

## Ausjet Newsletter June 2018

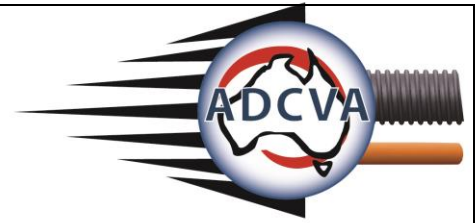
### AUSJET BOARD of MANAGEMENT 2017-2018

<u>NAME</u>	<u>POSITION</u>	<u>PHONE NUMBER</u>
Roger Schmakeit - Cleanaway	Chair/Director	0419 402 845
Peter Jones - Solo	Director	0455 851 411
Will Lee - AWTS	Director	0419 000 061
Milo Gajin - Spitwater	Director	0402 052 990
Paul Cavicchiolo- Ryco	Director	0415 855 956
Rod Purtill - SpoutVac	Director	0447 711 646
GLENN LOCKHART - Ausjet	Treasurer	0438 099 435
HEATHER LEE - Ausjet	Secretary	0430 391 166

#### **AUSJET Survey**

*If you have not done the member survey, please click the link below and fill it in.*

<http://www.ausjetinc.com.au/survey/>



## AGM August

Although it sounds like a long way away August will come up on us very quickly. Prior to the AGM which will be held in NSW we will be calling for nominations for the Board of Management. I would ask you all to consider if nominating for a position as it is important to have renewal on the Board of Management to bring in fresh ideas and energy to ensure we keep moving the Association forward. **The board will meet at Longwall in Unanderra at 10:30am with the general meeting to follow at Murphy's Bar & Grill in Unanderra from 1:30pm.** Thank you for your ongoing support and stay safe out there

## Incident Alerts.

You can find all the safety/incident alerts on our web site.

[www.ausjetinc.com.au](http://www.ausjetinc.com.au) under the safety/training.

The following Incident Alerts have been issued since the last Newsletter:

Incident 87      Lost time incident.

Incident 89      Potential only

## **New: enz® cutting ball CB90 with carbide coating**

the enz® cutting ball family is now even more versatile. The new ball features a carbide coating which was specially developed for extremely hard lime and concrete.

Our cutting ball works without impact, but has the ability to switch into vibration. The carbide coating is particularly well-suited if the pipes are filled up to 50% with the hardest incrustations. The asymmetrical contour ensures that the lateral cutting elements are always in use and working.

These elements are self-sharpening and maintain their sharpness over their entire service life. An additional advantage of the cutting ball is that it can be guided well through the pipe thanks to its large surface, and therefore causes little damage. In addition, it has a controlled braking system and is very capable of going through bends (100 mm pipe, multiple 90 degree bends). And it shouldn't be forgotten that our cutting geometry also crushes bigger parts debris pieces when the cutting ball is pulled back, which prevents it from getting stuck. This cutting ball is also leak-free and runs with recycled water. Special care only needs to be taken when dealing with PVC pipes.

inserts are cleaned after each use and that the pressure is only ramped up when there is an obstacle/at the location of the problem (first 50–70 bar, then 100–120 bar).



425.090 Without thrust



425.090AS with thrust



[14.300](#)

### Maintenance/repairing the impact milling

#### cutter

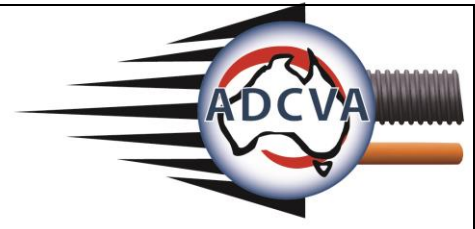
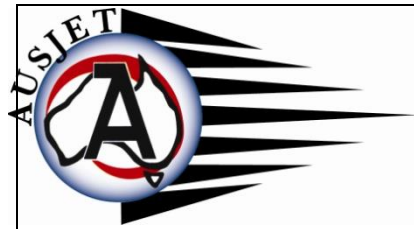
Due to the strong vibrations on the cutter head, we recommend that the mounting screws of the cutting teeth/cage be tightened at two-hour intervals in order to prevent damage. An insufficiently secured head can become loose in the pipe due to strong vibrations.

