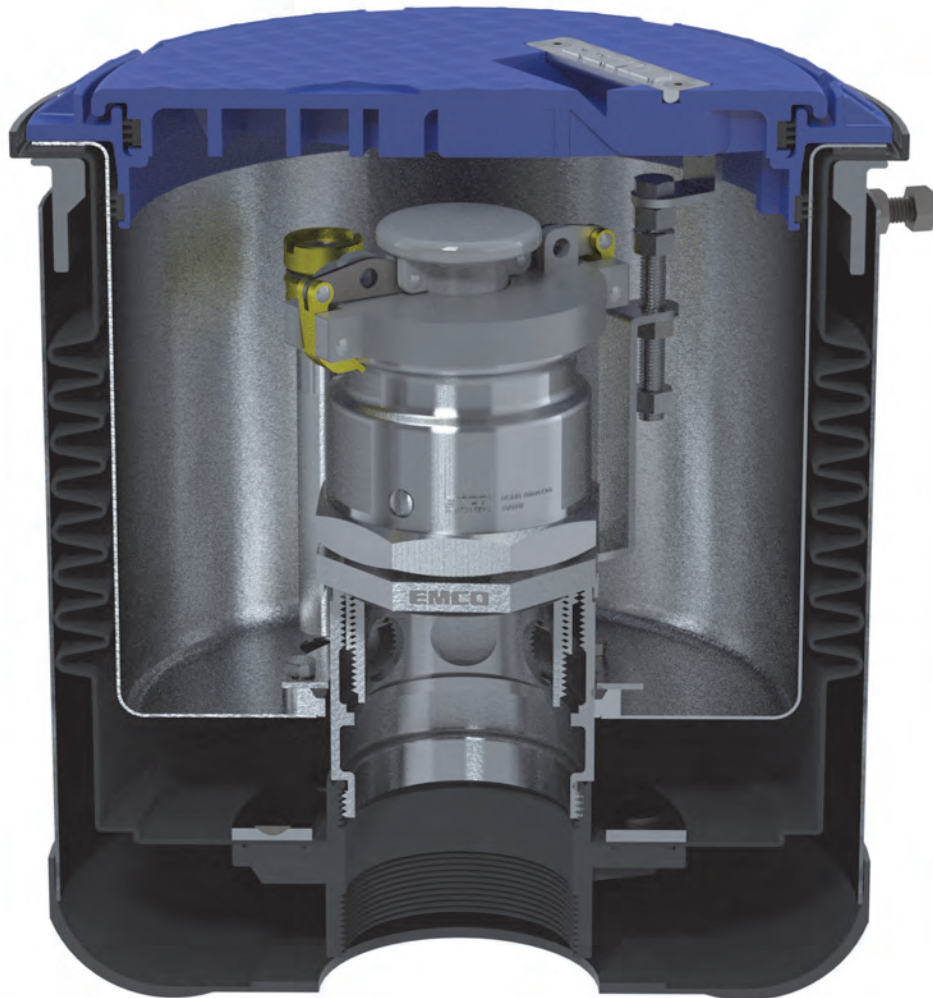




Petroleum Equipment Catalog



Evolution

Underground Storage