



Petrol contains volatile organic compounds (VOC) that evaporate inside the fuel tank of a vehicle, filling the air space above liquid fuel. When drivers refill their vehicles, the incoming fuel forces this vapour out of the fuel tank through the filler neck.

In sunny, still conditions and in the presence of nitrogen oxides, vapor emissions react to form harmful ground level ozone. Over time, this ozone-heavy smog can be of harm to human and animal health, vegetation, and even buildings. Since it is airborne, ozone can cause pollution up to hundreds of kilometers downwind from its source.

This makes vapour emission everyone's problem.

Dresser Wayne Vapour Recovery Systems



Eliminate stray vapours

Vapour Recovery Systems (VRS) are designed to prevent these harmful petrol vapours from being released into the atmosphere during refueling. Instead, the vapours are channeled through the pump hose back into the petroleum storage tank. By doing so environmental pollution is reduced and it safeguards both consumers and the workers regularly engaged in refueling activities. European countries like Germany, France, Italy, Scandinavia, and now the UK, have implemented specific new regulations designed to reduce emissions in all facets of petrol distribution and storage. As part of that effort, Dresser Wayne's Stage 2 VRS can capture up to 100 percent of vapours that would otherwise escape.

Stage 2 in brief

Stage 2 VRS operations begin as a vehicle is being refueled. The vapours present in the vehicle's fuel tank are forced out of the tank by inflowing fuel and into the vapour recovery nozzle. There they are collected and channeled through the hose into the dispenser vapour piping and then back into the under ground tank via a Stage 2 vapour line. The stored vapour is then returned using the Stage I system to a special VOC containment truck at its next regularly scheduled visit.

Choose the right system for your dispenser

Dresser Wayne offers VRS for both Dresser Wayne and third-party dispensers. No matter which is right for you, our VRS is designed to:

- Be compatible with most existing fuel dispensers types.
- Requires no OEM parts for successful retrofitting but does not compromise the OEM's original certification
- Available as an automatic system or a std manual system
- More efficient calibration thanks to digital control boards
- Designed and manufactured according ATEX Directive and other applicable European directives and technical standards.

New

Dresser Wayne can also provide an optional automatic monitoring system to control flow rate and V/L ratio. If the minimum required vapour recovery percentage is not met, the dispenser will automatically generate an alert (or even shut down) until recalibrated.

Can We install a VRS on our dispenser?

Yes, Dresser Wayne has a solution compatible with your existing pump. Our VRS system has been approved under ATEX Directive and by NWML (National W&M Laboratory) and grant maximum safety once retrofitted, as it does not impact the original safety features of your pump.

How can we approach VRS topic?

Please contact our VRS UK INFOLINE – (+44) 01875 402191

Is there anybody who can provide me a Turn Key solution?

Yes, we will manage your complete turn key VR requirements.

Are there VRS Kits available for all kind and brand of dispenser?

Yes, we may provide you a kit which may be retrofitted to the majority of dispensers provided they are not too old.

MANAGING A CAMPAIGN

Dresser Wayne will offer you a Turn key solution managing and supervising:

- Local Partners for installations
- Service Companies for civil work
- Management Companies for logistics

For more information please contact:
VRS UK INFOLINE – (+44) 01875 402191
e-mail: wayne_vr_online@dresser.com



Dresser Wayne Vapor Recovery System OFFER

Vapour Recovery System (piston pump based)

Based on a Fixed Speed: vapour recovery piston pump, this system is:

- Standard
- Reliable
- Field Proven
- The Dresser Wayne choice for factory supplied Global Models today

It features VR Valves for vapour flow control, electronically driven by a digital board and is used to retrofit all Wayne models including the Global Star, OPUS, Harmony, EPT390, and 9000 series.

Vapour Recovery System (rollers pump based)

Based on a Dresser Wayne vapour recovery rollers pump, this system is:

- Flexible
- Easy to mount on any type of dispensers
- Low in energy consumption
- The Dresser Wayne choice for third party dispenser retrofitting today
- Easy to repair and very few parts required
- No need of solenoid valves
- Two standard electronic board for all type of “pulse train” based meter

It features a variable speed pump driven directly by a Digital Control Board that can be easily installed in third-party dispensers, including Gilbarco and Tokheim models.

How many suppliers do I require?

One. Dresser Wayne, UK will manage the complete VR solution for you regardless of the type of dispenser that you are retrofitting

How much will VRS solution cost me?

We will provide you with a rough estimate over the telephone for the pump installation.

However, if a Turn Key solution is required then we will require some basic information or site survey.

What Monitoring solution is best for my business - Manual or Automatic?

It depends whether you want to rely on logging the VRS performance on a weekly basis. Or if you would prefer to invest in the automatic system that will alert you automatically if there is a problem.

When can I have the VRS installed?

The installation will be agreed based on equipment availability and at a time that suits your business needs.

About Dresser Wayne

With offices on five continents, manufacturing facilities on four, and thousands of employees worldwide, Dresser Wayne has shaped the retail and fleet fueling industry ever since the company's modest beginnings in 1891. Known for combining cutting-edge technology with exceptional customer focus and win-win industry partnerships, Dresser Wayne has become the leading supplier of integrated solutions to its customers in the retail and fleet petroleum industry.

Dresser Wayne—headquartered in Austin, Texas—is largely responsible for the innovations that contribute to the look and functionality of the modern service station. From dispensers and POS systems to retail intelligence and after-sale support services, Dresser Wayne is committed to continuing its long tradition of providing innovative, customer-centric solutions in all facets of the industry. Dresser Wayne is a business unit of Dresser, Inc.

About Dresser, Inc.

Dresser, Inc. is a leader in providing highly engineered infrastructure products for the global energy industry. The company has leading positions in a broad portfolio of products including valves, actuators, meters, switches, regulators, piping products, natural gas-fueled engines, retail fuel dispensers and associated retail point of sale systems and air and gas handling equipment. Leading brand names within the Dresser portfolio include Dresser Wayne® retail fueling systems, Waukesha® natural gas-fired engines, Masoneilan® control valves, Mooney® regulators, Consolidated® pressure relief valves, and Roots® blowers and rotary gas meters. It has manufacturing and customer service facilities located strategically worldwide and a sales presence in more than 100 countries. The company's website can be accessed at www.dresserwayne.com.



Protect your warranty and regulatory certifications. Insist on Dresser Wayne Genuine Parts for all equipment repairs and upgrades.

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