#### After use:

After use, rinse the impact milling cutter with fresh water. Spray the entire impact milling cutter with oil spray – bio ([C191](#)). Then, turn the cutting head a few times by hand and check the hard metal teeth (or diamond teeth) for signs of wear. If necessary, replace the hard metal teeth (or diamond teeth). Finally, tighten all screws on the skirts.

#### The impact disks

Use extreme caution when working inside a slightly damaged pipe (clay pipe). Washing out the cracks can cause pipe fragments to break off. The area around the pipe can be compromised as a result. Therefore, use a used pair of cam disks (impact disks) or remove the impact entirely. This will give you a gentler impact. The cam disks (impact disks) must be replaced periodically – approx. every 30 hours. The degree of wear and



tear may differ and depends on how much the impact drilling cutter is stressed.

### **Cutting ball CB90 success story.**

One of our customers in Switzerland used our cutting ball CB90 to clean a concrete pump line with a diameter of 110 mm.



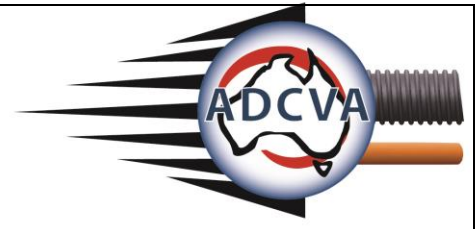
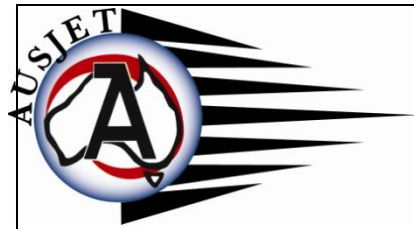
The pipe was clogged with solid concrete. To ensure clean and efficient cleaning, our customer decided to use our [cutting ball CB90](#) without a front cutter. Cutting labour in the pipe, which was approximately 30 meters long, lasted four to five hours. The pipe was cleaned completely without damaging it.

## **AUSSIE SPINNER A WINNER!**

A proactive Castle Hill based pressure cleaner manufacturer, Australian Pump Industries has come out with a flat surface cleaning device that will save cleaning contractor's hours!

**Called the 'Spinner Junior', the flat surface cleaner has a 15" diameter cleaning head that spins under pressure. Claimed to be ideal for pavements, tiles, driveways or workshops, the Aussie Spinner can cut cleaning times by 75%. That's an amazing saving in water, fuel or electricity, depending on the type of pressure cleaner and of course labours hours!**

Aussie Pumps claim that the 15" spinner is ideal for coupling with their AB30 'Pocket Rocket'. The AB30 machine is changing the way contractors, farmers and even tradies think about portable engine drive pressure cleaners.



"The machine packs more punch yet uses substantially less horsepower than other 3,000 psi machines on the market", said Aussie Pumps' Product Manager, Mal Patel. The new Scud 30 is built tough for Australian users in a compact designed frame trolley with four big 10" flat free tyres.

The machine is available in a number of configurations, one of which includes an integrated hose reel with 15 metres of high pressure hose. The machine's accessories are all top quality and designed for industrial applications.

"No plastic hoses or cheap guns and lances like the big box stores offer", said Patel. "The AB30 comes with a heavy duty wire braid hose and a 3,000 psi gun and Vario zoom lance as standard equipment", he said. The Vario is a unique product that allows the operator to change from high pressure to low pressure or 0 degrees to 40 degrees spray angle, by the twist of a wrist.

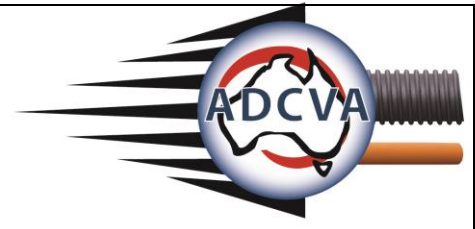
The Spinner is a real success story when coupled with this machine cutting cleaning times dramatically. "We think that even hire companies like Kennards will be interested in a product like this", said Patel.

The company claims it's has real application is homeowners with large concrete surfaces, factories or for property maintenance contractors working in strata developments or aged care facilities.

Further information on the Aussie Pocket Rocket and accessories is available from [www.aussiepumps.com.au](http://www.aussiepumps.com.au) or distributors throughout Australia.

Faster, smarter, safer cleaning using  
the Aussie 'Pocket Rocket' and its  
accessories.