Tank Equipment

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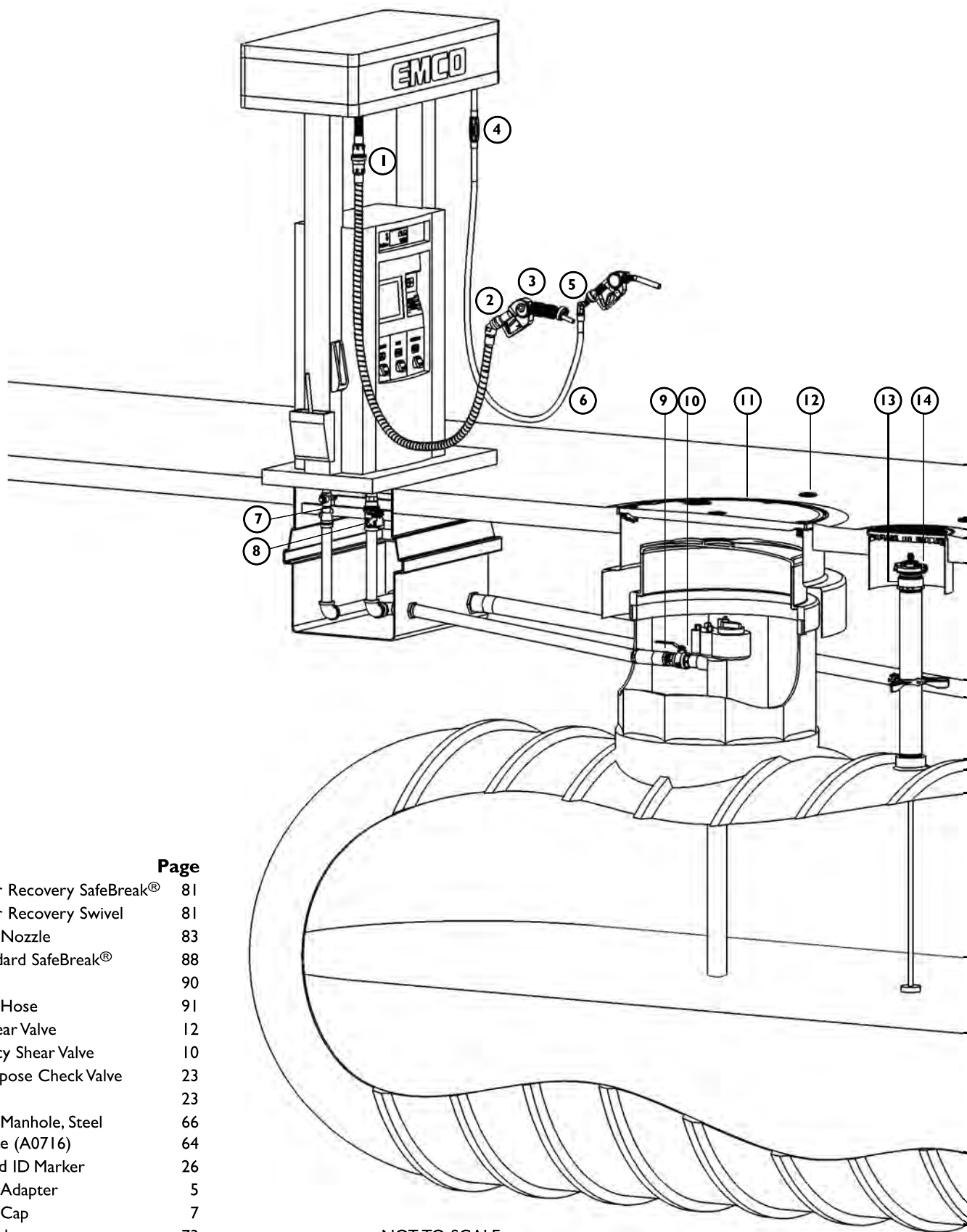
