

# LEADING THE WAY IN DEF PIPING, CONTAINMENT & FILLING SOLUTIONS

From one end to  
the other we've  
got you covered:

- ◆ The industry's most complete DEF-filling solution
- ◆ Unique mis-filling prevention device (MFPD)
- ◆ Industry-leading piping & containment
- ◆ Emergency shut-off
- ◆ Remote fill spill containment
- ...and more

**OPW**   
a **DOVER** company

ONE COMPANY. ONE WORLD. ONE SOURCE.™

# THE MOST COMPREHENSIVE DEF-HA

As diesel fleets rapidly adopt Diesel Exhaust Fluid (DEF), OPW is leading the way in providing you the most reliable, efficient and comprehensive DEF filling solution in the industry. Beginning with our unique Mis-Filling Prevention Device that provides affordable insurance against the risks of DEF mis-filling to our revolutionary, industry-standard DEF nozzle, hose, swivel/breakaways, secondary containment, emergency shear valve and DEF transfer piping – we've got you covered from one end to the other.

## OPW Fuel Control Solutions

- Provides for accurate accounting of fuel 24/7/365
- Helps eliminate fuel theft
- Solutions for everything from a single, private fuel site to a multi-truck or complex national commercial network



## Unique Mis-Filling Prevention Device (MFPD)

*The heart of the 21Gu DEF Mis-Filling Prevention System*

DEF mis-filling can be expensive. The OPW 21Gu MFPD offers the industry's most effective and affordable insurance policy against mis-filling mishaps – actually stopping them before they happen. There is no better way to protect your investment and the environment.

NOTE: MFPD sold separately. Some models will not function without it. MFPD may be required for testing W & M or other testing.



DEF Fill-Point Slogan Badge

Meets ISO 22241 Compatibility Testing for DEF Contamination

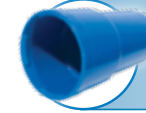
- Distinctively styled and strikingly attractive
- Comes with Integral Contaminant Prevention Filter
- The DEF filling standard in Europe
- Durable, streamlined design provides for optimum form and function



OPW 21Gu Integral Contaminant Prevention Filter (Comes with Nozzle)

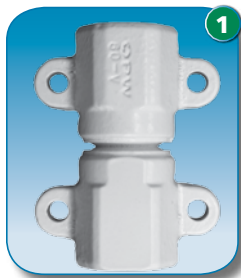


OPW 21Gu Reconnectable Swivel/Breakaway (21Gu-SSB)  
(Note: Swivel Only Option Available)



21Gu BCS Swivel/Breakaway Cover Sleeve  
(Comes with Swivel Breakaway)

## OPW Conquistador™ Composite Cover Manholes



### OPW 60V DEF Shear Valves

- Double-poppeted design incorporated to help prevent DEF loss in the event dispenser is toppled
- 1" Female connection to both dispenser and underground piping
- BSPP to NPT thread adaptors available



### OPW Stainless Steel Flexible Connectors

- All stainless-steel construction
- No coated or plated end connectors or swivels (also no Teflon™)
- 25% thicker wall on ribbed hose
- Rated for 150 psig (10 bar) working pressure



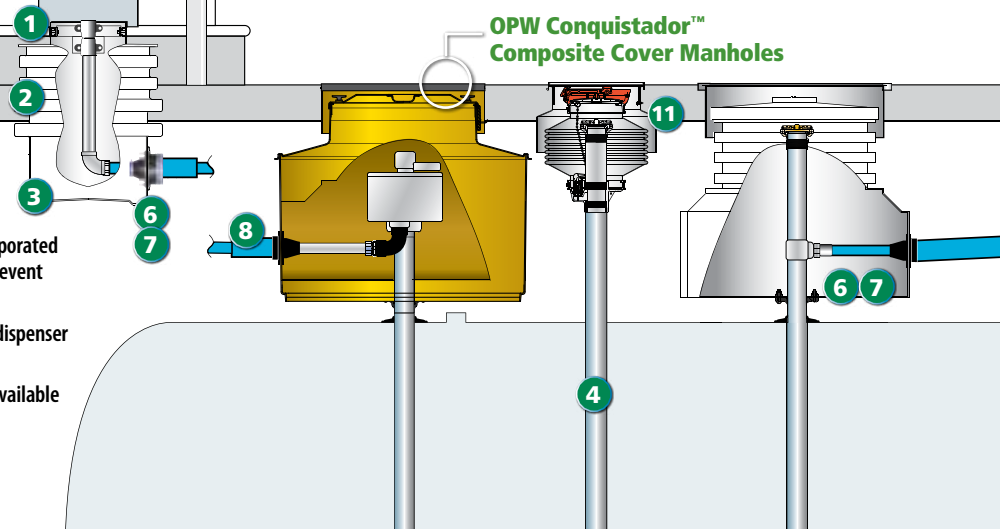
### OPW FlexWorks Dispenser Sumps

- Available in fiberglass and polyethylene, one and two-piece models, and optional DEF skirt
- Multiple Models – ensure a custom fit
- Structural Reinforcing on Large MPD Models – prevents sump deformation from backfill and high water table forces
- Integral Rain Lip – protrudes into the dispenser frame to prevent surface water entry



