

# Innovent

## A huge leap forward in vent performance and testing

### Accessibility

- Water intake reduction
- Diesel fume reduction
- Vapour saving

The innovent is a new top to bottom redesign of tank vent protection. Utilising low access points for all the parts that require regular inspection and maintenance.

The system is completed with newly designed maintenance free Vent Caps, positioned at the top of the vent stack.

### What does InnoVent do?

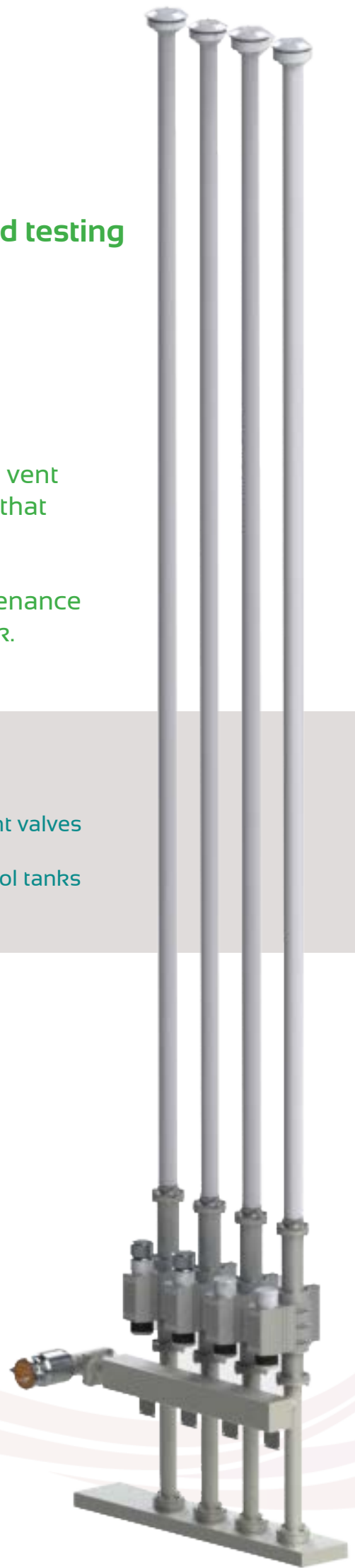
It allows ground level maintenance of all pressure vacuum vent valves  
It prevents rain water from entering the vent stack  
It prevents free circulation of damp air in diesel as well as petrol tanks  
It collects and removes any condensation in the vent stacks

### Where is the Innovation?

- Access at low level for all maintenance and testing
- No ladders, aerial platforms, gaiters or lowering of pipes
- No vapour dumping to atmosphere prior to maintenance
- During maintenance the system is fully sealed
- Takes care of Working at Height Regulations
- Labyrinth design of vent caps prevents water ingress
- Vent caps are maintenance free
- Testing of VR system possible at low level
- Effective vent pipe condensate removal system
- Low level inspection of diesel air intake filter gauzes

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## PETROL MODULES:

### MAINTENANCE FREE VENT CAP

Allows tank to breath in and out  
Prevents ingress of rain water  
Upward discharge of vapour

Includes end of line Flame Arrestor  
(Certified: ISO 16852 CML 16ATEX6163X)

