

DEF/AdBlue Reservoir

Diesel Exhaust Fluid Reservoir System

Solutions for On and Off road Applications

Application

In order to meet reduced Nitrogen Oxides (NOx) emission levels, many diesel engine manufacturers have turned to Selective Catalytic Reduction (SCR) as the technology of choice. Storage, monitoring, and transfer of diesel exhaust fluid (DEF) is best handled with a single source solution.



Example of. typical DEF Reservoir System

Features/Benefits

Multifunction Head Unit (MFHU)

...simplifies design by integrating level and temperature sensors, DEF strainer, connections for electrical, suction, throttle, and coolant lines

DEF Reservoirs

...multiple standard designs (5, 10, 15 gallon with landscape or portrait orientation) increases installation design flexibility. Custom designs are also available

DEF Fill Cap

...Easily identifiable blue, ¼ turn cap with 19mm ISO 22241 magnetic restrictor to prevent mis-fills

Description

The heart of the Shaw system is the Multifunction Head Unit (MFHU). To simplify design, the MFHU contains integrated level and temperature sensors. By using ultrasonic sensing technology the level sensor eliminates the problems normally associated with mechanical designs. Outputs from both sensors are fully compatible with major dosing units available today.

Included in the MFHU is an engine coolant powered heater to thaw DEF in conditions below 12°F (-11°C). The heater is designed for optimal performance to meet OEM and governmental regulations. Electrical heating is also available for special applications.

Optional items such as remote fill adapters and vents, lockable caps, coolant control valves, electrically heated suction, return, and pressure hoses, and mounting brackets are available to complete the DEF reservoir system.



Custom Products for Distinguished Customers

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DEF/AdBlue Reservoir

Product Selection



Multi-function Head Unit, Contains Integral Level and Temperature Sensor, Coolant Heater, Suction Strainer, Cap. Available in various lengths and electrical outputs



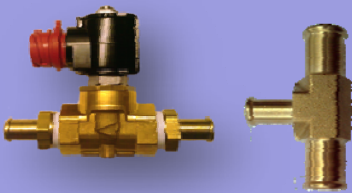
DEF Tank, 5, 10, 15 Gallon, Landscape or Portrait Designs. Custom shapes and designs available



Electrically Heated Hoses: Return, Suction, Pressure
Various lengths and fittings available



Remote Fill / Spill Pan with Cap
DEF compatible Remote Filler hoses available



Coolant Valve, 12VDC or 24VDC and Accessories



DEF Tank Mounting Brackets and Debris Guards

DEF Reservoir Systems Refueling Systems Level Indicators Fluid Caps Plugs Quick Disconnects