Gallagher
PULSE Series
+Blue™ Fuel Dispenser

www.gallagher.com
Introducing the Gallagher PULSE

GALLAGHER FUEL SYSTEMS DELIVERS MORE INNOVATION INTO THE FUELLING MARKET WITH THE RELEASE OF +Blue™ DISPENSING.

+Blue™ is the Gallagher trade mark for our dispensers capability to deliver Diesel Exhaust Fluid (DEF), commonly referred to as Adblue in Europe.

DEF is an aqueous urea solution made with 32.5% urea and 67.5% deionized water and is used as an exhaust cleaner to lower diesel exhaust emissions from diesel engines.

While DEF is non-toxic and safe to handle, it can corrode some metals and must be stored and transported carefully. This solution has an international specification ISO 22241, and is made to that standard by a range of companies around the world.

The modularity of the new PULSE range of dispensers allows these smart pumps to integrate +Blue™, with ease.

The Gallagher release of PULSE dispensers supports the truck industry to meet the current EURO 5 standard for Diesel exhaust emissions and allow for the future EURO 6 requirements for Diesel passenger vehicles.

Newer trucks that meet the Euro 5 standard have fully Integrated +Blue™ tanks and combustion units towards the end of their exhaust.

Consider +Blue tanks, underground dispenser piping and dispenser size as new sites are planned or when existing sites undergo retrofit.

Redefining what’s possible in +Blue™ management
MULTIPLE OPTIONS, +BLUE™ DISPENSER FOR EVERY TYPE OF FORECOURT DESIGN

The Gallagher componentry for the +Blue™ dispensing solution uses high end, corrosion resistant material and fits within the PULSE range as a standard product. This standardisation enables easy integration of +Blue dispensing and offers all the options available across the entire PULSE Range.

We retain the highest level of accuracy with the Tatsuno meter which includes a 3 year guarantee and is enhanced with a special protective coating designed for +Blue dispensing.

PULSE dispensers can use our +Blue™ logo and imagery either integrated into your brand, or your designers can build the image reflective of your brand. We have full vinyl design, print and application services - greatly reducing your third party on-site vinyl application costs.

FUTURE PROOF YOUR INVESTMENT

The PULSE Range of dispensers ability to merge future technologies such as media, OPT and FMS, (Fuel Management Systems), will also fully accommodate +Blue integration.
The Flexible PULSE CSQ

THE INTRODUCTION OF INTEGRATED +BLUE ALONG WITH SIMULTANEOUS DELIVERIES WAS INSPIRED BY OUR CUSTOMERS REQUIRING BETTER USE OF FORECOURT SPACE AND TIME. SIMULTANEOUS DELIVERIES ENABLE OPERATORS TO FILL TWO PRODUCTS FROM ONE DISPENSER AT THE SAME TIME.

Standard Flexi-arm has a hose reach of 4.2m. Optional upgrade to extended Flexi-arm gives 5.2m.

Versatile Display options suitable for +Blue dispensing such as separate grade displays one end and mirrored displays for the single+Blue hose.

Diesel options include a range of flow rates, hoses, nozzles and a flow rate switch.

Misfuelling is avoided with a magnetic safety device fitted to +Blue™ nozzles that allow deliveries from only +Blue™ integrated tanks. A nozzle adaptor is also available for container filling.

The +Blue™ hydraulics are engineered with one inlet and filter manifolded to single or dual meters with single stage, stainless steel valves for non preset operation.

The small “S” footprint accommodates a +Blue™ dispenser stack and ULTRA flow diesel dispenser or pumper hydraulics.

CSQ models
Ideal for the requirements of truck/retail sites, the CSQ range of fuel dispensers offer one to four hoses in a compact footprint. Configure your preferred traffic throughput with lane/island layout options to suit every forecourt. The +BLUE stack is available as a dispenser only, whereas the Diesel hydraulics are available as a pumper or dispenser.

*PULSE CSQ 3 Hose (Diesel, Diesel and +Blue™)
The stand-alone +Blue™ is available in single or dual hose options. The smaller user interface allows a single product display each side. In a single hose model, the display can be mirrored to show fuel delivery details from either lane.

ENHANCED USER INTERFACE

The larger user interface allows for plenty of branding or instructional decal space. The colour coding suits the +Blue™ product with options for additional hose panel colour and matching pump numbering. Future proofed for Media, OPT or P@P.

GRADE DISPLAYS

With simultaneous delivery operating from all 4 hoses it is possible for large volume customers to fill Ultra Diesel and +Blue™ from either lane at the same time. The dedicated grade display option clearly shows each hose, nozzle and grade position.

The space between the displays can accommodate a small format FMS (Fuel Management Systems) or OPT (Outdoor Payment Terminal).

24/7 +Blue and Diesel ‘PAY @ PUMP’

Combined displays enable transaction details from two products to show on one main display, such as a simultaneously delivery of Diesel and +Blue™. The space it creates also allows for the integration of Media, OPT, FMS or P@P options in the future.
The Ultimate +Blue™ Range

PULSE C SERIES, YOUR FIRST CHOICE FOR A +BLUE™ TRUCK FUELLING WORKHORSE

We realise a single dispenser option is not going to suit every forecourt. The PULSE +Blue™ options with the C series provide smallest combined footprint available while still offering single or dual lane operation.

Better utilisation of forecourt time as well as space is provided with simultaneous deliveries. Truckstop customers can fill DEF and Diesel at the same time from both sides of PULSE dispenser.

Avoiding the cost of a second dispenser is another benefit of simultaneous delivery, as what previously required two separate dispensers can now be achieved with one.

The CS range features hose hang options to provide great reach for truckstop environments, from the standard 3.8m (with spreader) to flexi-arm models giving 4.2m reach and CSQ models offering a huge 5.2m via extended Flexi-arms.

Efficient use of forecourt space, time, and your investment is what the PULSE +Blue™ truck fuelling range is all about.

PULSE L SERIES, FLAGSHIP MODELS TO MEET ALL YOUR FORECOURT REQUIREMENTS

Truckstop dispensers do not have to look different from your retail image.

The L Series brings the premium look to the forecourt with its modular hose compartment and hanging or retracting hoses.

These models allow for multiple products with big branding spaces for high customer impact using the same hydraulic bases and user interfaces as the C Series.

This keeps the fuelling customer in tune with your brand no matter what type of site they are visiting in your network.

The combination of fuels with +Blue™ can include Diesel, Petrol, E85 and LPG.

The standard L shaped design offers much with its dedicated displays giving a choice of two diesel grades.
The Ultimate +Blue™ Range

**CSQ 2 Hose**
- Dual lane operation

**CSQ 2 Hose**
- Single or Dual lane

**CSQ 1 Hose**
- Dual lane operation

**CS 4 Hose**
- Single lane operation

**LS 4 Hose**
- Single lane operation

**LX 8 Hose**
- Single lane operation

**LS 2 Hose**
- Single lane operation