### OPW 61T-DEF-0412 Stainless Steel Drop Tube

- Available in 12 ft. lengths
- Fully Welded Retaining Brackets – ensure a secure installation in the riser pipe
- Three Centering Springs – enable even flow of vapors back to the tank truck



# HANDLING SOLUTION IN THE INDUSTRY

## OPW 21Gu Reconnectable Swivel/Breakaway

- Ensures a smooth nozzle rotation for easy customer handling and reduced hose wear
- Featuring premium seals and all stainless steel construction to provide long-life durability
- Reconnectable – minimize downtime after an event



## OPW 623V Emergency Vent

- Reliable Service – vent cap drain spouts extend outward to deter rainwater entry
- Corrosion-Resistant Construction – Duratuff® composite body ensures long service life



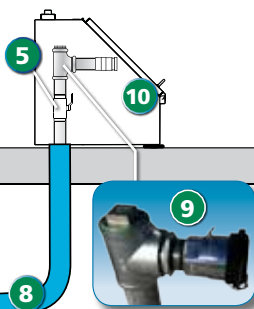
## OPW 21Gu Hose Assembly



- Specially designed for DEF-flow applications
- Lightweight and highly flexible for easy customer handling
- Smooth bore, seamless fluoropolymer lining for exceptional flow performance
- Swivel end couplings provide for easy installation

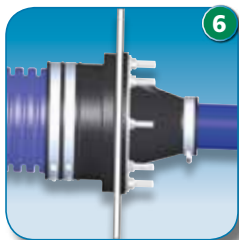
## 1-2100-EVR Series Spill Container

- Available in 5 or 15 gallon
- Designed for fuel blends, including methanol, ethanol and fuels with MTBE additives.



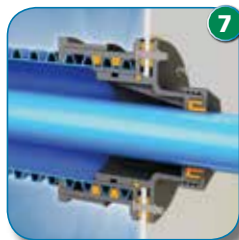
## OPW FlexWorks Double Flexible Entry Boots

- Watertight pipe and conduit entries
- Installation on flat or round surface
- Added flexibility permitting angled pipe entries
- Provides clean, dry environment



## OPW FlexWorks "REF" Rigid Entry Fitting

- Sealing Redundancy Throughout – maximum containment and unmatched protection from water intrusion
- Preserves Total Accessibility – for monitoring, maintenance, testing and repair
- Maintains flexibility to accommodate pipe and ground movement
- Hard Shell Exterior – to weather the elements and abuse in the underground environment



## OPW FlexWorks Crush Resistant Access Pipe & Retractable Primary Pipe with Bolt-On Coupling

- Fully-bonded, premium PVDF primary pipe construction
- All Stainless Steel Wetted Surfaces to avoid excessive rust and degradation
- Complete peace-of-mind protection, performance and installation or replacement ease
- No Jacket Stripping
- No Test Boots



## Stainless-Steel Remote-Fill Storage Tank Spill Container



## Pomeco/OPW 211-RMOT Stainless-Steel Remote-Fill Storage Tank Spill Container

- Accommodates various fill pipe configurations – available in 15, 20 and 30-gallon container capacity. Custom sizes available upon request.
- 12-Gauge stainless steel construction, compatible with DEF for long service life

## Optional Remote-Fill Storage Tank Spill Container



## OPW FlexWorks Transition Sumps

- Two-piece, non-corroding, polyethylene sump container
- Weatherproof lockable cover
- Exterior anchoring system



## OPW 144/444TA Tank Alarm

- Protection against costly overfills
- Provides liquid level sensing of one to four tanks
- Long life (10-Year) lithium battery  
(Located inside facility or near the remote spill container)

## 21BV Full Port, Stainless Steel Two-Way Ball Valve



## OPW Poppeted Kamvalok® Couplers & Fill Adaptors

- 1672AN SS20, 2" and 1672AN SS30, 3" Stainless Steel Kamvalok® Adaptors – designed to mate with OPW Kamvalok® Dry Disconnect Couplings
- Internal spring-loaded valve assembly automatically closes to help prevent spillage of DEF

NOTE: For the hose end, OPW also offers the 1772DL-SS20, 2" and 1772DL-SS30, 3" Stainless Steel Kamvalok® Dry Disconnect Couplings to enable dry connection and disconnection to prevent accidental spillage of DEF