## Standards Report 2018

The proposal for minor changes to AS/NZS 4233 1&2 has now been completed and sent through Standards Australia.

As you were made aware Standards Australia would only accept minor changes. The minor changes were proposed from information received from information received from Ausjet members.

Below are what Ausjet proposed, please note that Standards Australia will have the final say on what will change. The proposal will have to be challenged by their legal, commercial and technical teams to identify any issues that may arise for the proposed changes.

### **AS/NZS 4233: 2013 Part 2**

#### **1.5.14 Regulator Valve.**

##### **Remove**

Unlike the automatic unloader valve it does not reduce the pump operating pressure at any time.

#### **4.1.1 Hose**

##### **Remove**

All high pressure hose used with Class A water jetting systems shall conform to the requirements of ISO 1436.

##### **Insert**

All high pressure hose used with Class A water jetting systems shall conform to the requirements of ISO 1436 & ISO 3862 prior to being assembled and have a minimum burst pressure of 4 times the maximum allowable working pressure.

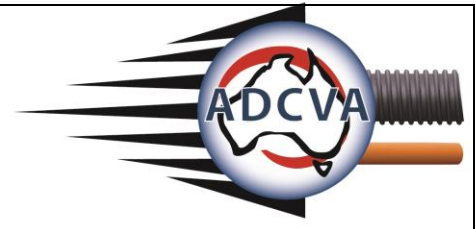
#### **4.1.3 Hose testing**

##### **Remove**

Hose used with Class A water jetting systems shall be batch tested in accordance with ISO 1402 Section 8.1. Hose assemblies used with Class A water jetting systems shall be tested in accordance with AS 3791

##### **Insert**

Hose used with Class A water jetting systems shall be batch tested in accordance with ISO 1402 Section 8.1. Hose assemblies used with Class A water jetting systems shall be tested in accordance with ISO 1436 & ISO 3862.



#### **4.2.1.1 General**

##### **Remove**

(c) Conform with the testing requirements for ISO 1402 prior to being assembled.

##### **Insert**

(c) Conform with the testing requirements for ISO 1402 & ISO 3862 prior to being assembled.

### **5.2 HIGH PRESSURE WATER JETTING COMPONENTS**

##### **Remove**

For Class A systems the burst pressure shall be a minimum of 4 times the maximum allowable working pressure.

For Class B systems the burst pressure shall be a minimum of 2.5 times the maximum allowable working pressure.

##### **Insert**

For high pressure water jetting systems the burst pressure shall be a minimum of 2.5 times the maximum allowable working pressure.

### **6.2 Pumps**

##### **Remove**

(c) Maximum rated volume and pressure.

##### **Insert**

(c) Maximum operating pressure (bar) and flow (litres per minute)

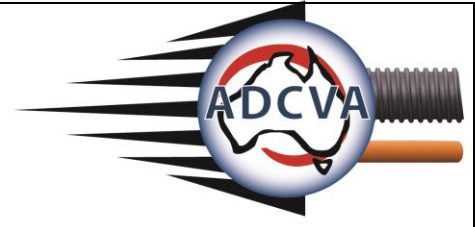
### **AS/NZS 4233: 2013 Part 1.**

#### **Insert new clause**

### **1.4 GENERAL REQUIREMENTS**

#### **Add a new clause**

(e) Within the operation of drain and sewer cleaning units where it is found that compliance to the requirements of this standard cannot be achieved other controls shall be assessed and controlled through the standard hazard identification and risk assessment process.



## 2.3 SAFEGUARDS

### **Add a new clause.**

(e) All newly assembled or repaired Class B high pressure water jetting hoses shall be tested in accordance with Appendix E of this standards and a pressure test certificate produced.

### **7.3.2 Training organisations**

#### **Remove**

Trainers shall be accredited by an RTO and shall have relevant water jetting experience.

#### **Insert**

Trainers shall be accredited by an RTO and shall have a minimum of five years relevant high pressure water jetting experience

### **Appendix B**

(e) Torsion stress

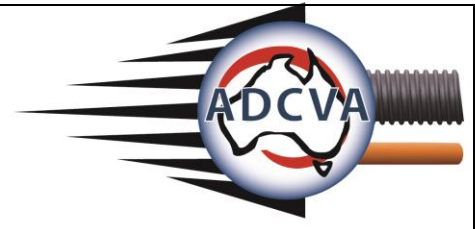
#### **Remove**

Repetitive and prolonged use of hose assemblies in rotational cleaning tasks shall be avoided.