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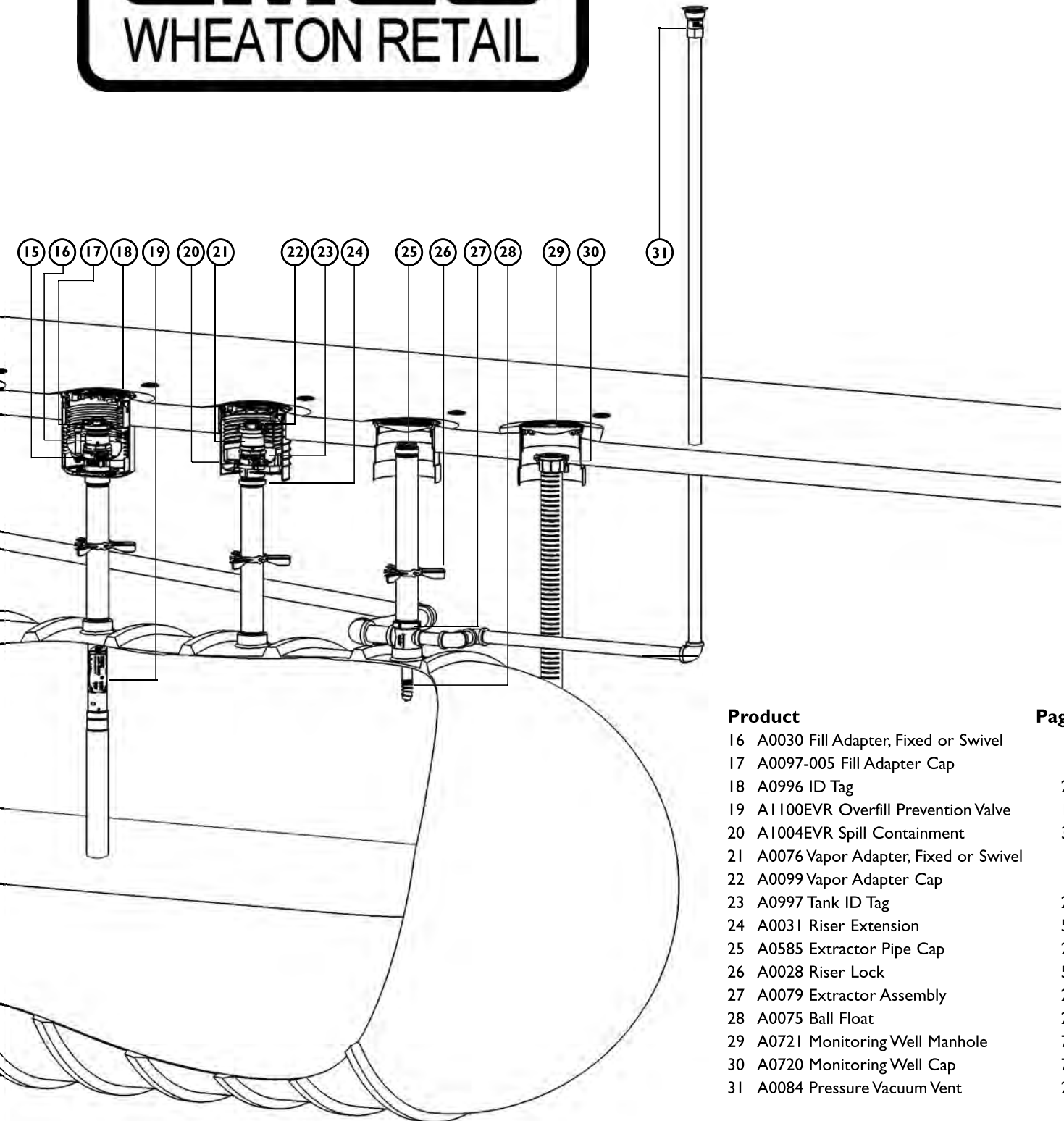


