



# SAFETY ALERT

DATE: 30<sup>th</sup> Sept 2025

SA: 0010

TITLE:

Incompatible hose and fittings

INDUSTRY SECTOR:

Not Known

TARGET AUDIENCE:

All water jetting sectors

ORIGINAL SAFETY ALERT ISSUED BY

Ausjet

## WHAT HAPPENED

1. High pressure water jetting hoses were found to have been fitted with end fittings that had incompatible pressure ratings.
2. It was identified that 1,100 bar WP three-quarter-inch hose had been combined with a different brand of hose fittings. This did not comply with the hose manufacturer's instructions.

## ACTION TAKEN

- The water jetting company that owned the equipment was advised of the issue.
- The non-conforming hose ends were removed.
- Correct hose ends were fitted.
- The hoses were pressure tested and returned to the customer.

## PREVENTATIVE ACTION

Elimination	Use only the hose fittings that are the correct pressure rating and comply with the manufacturer's instructions.
Substitution	N/A
Isolation or barriers	N/A
Engineering	N/A
Administration	Ensure high pressure water jetting hoses that are in use comply with the manufacturer's instructions and are the correct pressure ratings.
PPE	N/A



## KEY LEARNING POINTS

These learning points are drawn from WJA codes of practice, not the original Ausjet safety alert.

- Hoses that have been used must NOT be re-ended under any circumstances.
- Hoses and connectors combined to hose lines must match each other in terms of structure composition and design.
- Hoses of one manufacturer do not necessarily match connectors of another manufacturer.
- All assemblies must only be manufactured by the hose manufacturer or its authorised distributors.
- High pressure hose assemblies and fittings must always be supplied by manufacturers that operate an accredited quality system.
- Hoses that exceed 500 bar (7,250 psi) must undergo a proof pressure test carried out by the manufacturer or supplier, and a test certificate must have been issued.
- Hoses that exceed 700 bar (10,150 psi) must follow a system of annual testing.



## RELATED DOCUMENTS

Document	Topic	Sections	Page
WJA blue code of practice for safe use of high pressure and ultra-high pressure water jetting equipment	<b>Hose assemblies:</b> inspection and testing	14.0 In particular, sections 14.1, 14.2, and 14.3	28
WJA red code of practice for the safe use of water jetting equipment in drains and sewers, the use of a gun and robotics	<b>Hose assemblies:</b> inspection and testing	14.0	32
WJA purple code of practice for the safe use of hot and cold pressure washing equipment	<b>Hose assemblies:</b> inspection and testing	14.0	25