#### **Insert**

Repetitive and prolonged use of hose assemblies in rotational cleaning tasks should be avoided.





## **Introducing QRAM - RYCO'S Asset Management system**

RYCO's new Asset Management System "QRAM" is set to change the way businesses manage hose assemblies and equipment anywhere around the world.

If your business can benefit from efficient and effective asset management, preventative maintenance, improved customer retention and aftermarket sales, RYCO's Asset Management System "QRAM" is your answer. QRAM will streamline the way you register, track, order, transfer and maintain hose assemblies and equipment.

QRAM provides 100% accuracy enabling businesses to easily view the complete Bill of Materials, Manufacturing Processes, Drawings, Photos and

Test Records of each asset fitted on registered equipment on a global platform.

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RYCO Asset Management System gives you the freedom to tailor the solution to your business needs. "We have large clients with multiple locations across an extensive list of countries, and we have small to medium businesses, working in one or two locations. Whatever your business structure, improving the way you manage the life of assets and equipment is paramount," explains Sean Babbage, General Manager of Marketing at RYCO Hydraulics.

"In addition to the way QRAM streamlines asset management, the customisable features means QRAM fits all scenarios."

QRAM is a secure cloud based system to ensure processing performance and reliability, across desktop, tablet and mobile applications – both iOS and Android.

**QRAM**

RYCO ASSET MANAGEMENT SYSTEM

**RYCO**

- Bringing Your Customer Back To You
- Innovative Hose Identification
- Asset Tracking
- 100% Accuracy
- Visibility
- Preventative and Proactive Maintenance
- Reliable and Robust
- Secure Data
- Geolocation

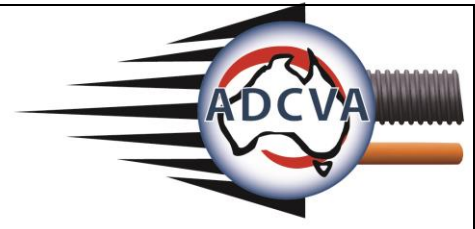


CONNECTING PARTNERSHIPS

[www.RYCO.com.au](http://www.RYCO.com.au)

### Introducing QRAM - RYCO'S Asset Management system (contd)

QRAM generates a unique serial number and QR code which is registered in QRAM. The unique asset label is then printed and placed on the asset or equipment. The information presented upon scanning the QR code is instant and 100% accurate.



Each unique QRAM serial number automates a notification of the first inspection date, making safety and preventative maintenance a priority.

“QRAM has now been tested in several locations around the world, and the results have been outstanding when it comes to asset visibility,” explains Mr Babbage. “Unscheduled downtime is reduced with QRAM because it’s a preventative maintenance system that alerts you well ahead of time when hoses or equipment need servicing or replacing,” explains Mr Babbage.

When scanning the asset QR code label, full visibility of the asset details is presented to quickly build, install or replace the asset. Scanning the equipment QR code label presents you with the complete installed asset list, service hours, past and future installations, inspections, work orders and the geolocation of the equipment.

“Each hose assembly has its unique identification code. When a hose assembly is replaced, simply scan the old out and then scan the replacement asset, and QRAM will do the rest by updating the equipment details.” explains Mr Babbage

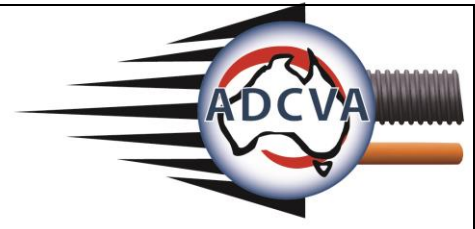
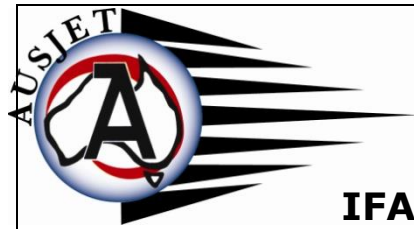
QRAM is simple to install, easy to use and saves you time and money when managing your assets. QRAM is not limited to hose assemblies either. You can use the QRAM system to register any asset or piece of equipment.