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NOT TO SCALE

EMCO

WHEATON RETAIL



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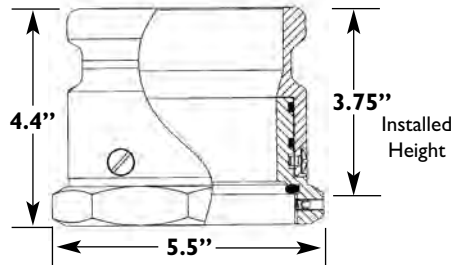
Fill Adapters

A0030-I24S Fill Swivel Adapter

Material

Body: Brass or Stainless Steel
O-rings: Viton®
Gasket: Buna-N

Viton® is a registered trademark of DuPont Dow Elastomers.



The Emco Wheaton A0030-I24S Swivel Fill Adapter typically installs on the tank fill riser. The top of the adapter rotates 360 degrees while the base is stationary, preventing accidental loosening from the riser during fuel deliveries. The A0030-I24S is **field serviceable** using the kits below. Use with the A0097 Fill Cap. Use the Emco Wheaton A0081-001 Adapter Wrench for installation and removal.

■ Complies with EPA 40 CFR Part 63

Model No.	Material	Thread Size	Cam & Groove	Lbs.
*A0030-I24S	Brass	4" Female	4"	8.0
A0030-I24SS	Stainless Steel	4" Female	4"	7.4

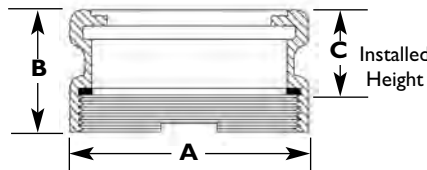


* Phase I EVR E.O.VR-105 569924 Gasket Replacement
494301 O-ring Replacement

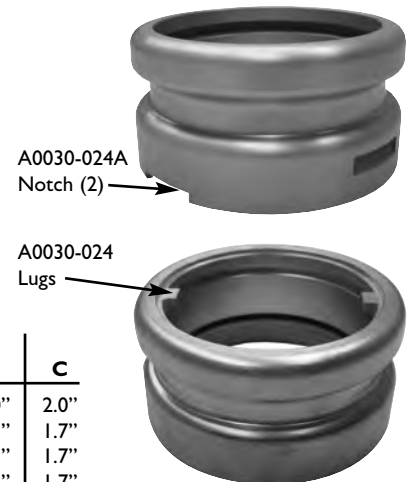
A0030 Fill Adapter

Material

Body: Aluminum or Brass
Gasket: Buna-N



The Emco Wheaton A0030 Adapter is designed for use with conventional dual point fill systems. Features recessed threads for easy installation and positive seating on riser pipes. Use with the A0097 Fill Cap. Notched variants are for use with the A0032-001 Adapter Clamp and comply with EPA 40 CFR Part 63 requirements.



Model No.	Material	Thread Size	Lugs	Notches	Cam & Groove	Lbs.	A	B	C
**A0030-014	Aluminum	4" Female NPSM	No	No	4"	1.8	5.5"	4.0"	2.0"
A0030-024	Brass	4" Female NPSM	Yes	No	4"	2.6	4.9"	2.5"	1.7"
*A0030-024A	Aluminum	4" Female NPSM	No	Yes	4"	1.0	4.9"	2.5"	1.7"
A0030-024BA	Aluminum	4" Female BSPP	Yes	Yes	4"	1.0	4.9"	2.5"	1.7"
A0030-024N	Brass	4" Female NPSM	Yes	Yes	4"	2.6	4.9"	2.5"	1.7"

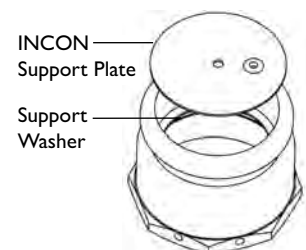
* Most common variant 409628 Gasket Replacement
** Phase I EVR E.O.VR-105

■ CARB E.O. G-70-97-A
ULC Listed MH27242

A0030 Tank Probe Adapter

The Emco Wheaton A0030-014F Tank Probe Adapter is designed for use with the Franklin Fueling INCON Tank Probe. Includes the aluminum body, aluminum support washer and two rubber gaskets. INCON support plate not included.

Model No.	Material	Thread Size	Lugs	Cam & Groove	Lbs.	Outside Dia.	Overall Ht.	Install Ht.
A0030-014F	Aluminum	4" Female NPSM	No	4"	1.9	5.5"	4.0"	2.0"

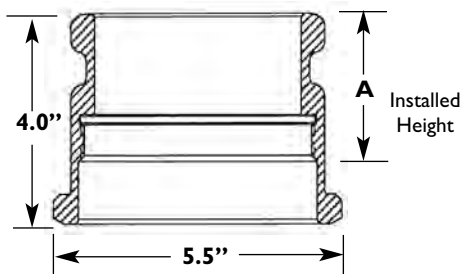


Fill Adapters

A0089, A0096 Coaxial Fill Adapters

Material

Body: Aluminum



Emco Wheaton Coaxial Vapor Recovery Adapters are designed for standard coaxial fill systems and coaxial systems with self-sealing vapor lines. Features recessed threads for easy installation and positive seating on riser pipes. Use with the A0097 Fill Cap. Use Emco Wheaton A0081 Adapter Wrench for installation.

