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**THE N° 1 IN ADBLUE SOLUTIONS**

**AND**

**LIQUID-HANDLING**

**Blue 1 BVBA**  
**Industriepark-West 75**  
**9100 Sint-Niklaas**  
**Belgium**

Blue 1 BVBA  
Kruiningenstraat 12  
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RPR Antwerpen

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Nos conditions générales de vente au verso ou sur [www.blue1.be](http://www.blue1.be) sont d'application.

# BLUE1 COMPACT

## Blue1 I Compact (industrial applications)



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## **TECHNICAL INFORMATION BLUE1 7500 L INDUSTRIAL MODEL ALL IN ONE**

- Concept:**
- Housing from insulated Sandwich elements.
  - 2 compartments:      √ Compartment 1 is tight and acts as a bund  
                                  √ Compartment 2 is the technical room
  - Integrated Anti freeze heating
  - Outside colour: white, Logo Air1®
- Optionals:**      √ Hot version: ventilation system activated by thermostat  
                          √ Removable side element technical room

**Versions:**

**BL-7.500**

Volume: 7.500L

Dimensions L = 4.600mm, D =1.530 mm, H =2.317 mm

Weight (empty tank) : 980kg

- Tank:**           *Installed into compartment 1*
- Type:             Single wall  
Material:         Polyethylene  
Sensor:          Level sensor 4-20mA with local display  
Pump:            Submersible pump type LEADER Ecodiver 1000A

**Filling point:** Separated Stainless Steel filling compartment integrated into Blue 1 panel. Separate removable door to access:

- 2" dry coupling
- Overfill protection plug type Fafnir
- Level indicator

Optionals:        √ Active overfill protection alarm with reset button

- Refuelling:**   *Installed into compartment 2*
- Standard foreseen with hose balancer system with 5m operational length.
  - Elaflex automatic Ad Blue nozzle with integrated magnet.
  - Max flow 40l/min.
  - Complete Stainless steel Blue 1 panel with isolated door.
  - Available in single side version or double side version.
  - Not approved for public use

Optionals:        √ Hose reel for operational length up to 8 meters  
                          √ Active minimum level alarm with LED indication.  
                          √ Timer function (maximum dispensing time)  
                          √ Function key deactivation dispenser  
                          √ Extension for satellite connexion.

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## Flow measurement:

### 1. Display type ALX 701:

- Performances:
- Command for 1 pump & display of delivered fuel.
  - Storage of litre totals.
  - Calibration factor of the measuring room.
  - Output 10 pulses pro litre

- Specifications:
- Metal coated housing
  - Electronic card with 6 digit lighted display
  - Automatic display reset
  - 2 fuses 2A
  - Plug connectors for divers connections
  - 4 bolts M4 for fixation
  - Dimensions: L=180mm; H=120mm; D=60mm

### 2. Measuring room PIUSI

Measuring principle		Turbine / impeller
Materials		Body: AISI 316I Magnets: Samarium-cobalt Seals: Viton Impleer: Polypropylene
Connection	Inch	1" male threaded
Resolution	L/impulse	0.011
Flow rate	L/minute	Max 40l/min
Storage temperature	°C	-20 / +70
Storage humidity	R.U.	95%
Operating temperature	°C	-10 / +60°C
Head loss (at 40L/min)	Bar	0.05
Precision	%	+/-1
Repeatability	%	+/-0.4
Type of impulse		Clean contact (reed switch)
Max current	mA	100
Max voltage	Volt ac/dc	28
Impulse/liter	Number	92
Max. operating pressure	Bar	20
Max. bursting pressure	Bar	40

**Wireless communication:** Endress & Hauser Fieldgate GSM

### Electrical connections:

- For non hazardous area
- 1 x 230VAC, 16A (3 x 2.5mm<sup>2</sup>)
- EU Directive Low Voltage 73/23/EEG, updated 93/68/EEG

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