boom	150mm [6"] hydraulically operated overhead boom with extendable boom arm
Optional Cassette	150mm [6"] Hydraulically operated suction cassette system with extendable boom arm all controlled by the radio remote
Hydro Pump	
Pump	Hydraulically driven, variable speed high pressure triplex pump
Capacity	Class "A" 20 lpm [5.3 Gallons] at 275 Bar [4,000 psi]
Optional Capacity	Class "B" 32 lpm [8.4 Gallons] at 275 Bar [4,000 psi]
Accessories	
Remote Control	15 function remote control with extra battery and in cab charger
Suction pipe rack	Sliding suction pipe rack mounted on side of the unit
Wash Down	Hydraulic driven centrifugal pump with reel for tank and area wash down
Lighting	Two rotating beacons and three LED work lights

MAJOR PROJECTS

APA WORKS

Contractors:

- APA [internal Crews]
- Comdain Infrastructure
- Danfour Group
- Diona

Contract: 2014-2020

LCRP- BENTLEIGH/ ORMOND/ MCKINNON

Contractors:

- John Holland Group

Contract: 2016

LCRP - CAULFIELD TO DANDENONG

Contractors:

- CPB/ LendLease

Contract: 2016-2020
[still active]

MERENDA RAIL EXTENSION PROJECT

Contractors:

- John Holland Group

Contract: 2017-2018

METRO TUNNEL - RIA EARLY WORKS

Contractors:

- John Holland Pty Ltd

Contract: 2019

YARRA VALLEY WATER - DOREEN TO DIAMOND CREEK SEWER PROJECT

Contractors:

- AHD Trenchless/ MFJ
Constructions

Contract: 2020

MAJOR CLIENTS





Pressure Works

WATER JET AND VACUUM SERVICES

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