## OPW DEF Solution – Key Points of Value

Need / Want	Benefit / Value	OPW DEF Solution
Eliminate the Risk of Accidental DEF Filling	<ul style="list-style-type: none"> <li>Affordable insurance in the prevention of costly engine damage due to mis-filling</li> </ul>	<ul style="list-style-type: none"> <li>Mis-Filling Prevention Device (MFPD)</li> </ul>
Reduce the Chances of Environment Contamination and Fines	<ul style="list-style-type: none"> <li>Reliable means of ensuring environmental compliance; keeps the environment safe and clean</li> </ul>	<ul style="list-style-type: none"> <li>FlexWorks sumps, entry fittings, primary and secondary piping</li> <li>Overfill prevention valves, remote spill containers, and tank alarms</li> <li>Tight-fill Kamvalok™ connectors</li> </ul>
Reliable, Durable Filling Method Customers can Count on	<ul style="list-style-type: none"> <li>Problem-free performance ensures customer satisfaction and repeat business</li> </ul>	<ul style="list-style-type: none"> <li>OPW 21Gu Nozzle</li> <li>OPW 21Gu Hose</li> </ul>
Provides for Maximum Customer and Equipment Safety	<ul style="list-style-type: none"> <li>Time-tested, field-proven means of protecting customers and equipment investments in the event of accidents</li> </ul>	<ul style="list-style-type: none"> <li>OPW Swivel Breakaway and 60V Emergency Valves</li> </ul>
Compliance and /or Compatibility Assurance	<ul style="list-style-type: none"> <li>Certified OPW DEF products designed to work in unison</li> <li>DEF compatible, CARB certified AST products</li> </ul>	<ul style="list-style-type: none"> <li>The industry's most complete DEF liquid transfer and handling system designed to provide affordability, reliability from a single source</li> </ul>

## Product Specifications

Part #	Description
21GU-0400	Wayne® / Bennett® / Gasboy® (Model 9862XX-ZWW) Nozzle designed for use WITHOUT Mis-Filling Prevention Device
21GU-040G	Gilbarco® / Gasboy® (Model 9862KX-Z) Nozzle designed for use WITHOUT Mis-Filling Prevention Device
21GU-0500	Wayne® / Bennett® / Gasboy® (Model 9862XX-ZWW) Nozzle designed for use WITH Mis-Filling Prevention Device
21GU-050G	Gilbarco® / Gasboy® (Model 9862KX-Z) Nozzle designed for use WITH Mis-Filling Prevention Device
21GU-MFPD	21Gu Mis-Filling Prevention Device (MFPD) - Sold Separately
21GU-SSB	DEF Stainless Steel Reconnectable Breakaway/Swivel (1 per nozzle required, or equivalent)
21GU-HXX	DEF Hose Assembly (XX= ft. required. Contact OPW Customer Service for available lengths)
6211SS	211-RMOT Stainless Steel, Remote Fill Above Ground Spill Container
144TA-0100 or 444TA-0100	Single Channel Liquid Level Tank Alarm or Four Signal Tank Alarm
44TA-LLFS	36" Liquid Level Float Switch Sub-Assembly
1772DL-SS20 and 1772DL-SS30	2" and 3" Stainless-steel Poppeted Kamvalok® Dry Disconnect Couplings
1672AN SS20 and 1672AN SS30	2" and 3" Stainless-steel Kamvalok® Adaptors
FIT500, C/OPT or K800 Hybrid	OPWFMS Fuel Control System (OPWFMS Fuel Site Controller sold separately)
FDS, DEF, DS, DSW or PST	FlexWorks Dispenser and Transition Sumps in Fiberglass or Polyethylene, one and two-piece models
C10, C15A and C20A	FlexWorks Double-Wall Primary Supply Piping (1", 1.5" and 2")
AXP40	FlexWorks Double-Layer Access Pipe 4"
REF-4015 and 4020	Rigid Entry Fitting (4" x 1.5" and 4" x 2")
DEB Series	Double Flexible Entry Boots (1.5" to 4" and 1/2" Conduit Double Entry Boots)
60V-DEF	Shear Valve 1" x 1" BSPP Female
205900	1" Female NPT 60V Shear Valve Adaptor
205899	1" Male BSPP 60V Shear Valve Adaptor
FCXX-XXXX Series	Stainless Steel Series Flex Connectors
39CD-XXXX or 44CD-XXXX Series	Conquistador™ Composite Cover Manholes
21BV-XXXXSS Series	Full Port Stainless Steel Two-Way Ball Valves
623V-2203 or 623V-3203	Pressure Vacuum Vents
61T-DEF-0412	Stainless Steel Drop Tube



Bennett®, Separation by Design®, Wayne® Guard (Standard) and Gasboy®



Gilbarco® Guard



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IMPORTANT: NOTICE: FlexWorks by OPW, Inc., VAPORSAVER™ and all other OPW products must be used in compliance with all applicable federal, state, provincial and local laws, rules and regulations. Product selection must be based on physical specifications and limitations, compatibility with the environment and material to be handled. All illustrations and specifications in this literature are based on the latest production information available at the time of publication. Prices, materials and specifications are subject to change at any time, and models may be discontinued at any time, in either case, without notice or obligation.