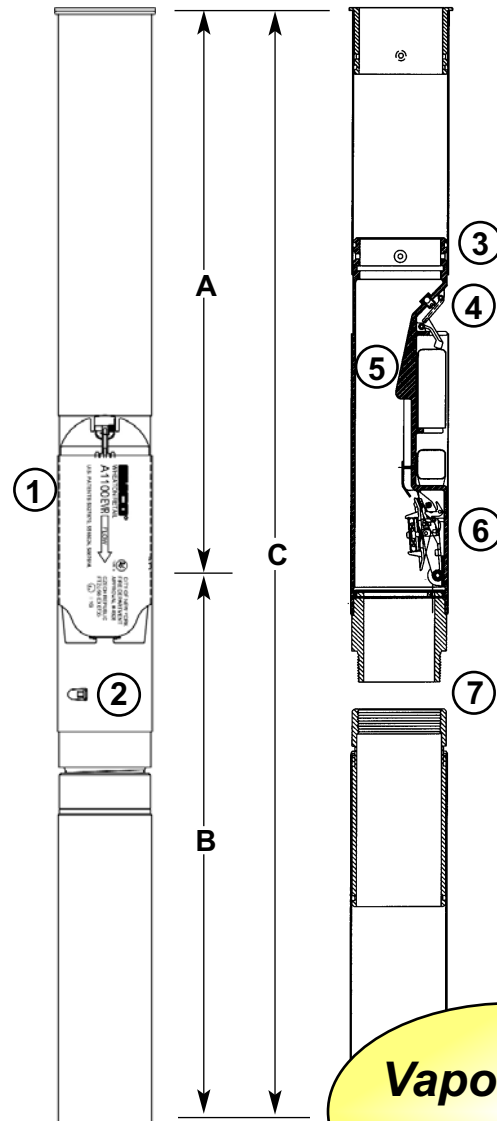


A1100EVR OPV Assemblies



CARB E.O.
VR-105

Provides tank with automatic fuel shutoff at 95% capacity



- 1 Floats contained in protective sleeve**
Insures damage-free installation & removal.
No hinged legs or exposed floats to hang up.
- 2 Plug socket** Allows manual testing of flapper valve assembly in field.
- 3 Top tube-to-valve interface factory welded, sealed and tested** for vapor-tight performance
- 4 Secondary float bleed valve with Viton[®] seal**
Allows fast hose drainage.
- 5 Diverter fins protect the flapper valve**
Allows damage-free stick gauging at any fluid level.
- 6 Automatic valve resetting function**
Positions flapper out of the flow stream.
Allows immediate stick gauging after fill.
- 7 Base of overfill valve is threaded and factory welded to bottom tube incorporating Viton[®] seals** for vapor-tight performance

Aluminum body, HDPE floats, Viton[®] seals

Straight through design gives highest flow rate

Compatible with all standard fuels

Viton[®] is a registered trademark of DuPont Dow Elastomers.

**Vapor Tight
No Epoxy**

Model No.	Description	Upper Length A	Lower Length B	Overall Length C	Max. Burial Depth	Nominal Tank Dia.	Weight
A1100EVR-055	Dual Pt Screw Together	77"	92"	169"	6.0'	8"	25.2 lbs.
A1100EVR-056	Dual Pt Screw Together	89"	104"	193"	7.0'	10"	27.2 lbs.
A1100EVR-057	Dual Pt Screw Together	89"	130"	219"	7.0'	12"	30.3 lbs.
A1100EVR-058	Dual Pt Screw Together	127"	130"	257"	10.0'	12"	31.0 lbs.
A1100EVR-057E	Dual Pt Screw Together E85	89"	130"	219"	7.0'	12"	30.5 lbs.

Custom lengths are available upon request

**566675
Drilling Fixture**



A1100 Overfill Prevention Valve



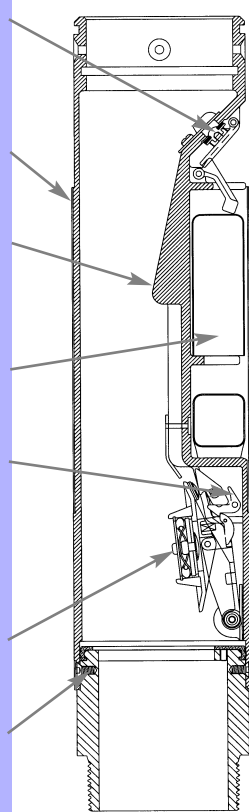
Best Quality • Best Flow • Best Price

EMCO WHEATON RETAIL CORPORATION

2300 Industrial Park Drive • Wilson, North Carolina 27893
252-243-0150 • 252-243-4603 (fax) • www.emcoretail.com

A1100 Guardian Overfill Prevention Valve

- **Drain Bleed Valve** for hose drainage, reduces unnecessary delays. Spring loaded and includes soft seat for positive seal
- **Protective Retainer** over floats for protection during installation, shipping and operation
- **Cast-in Dip Stick Diverters** permit stick gauging at any tank level without damage to internal parts
- **Vertical Slide Float Design** for protection during installation
- **Auto Relatch** prevents premature shut-off
- **Integrated Body Design** suitable for both dual point and coaxial drop tubes - one valve for all applications
- **Shock Relief Valve** incorporated to reduce line shock
- **Viton® O-Rings** at base of valve seals drop tube to valve to protect against leakage



