OPW
RETAIL FUELING
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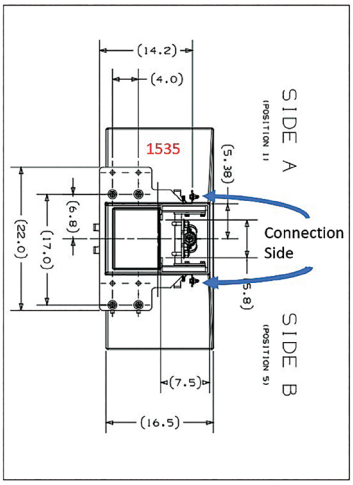
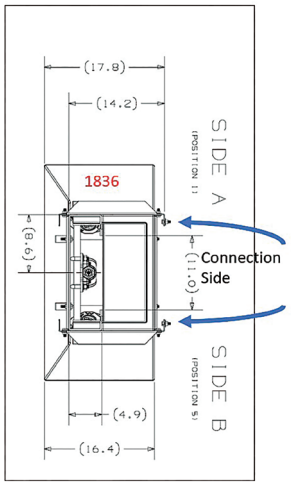
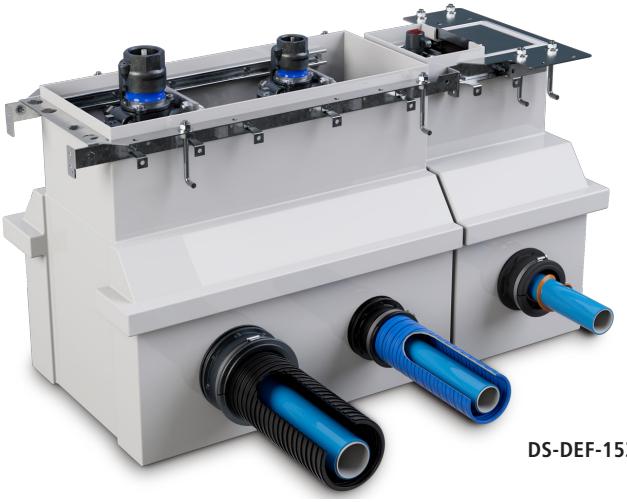
FlexWorks Diesel Exhaust Fluid (DEF) Loop System™

Since 2010, all diesel-powered trucks in the United States that must meet federal emissions standards have been outfitted with a Selective Catalytic Reduction (SCR) system that is powered by Diesel Exhaust Fluid (DEF). As the DEF-dispensing infrastructure has grown and evolved in the ensuing years, OPW has created a DEF-specific version of its FlexWorks Loop System™.

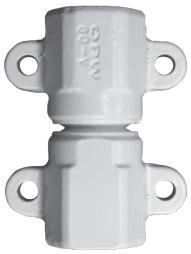
Like the original, the DEF Loop System employs pre-fabricated and factory-assembled components, resulting in dramatically less field labor time and lower associated costs, along with less potential for installation errors to occur. These capabilities make the DEF Loop System a simplified and completely integrated piping system that facilitates easy inspection and the identification and repair of any problem that may develop, all while enhancing leak-prevention ability.







DS-DEF-1535



60V-DEF-SS

The DEF Loop System features two DEF-specifc components:

- **60V-DEF-SS Shear Valve –** Features 100% stainless-steel construction for unmatched DEF compatibility with a double-poppet design that is third-party tested to ensure compatibility with the ISO 22241 standard. Utilizes a 1" NPT connection on top and 1.5" or 2" NPT or NPSH thread on the bottom for easy installation with a DEF-approved thread sealant or double-wall swivel (DPC)-style couplings. It is also designed for easy use with DEF-recirculation systems.
- **DEF Containment Sumps –** Able to be configured for both DEF-specific bolt-on installations and bolt-on installations that are common to a traditional underground dispenser chamber (UDC). Features the same profile as traditional OPW dispenser sumps and can be bolted on to either side of the dispenser to fit the manufacturer's footprint.

Features & Benefits:

- Compatible with Wayne Cold Weather Ovation with DEF and Gilbarco Encore with DEF dispenser models
- Proprietary fully stainless-steel valve-body construction for 100% DEF compatibility
- Machined shear grooves for reliable shear performance
- Double-wall pipe couplings
- Dual-sided entry fittings
- Double-poppet internals constructed with PEI RP1100-recommended materials help contain product in the event of an impact collision

Standard Configuration

Containment Sump		DEF Sump
DSE-1836 DS-1836	+	DS-DEF-1836
DS-1535	+	DS-DEF-1535

Loop Configuration

DSLH/DSLHF-XX-1836-XXX	+	DSLXX-DEF-XX-1836
DSLH/DSLHF-XX-1535-XXX	+	DSLXX-DEF-XX-1535L/R

Available Heat Trace Entry Fittings – HEF-4015G and HEF-4020G – for 1.5" or 2" FlexWorks designed specifically for DEF.

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