



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.



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 (3, 5, 10, 15 and 25 gallon with landscape or portrait orientation) increases installation design flexibility. Standard, validated tank shape options allows for a **"quick to market"** solution for the OEM. Custom and options for validated system solutions are available.*
- **DEF Fill Cap**
 - *venting/filtered cap and adapters per ISO-22241 are standard offerings for all DEF component and system offerings. Industry leading high capacity fill port strainers ensure clean DEF to the injector.*

DEF/AdBlue Reservoir



Description:

The heart of the Shaw DEF system is the Multifunction Head Unit (MFHU). To simplify design, the MFHU contains integrated level concentration and temperature sensors. By using ultrasonic sensing technology the solid state 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 -40°F (-40°C). The heater is designed for optimal performance to meet OEM and governmental local regulatory regulations.

Optional items: remote fill adapters and vents, lockable caps, coolant control valves, electrically heated suction, return and pressure hoses and mounting brackets.

PRODUCT SELECTION



Multi-function Head Unit, Contains Integral Level Quality and Temperature Sensor, Coolant Powered Heat Exchanger, Suction Strainer, Vented Cap. Available in J1939 canbus and analog outputs.



DEF Tank 3, 5, 10, 15 and 25 Gallon, Landscape or Portrait Designs. Custom shapes and designs available.



EPDM and Nylon Core, Electrically Heated Hoses: Return, Suction, Pressure Various lengths and fittings available.



Spill Pan for Remote DEF Fill Applications - filler cap and DEF fill hose options available.



Coolant Control Valve 12 and 24 VDC options.



140 Micron Serviceable Fill Port Strainer. Includes magnetic interface per ISO 22241-4

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SENSOR INNOVATION. OPERATIONAL EXCELLENCE

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