Specifications

Weight: 4.3 lbs.
Diameter: 3.76"
Length: 18.0"

Guide Specification: Two stage overfill prevention valve for use in both dual point and coaxial drop tubes, gravity feed systems. Easily installs in a new or existing drop tube assembly for economical compliance with EPA regulations. Internal float design to eliminate any chance of the floats getting caught on tank walls or the riser pipe as well as to prevent float damage during installation. Stick diverter and automatic spring loaded poppet retract from the flow path when the valve is not in operation, allowing for stick gauging at any tank level. Compatible with all standard fuels. Special variants are available for most bulk chemical applications.

Materials

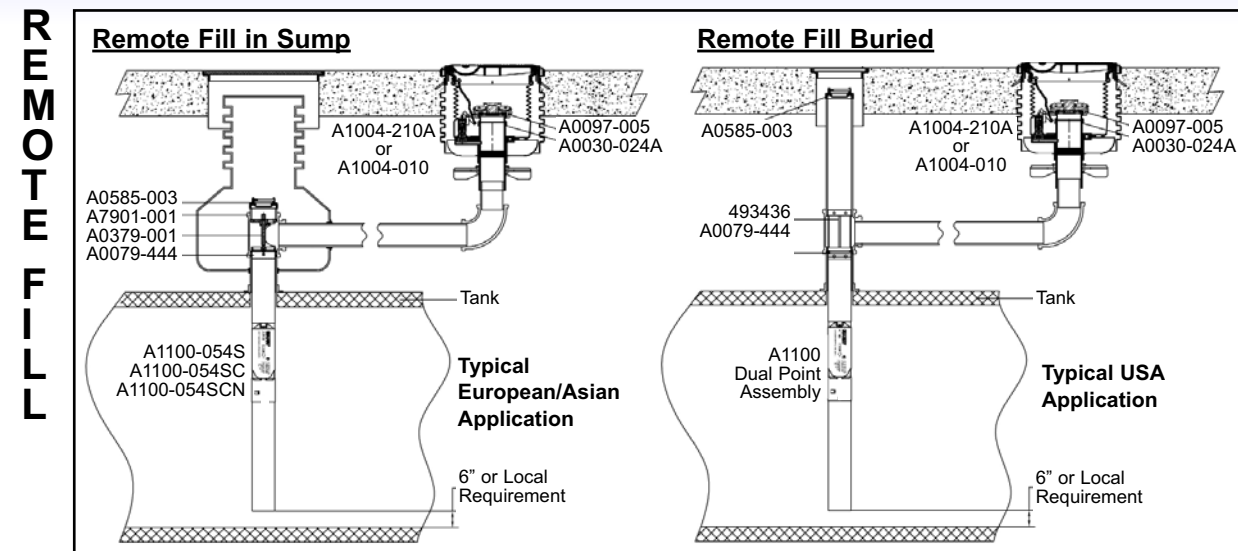
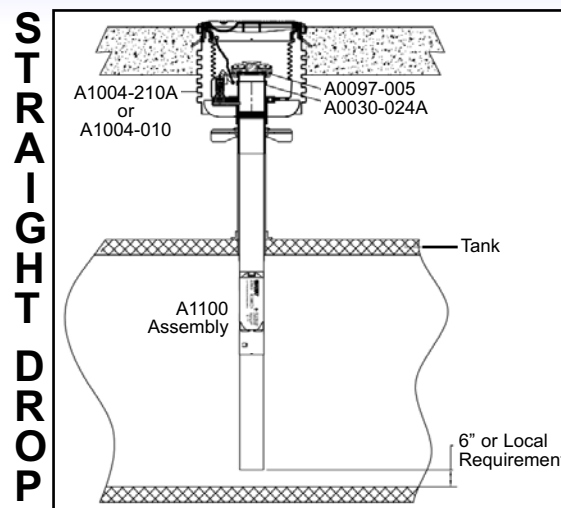
Body: Aluminum
Floats: HDPE
Seals: Viton®

Viton® is a registered trademark of Dupont Dow Elastomers.