RYCO has taken everything into consideration with QRAM. Speed to market, 100% accuracy, global traceability, ease of reordering and supply, warranty management and asset transfer capabilities, makes QRAM the most comprehensive Asset Management System on the market.

To have the full visibility of assets, including location and customers ordering replacement assets with 100% accuracy at a touch of a button, is unprecedented, and something RYCO’s customers have been eager to implement.

See how RYCO’s Asset Management System works.  
[www.QRAM.RYCO.com.au](http://www.QRAM.RYCO.com.au)

For more information about RYCO and QRAM visit the RYCO website.



## **IFAT Germany 2018.**

A meeting of international industrial cleaning safety associations and asset owners at the IFAT trade fair in Munich Germany. Our representative Rodney Purtill attended this meeting.

Fundamental Principles of Safe Water Jetting Operations that need to be worked on.

### **1. Joint Responsibility**

There is a joint responsibility for setting up guidelines for working safely between Asset Owners, Manufacturers/Suppliers of Equipment, and Contractors.

### **2. Three Areas of Focus**

The guidelines are subdivided into three areas: Methods (how the work is performed), Means (proper use of equipment, tooling, and technology), and People (safety awareness and training).

### **3. Staff Education and Training**

The people who carry out the work and who supervise the work being done are educated and trained according to defined methods for working with the resources concerned. Ongoing and repeated training is required, and it requires the commitment of all three parties.

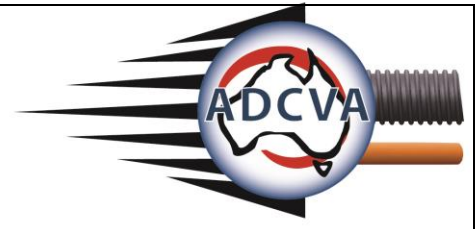
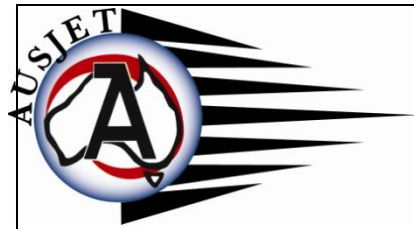
### **4. Sharing Knowledge and Continuous Learning**

New developments in safe working practice are followed and sharing knowledge is encouraged. When incidents happen, the appropriate parties are notified, they are discussed transparently, and guidelines are amended if necessary.

### **5. Working According to Safe Methods**

The activities are carried out using the safest and least physically arduous working method possible. Every method has specific tasks, responsibilities and precautionary measures. The goal is to keep everyone safe and out of the line of fire.

- Complete Work According to the Safest Method Possible (automation & semi-automation first, manual as the last option) to Minimize Line of Fire Exposure
- Avoid Use of Handheld Flex Lances Whenever Possible
- Always Wear Appropriate Personal Protective Equipment (PPE)
- Always Use a Dump Valve or Emergency Stop
- Don't Exceed Back Thrust Requirements



- Always Use Anti-Withdrawal Devices
- Shotguns Should Have a Minimum Barrel Length

## 6. Working with Safe Equipment:

Manufacturing/assembly requirements have been defined for high-pressure equipment. This includes setting reference values for (among other parameters) the pressures, lengths and reaction forces (span of control)

- Operating Pressure. The waterjet system should never be operated above the pressure rating of the lowest rated component in the system
- Maintenance and Inspection. Waterjet pumps, equipment, tools, and components should be frequently inspected, maintained and serviced.
- 
- Never Work on a Pressurized System. Depressurize the system before performing adjustments or maintenance to the pump or components
- System Setup/Components. Whip checks should be installed on all pressure connections. The wheels of the pump should be chocked. The waterjet pump should be grounded. A hose safety shroud should be applied to any high pressure hose likely to come into contact with the worker
- Hazards. Identify and communicate any hazards in the work area to both the operators and asset owner
- Lockout-Tagout. Disable any relevant moving equipment with appropriate lockout-tagout procedures
- Moving Parts. Caution should be exercised around pinch points and exposed moving parts

## 7. Assurance of the Guidelines

Activities are carried out by properly educated and trained staff:

- Supervision by skilled staff of the asset owners and the contractors.
- Approval of the equipment and certification by the safety organization-recognized inspection bodies.
- Training by the safety organization-recognized training institutes for the people (staff and supervisors)
- Independent examination and certification of the people by the safety organization.