The A0089 and A0096 are notched for use with the A0032-001 Adapter Clamp to comply with EPA 40 CFR Part 63 requirements.

Model No.	Use With	Size	A	Lbs.
A0089-001	A0088 Self-sealing Coaxial Drop Tube	4" Female NPSC	3.0"	1.6
A0089-001E	A0088 Self-sealing Coaxial Drop Tube, E85	4" Female NPSC	3.0"	1.6
A0096-001	A0070 Coaxial Drop Tube	4" Female NPSC	2.5"	1.8

A0032 Adapter Clamp

Material

Body: Aluminum



Installed on pipe nipple with A0030-024A Adapter

The Emco Wheaton A0032-001 Adapter Clamp installs on the riser pipe or pipe nipple. The A0032 is used with the following non-swivel adapters: A0089, A0096, A0030-024A, A0030-024BA and A0076-005. The tabs are aligned with the notches on the adapter, and the three set screws are tightened to prevent the adapter from loosening in use, in compliance with EPA 40 CFR Part 63 requirements.

Model No.	Material	Size	Lbs.
A0032-001	Aluminum	4"	0.7

A0033 Debris Collector

The Emco Wheaton A0033-004 Debris Collector attaches to the bottom of any fill adapter to prevent large debris from entering the underground storage tank. There are no restrictions during a fuel drop, and the center hole allows for fuel sampling.



Installed in A0030-124S Swivel Fill Adapter

Material

Rag Stopper: Stainless Steel

Gasket: Nitrile

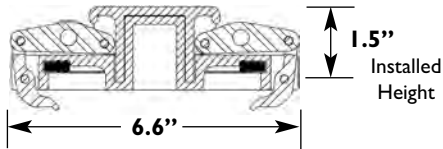
Model No.	Lbs.
A0033-004	0.25

Fill Caps

A0097 Fill Cap

Material

Body: Aluminum
Cams: Brass
Links: Steel
Seal: Buna-N



The Emco Wheaton A0097-005 series Top Seal Fill Cap is designed for use on conventional A0030 or coaxial A0089 and A0096 Adapters. The cap is lockable and features a self-aligning, toggle-action design with center collar to prevent breakage; made of corrosion resistant aluminum.

Model No.	Cam & Groove	Lbs.
A0097-005	4"	1.6

570739 Replacement Gasket

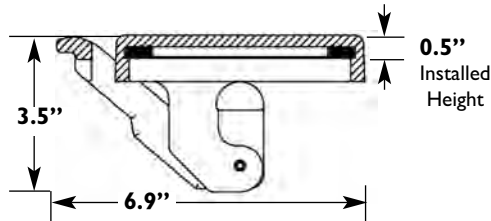


- CARB E.O. G-70-97-A
Approved under Phase I EVR
Executive Order VR-105
Complies with EPA 40 CFR Part 63

A0097-004LP Low Profile Fill Cap

Material

Body: Aluminum
Lever: Ductile Iron
Gasket: Buna-N



The A0097-004LP Low Profile Fill Cap is designed for use when there is limited space between the top of the adapter and the spill containment lid. The cap is painted gray.

Model No.	Cam & Groove	Lbs.
A0097-004LP	4"	3.5

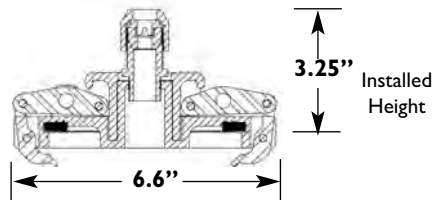
570739 Replacement Gasket

- Approved under Phase I EVR
Executive Order VR-105

A0097-010 Tank Gauge Cap

Material

Body: Aluminum
Cams: Brass
Links: Steel
Seal: Buna-N



The A0097-010 Tank Gauge Cap has the same features of the A0097-005 Fill Cap and is designed with a grommet to allow a cable to pass through the cap. The A0097-010 comes with two sizes of leak tight connector nut fittings: .125"-.375" and .190"-.250".