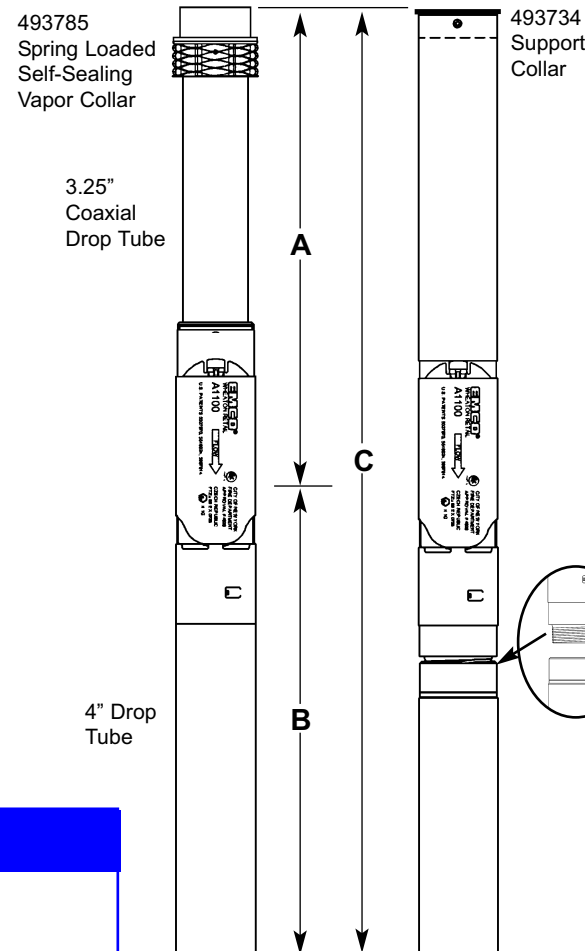
Approvals

CARB #99-8
ULC MH21164
City of New York #4928
City of San Diego
ATEX FTZU98EX0733
Florida DEP EQ-414

Factory Welded Assemblies



Coaxial Self-Sealing Dual Point



All assemblies are factory welded; bottom tube screws to top tube/valve assembly. No Epoxy
*These variants are vapor tight and meet the EPA 40 CFR Part 63 requirements.

566675 Drill Fixture
Aligns holes for drilling to ensure vapor-tight seal



Model No.	Description	Upper Length A	Lower Length B	Overall Length C	Max. Burial Depth	Nominal Tank Dia.	Weight
A1100-010	Valve Only	N/A	N/A	N/A	N/A	N/A	5.2 lbs.
A1100-010E	Valve Only E85	N/A	N/A	N/A	N/A	N/A	5.7 lbs.
A1100-011	Valve Only Remote Fill Export	N/A	N/A	N/A	N/A	N/A	5.0 lbs.
A1100-054S	Remote Fill Export	54"	110"	164"	N/A	N/A	28.5 lbs.
A1100-054SC	Remote Fill w/Cage BSPT Export	54"	110"	164"	N/A	N/A	27.9 lbs.
A1100-054SCN	Remote Fill w/Cage NPT	54"	110"	164"	N/A	N/A	25.0 lbs.
*A1100-055S	Dual Pt Screw Together	77"	92"	169"	6.0'	8'	25.2 lbs.
*A1100-056S	Dual Pt Screw Together	89"	104"	193"	7.0'	10'	27.2 lbs.
*A1100-057S	Dual Pt Screw Together	89"	130"	219"	7.0'	12'	30.3 lbs.
*A1100-058S	Dual Pt Screw Together	127"	130"	257"	10.0'	12'	31.0 lbs.
*A1100EVR-057E	Dual Pt Screw Together EVR E85	89"	130"	219"	7.0'	12'	30.5 lbs.
A1100-065S	Coaxial Screw Together Non-EPA CFR 40	73"	89"	161"	6.0'	8'	21.9 lbs.
A1100-066S	Coaxial Screw Together Non-EPA CFR 40	73"	101"	173"	5.5'	10'	24.7 lbs.
A1100-067S	Coaxial Screw Together Non-EPA CFR 40	73"	127"	199"	5.0'	12'	22.5 lbs.
A1100-067E	Coaxial Screw Together Non-EPA CFR 40 E85	73"	127"	199"	5.0'	12'	22.5 lbs.
*A1100-085S	Coaxial Self-Sealing Screw Together	73"	89"	162"	6.0'	8'	23.0 lbs.
*A1100-086S	Coaxial Self-Sealing Screw Together	73"	101"	174"	5.5'	10'	26.3 lbs.
*A1100-087S	Coaxial Self-Sealing Screw Together	73"	127"	200"	5.0'	12'	28.0 lbs.
*A1100-087E	Coaxial Self-Sealing Screw Together E85	73"	127"	200"	5.0'	12'	28.0 lbs.

The A1100 Overfill Prevention Valve is not recommended for tanks under 6.5' in diameter.

Custom lengths available: Please contact our Customer Service Department. Lengths A and B are measured from the shut-off point (flapper). Maximum burial depth assumes 95% shut-off and 6" clearance between top of drop tube and inside bottom of containment manhole lid.

All OPV systems listed above can be ordered as a package which includes an A0097-005 Tight Fill Cap and an A0030-024AL, A0089-001 or A0096-001 Tight Fill Adapter. To order, place a P at the end of the variant number (Example: A1100-055SP). Dual point assemblies are also available with an A0030-124S Swivel Adapter. To order, place an A at the end of the variant number.