

OPW 61fSTOP "THE STOPPER" AST OVERFILL PREVENTION VALVES

The OPW 61fSTOP AST Overfill Prevention Valve ("The Stopper") is designed to prevent overfilling of aboveground storage tanks by providing a positive shut-off during a pressurized-fill (pump-on fill) delivery. "The Stopper" threads into the fill opening and is an integral part of the fill tube. The OPW 61fSTOP is fully adjustable to allow for easy installation in new or existing aboveground tanks of various height and storage capacity.

The Stopper is a single-action, complete shut-off valve. When the liquid level rises to your specific, pre-determined tank capacity, the valve mechanism is released and automatically closes with the flow of the product. Any excess product left between the valve and the fuel delivery coupler is drained into the tank through internal drain vents. The drain vents on the 61fSTOP act as an anti-siphon, by introducing air/vapor into the fill line, to help isolate the tank from a potential siphon due to a broken or leaking fill pipe.

The 61fSTOP, available in either 2" or 3" full-flow models, maximize flow rates and minimize delivery times. The 2" 61fSTOP requires a 4" tank opening and minimum tank ullage (space from the top of the stored product to the inside top of the tank) of 8" on the 61fSTOP-1000 Cylindrical Float model and minimum ullage of 4" on the 61fSTOP-2000 Float Arm model. The 61fSTOP-1000, with the cylindrical float, eliminates the need to position the valve to avoid tank walls or cross bracing. The 61fSTOP-2000, with the float arm, allows for increased usable storage capacity in the tank and is well suited for small capacity rectangular AST's. The 3" 61fSTOP requires a 6" tank opening and incorporates a cylindrical float requiring 8" of tank ullage space. The 3" Stopper is a high flow unit that can accommodate flow rates over 400 gallons per minute (depending on pump capacity).

The 61fSTOP-100M and -200M are anodized and compatible with 100% methanol or ethanol fuels. The OPW 61fSTOP-305A meets with the specifications of the [Handbook of Aviation Fuels Properties for Aviation/Jet Fuel Compatibility](#) (as developed by the Coordinating Research Council of the Society of Automotive Engineers). The 61fSTOP-305A is compatible with aviation fuels (including jet fuels), gasoline, gasoline-alcohol fuels, diesel, kerosene, mogas, fuel oil, motor oils (up to 60W), and anti-freeze.

Features:

- ◆ **Simple, Easy and Quick Installation** – The valve is adjusted to the proper shut-off level and threaded into the top of the tank.
- ◆ **Furnished Complete** – A special crossbar tank-inlet adaptor is provided with each Stopper to provide for tight-fills and help prohibit open fills. Mounting hardware, upper drop tube and 14" lower drop tube provided (longer length drop tubes can be purchased or added).
- ◆ **Completely Automatic Operation** – No pre-checks to perform, no resets, and no overrides to be broken or abused.
- ◆ **Direct or Remote-Fill Compatible** - Fuel delivery couplers can be connected directly to the 61fSTOP or steel pipe can be threaded into the top of the valve, piped to a remote location where the couplers are contained in a 211-RMOT Spill Container.
- ◆ **Integral Anti-Siphon Valve** - Drain vents on the 61fSTOP act as an anti-siphon, by introducing air/vapor into the fill line after the valve actuates, to help isolate the tank from a potential siphon due to a broken or leaking remote fill pipe.
- ◆ **150 psi Pressure Rated* with Low Pressure Drop** - To enable quick, safe delivery of fuel into the tank.
- ◆ **UL and ULC Listed** - To satisfy Third Party accreditation requirements of many jurisdictions.



Materials:

Container: 12 gauge steel (2.6 mm)
Boot: Buna-N
Clamp: stainless steel

*OPW does not recommend pumping pressures above 100 psi for Class IB fuels, and we make no warranties for products used in conjunction with the 61fSTOP.

NOTE: OPW recommends the use of the 61fSTOP with clean product only. Debris and other products such as contaminated waste oil may cause improper operation of the valve.



