

Blue1 MID Box

The BLUE1 Mid Box is an AdBlue Solution which is developed for MID retail applications (weights and measurements approved) in accordance to the needs of existing petrol stations. One of those needs is the fact that limited space is available for new and extra infrastructure and as a consequence the AdBlue solution needs to fit into the existing configuration of the station. Therefore we developed a solution with integrated dispenser with a size advantage as result and which can be connected to all common POS-systems.

This solution, which offers an optimal combination between price and quality, is engineered and built according the highest quality standards, to make sure that your AdBlue keeps its 100% purity.



Product Specifications

- Plug and play
- Bunded storage tank
- Volume 1000L up to 15000L
- Stainless Steel Piping
- DDC-coupling
- Submersible pump up to 40L/min
- Dry run security
- Heating
- Level gauge + indication
- Overfill protection
- MID
- Telemetry ATEX (option)
- KIWA (option)
- DIBT (option)
- EX-conformity (option)

Principle:

The housing is built up out of insulated fibreglass reinforced sandwich elements and is divided into 2 compartments:

- Compartment 1 is completely liquid tight and acts as a bund
- Compartment 2 is the technical compartment in which the unit can be serviced and filled up through the front fill.

Filling up the unit:

The unit is filled up through a front fill compartment in stainless steel.

The Dry Disconnect Coupling makes sure that all deliveries will occur without leakage and on the other hand the overfill prevention will make sure that an overfill of the unit is impossible.

Level indication:

The volume inside the unit is constantly monitored and is shown off on a display.

Connection to Point Of Sales:

The unit can be connected to all different types of point of sales.

Piping:

All piping is approved up to 16 bar and is always in Stainless Steel.

VISUALIZE YOUR VOLUMES



Measuring and monitoring in real time is an essential tool in a world of short global communication lines. Therefore Blue1 developed a complete telemetry system which covers hardware, communication and visualization.

ONE PARTNER FOR:

- Hardware
- Communication
- Web based backoffice
- Installation, maintenance and service

NO SOFTWARE INSTALLATION

ONE SIMCARD WITH WORLD COVERAGE

PROVEN TECHNOLOGIE

REAL TIME DATA CONVERTED TO VALUE ADDED INFORMATION



STATE OF THE ART HIGH END BACKOFFICE AND USER INTERFACE



The system enables you to keep track of all the volumes in your AdBlue tanks



Product data specifications Blue1 MID Box

Dimensions	Volume	Length+	Width	Height	Kg
	1000L	2.010 mm	860 mm	2 100 mm	450kg
	1500L	2.010 mm	860 mm	2.100 mm	500kg
	2000L	2.560 mm	860 mm	2.100 mm	640kg
	3000L-S	2.820 mm	990 mm	2.360 mm	925 kg
	3000L	2.860 mm	1.170 mm	2.360 mm	925 kg
	4000L	2.860 mm	1.170 mm	2.360 mm	925 kg
	5000L	3.220 mm	1.530 mm	2.350 mm	975 kg
	7500L	4.570 mm	1.530 mm	2.400 mm	1.205 kg
	10000L	5.920 mm	1.530 mm	2.400 mm	1.475 kg
15000L	9.260 mm	1.530 mm	2.450 mm	1.875 kg	
Housing	Insulated sandwich panels integrated in fibreglass structure and acts as a bund, colour: standard white				
Tank	Single walled / polyethylene / installed in compartment 1				
Flow rate	Between 30 and 40L/min for trucks or 5t to 10 L/min for cars				
Nozzle	Standard equipped with 1 nozzle for trucks or passenger cars Optional equipped with 2 nozzles 1 x trucks and 1 x passenger cars (for non-simultaneous dispensing)				
Pump	Submersible pump 1000W				
Heating	Anti freeze heating 1500W-3000W				
Piping	Stainless Steel				
Filling point	DDC coupling in front fill compartment				
Level Sensor	4-20 mA				
Level indicator	Standard - electronic with LCD display				
Overfill protection	Standard				
Telemetry	Optional				
Leak detection	Sensor in banded area to detect leakage of the primary tank or overfill (optional) EX leak detection (optional) 				
MID	Unit is MID approved				
Communication interface	RS 485 Easycall, IFSF (LON FRR-10 or TCP/IP), Pumalan extended, Nara Standard, FULL DART				
Power supply	1x230 VAC, 16 A, 3x2,5mm ² , for non hazardous area				
EX conformity	Optional (EX II 3/- G, IIA T3) 				



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