CONDENSATE COLLECTOR  
with automatic drain feature

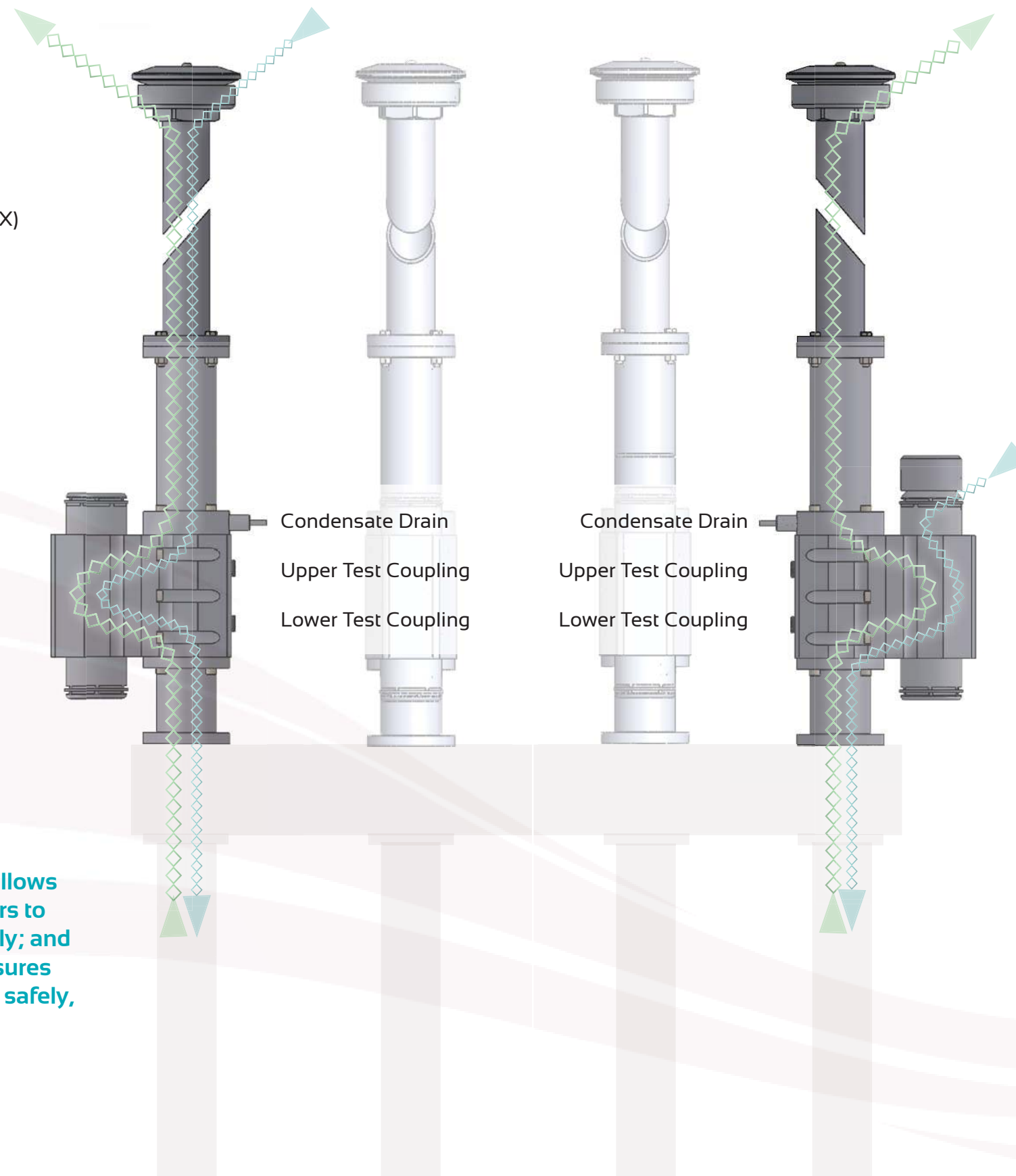
### PRESSURE VACUUM VENT VALVE

Reduces escape of petrol fumes  
Assists Stage 1b Vapour Recovery  
Reduces ingress of damp air

### SAFETY VALVE

Automatically shuts vapour path off to  
allow PVV to be removed or replaced

Testing using the InnoVent system allows maintenance engineers and operators to check if the PVV is operating correctly; and to assess the performance and pressures generated in the whole vent system, safely, during normal operation of the site.



## DIESEL MODULES:

### MAINTENANCE FREE VENT CAP

Allows tank to breath out  
Prevents ingress of rain water  
Upward discharge of vapour  
No vent gauze

CONDENSATE COLLECTOR  
with automatic drain feature

### AIR INTAKE

Allows tank to breath in  
Filter protects system from dirt  
Isolated from diesel vapour contamination

### PRESSURE VACUUM VENT VALVE

Reduces escape of diesel fumes  
Reduces ingress of damp air

### SAFETY VALVE

Automatically shuts vapour path off to  
allow PVV to be serviced or replaced

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## Available Modules:

- Petrol PVV Module
- Petrol Vent Cap
- Diesel PVV Module
- Diesel Vent Cap
- Vapour Recovery Adaptor Certified Flame arrestor
- Adaptors allow fitting to existing manifold systems

## Materials:

- Aluminium
- Plated mild steel
- Stainless steel fasteners
- Nebar gaskets
- Viton™ 'O' rings

Petrol Vent cap flame arrestor:  
Temperature range -20 to +60 degrees C

## Certifications Testing and Approvals:

Certified: ISO 16852 CML 16ATEX6163X

RIS-FLOW-3  
Vapour recovery adaptor for  
connection to tanker hose



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