OPW 61fStop-1000

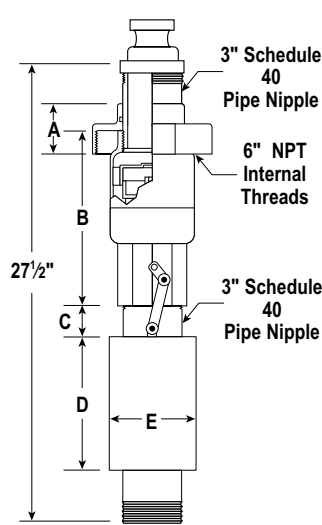
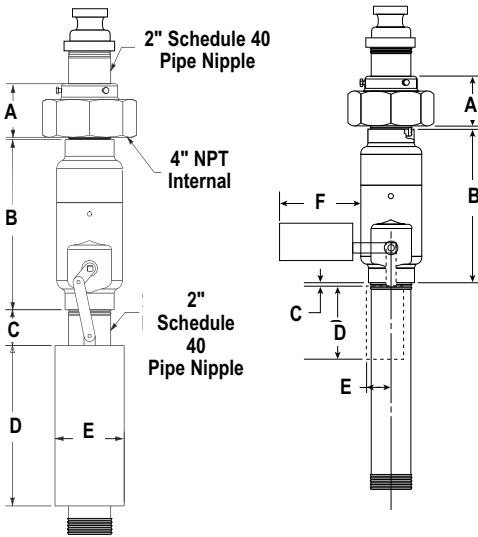


OPW 61fStop-2000



OPW 61fStop-3050

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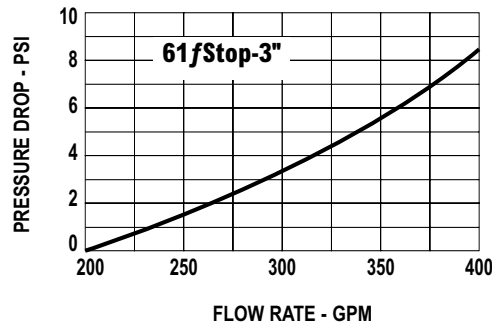
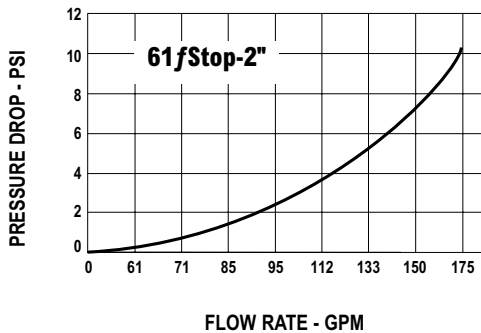
Materials:

- Valve body, adaptor and collar: cast aluminum
- Poppet: cast aluminum, hard coated
- Cam: stainless steel
- Follower: brass
- Shaft: CRS zinc-plated
- Bearing: sintered bronze
- Float: closed-cell Buna-N
- Nipple: 2"-3" schedule 40 steel pipe
- Lower nipple: 2"-3" schedule 40 steel pipe with Duraguard® coating

OPW 61fStop-1000

OPW 61fStop-2000

OPW 61fStop-3050



Ordering Specifications and Dimensions

Product No.	Description	A		B		C		D		E		F	
		in.	cm.	in.	cm.	in.	cm.	in.	cm.	in.	cm.	in.	cm.
61fSTOP-1000	2" Cyl. Float	3"	7.6	10"	25.4	2"	5.1	9"	22.4	3 ¹⁵ / ₁₆ "	10	n/a	
61fSTOP-100M	2" Cyl. Float for Methanol	3"	7.6	10"	25.4	2"	5.1	9"	22.4	3 ¹⁵ / ₁₆ "	10	n/a	
61fSTOP-2000	2" Float Arm	3"	7.6	10"	25.4	1/2"	3.8	5-18"	22.4	1 ³¹ / ₃₂ "	5	6"	15.2
61fSTOP-200M	2" Float Arm for Methanol	3"	7.6	10"	25.4	1/2"	3.8	5-18"	22.4	1 ³¹ / ₃₂ "	5	6"	15.2
61fSTOP-3050	3" Cyl. Float	3"	7.6	10 ⁵ / ₈ "	27	2"	5.1	8"	20.3	5 ¹ / ₈ "	13	n/a	
61fSTOP-305A	3" Cyl. Float for Aviation	3"	7.6	10 ⁵ / ₈ "	27	2"	5.1	8"	20.3	5 ¹ / ₈ "	13	n/a	

Replacement Parts 2"

Product No.	Description
C04093M	4" retaining collar
C04114RS	14" nipple
H12617M	Float (4 pieces required)
61ARM-2000	Floating arm retrofit kit

Replacement Parts 3"

Product No.	Description
D02037M	6" retaining collar
C04474RS	14" nipple
C04438M	Float (4 pieces required)

OPW 61FT Drop Tube

The OPW 61FT Drop Tube is designed to install on the bottom of the 61fSTOP AST Overfill Prevention Valves when a lightweight, longer lower drop tube is required. Constructed of extruded aluminum, the OPW 61FT is connected to the bottom of the 61fSTOP by a clevis and cotter pin assembly and allows for submerged filling of AST's.

Ordering Specifications and Dimensions:

Product No.	Description
61FT-0206	2" x 6' Drop Tube Kit
61FT-0312	3" x 12' Drop Tube Kit