Model No.	Cam & Groove	Lbs.
A0097-010	4" For Tank Probe	1.7

570739 Replacement Gasket

A0097-010A
Includes A0097-010 Tank Gauge
Cap and A0030-014 Adapter



- Approved under Phase I EVR
Executive Order VR-105

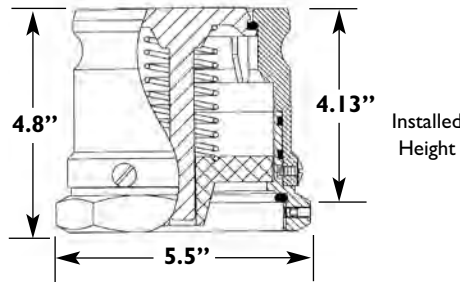
Vapor Adapters

A0076-124S Vapor Swivel Adapter

Material

Body: Brass or Stainless Steel
 O-rings: Viton®
 Gasket: Buna-N

Viton® is a registered trademark of DuPont Dow Elastomers.



Brass

Stainless Steel

■ Complies with EPA 40 CFR Part 63

The Emco Wheaton A0076-124S Vapor Swivel Adapter typically installs on the tank vapor riser. The top of the adapter rotates 360 degrees while the base is stationary, preventing accidental loosening from the riser during fuel deliveries. A normally closed poppet valve opens to recover the vapor. The A0076-124S is **field serviceable** using the kits below. Use with the A0099-002 Vapor Cap. Use the Emco Wheaton A0081-001 Adapter Wrench for installation and removal.

Model No.	Material	Thread Size	Cam & Groove	Lbs.
*A0076-124S	Brass	4" Female	4"	8.8
A0076-124SS	Stainless Steel	4" Female	4"	8.2

* Phase I EVR E.O. VR-105

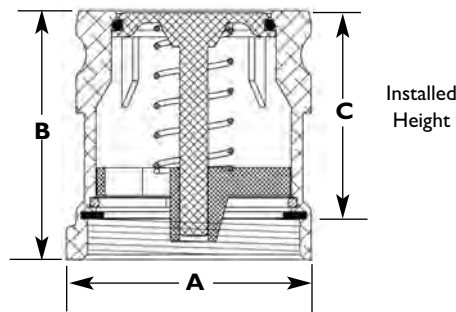
569924 Gasket Replacement
 494301 O-ring Replacement



A0076 Vapor Adapter

Material

Body: Aluminum
 Gasket: Buna-N



The Emco Wheaton A0076 Vapor Adapter is used in dual point fill systems on the vapor return line. It features a poppet design which seals off the vapor path and external lugs on the adapter body for easy installation. Use with the A0099-002 Vapor Cap.

■ CARB E.O. G-70-97-A
 ULC Listed MH27242

Model No.	Thread Size	Cam & Groove	Lbs.	A	B	C
A0076-002	3" Female NPSM	4"	2.9	4.0"	5.6"	5.0"
* A0076-005	4" Female NPSM	4"	3.1	4.7"	5.0"	4.2"
A0076-009	3" Female BSPP	4"	2.1	4.0"	5.6"	5.0"

*Most common variant

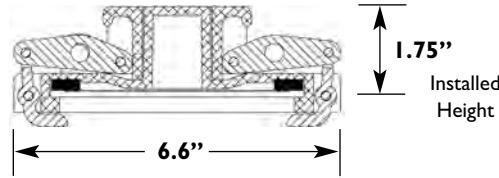
569924 Gasket for A0076-005

Vapor Caps

A0099 Vapor Adapter Cap

Material

Body: Aluminum
 Cams: Brass
 Links: Steel
 Seal: Buna-N



■ CARB E.O. G-70-97-A
 Approved under Phase I EVR
 Executive Order VR-105
 Complies with EPA 40 CFR Part 63

The Emco Wheaton A0099-002/003 Vapor Adapter Cap features a cam system designed for Stage I vapor recovery dual point systems. The cap is lockable and features a self-aligning, toggle-action design with center collar to prevent breakage. The A0099 is made of corrosion resistant aluminum, powdered coated orange for vapor line identification.

Model No.	Cam & Groove	Lbs.
A0099-002	4"	1.4.
A0099-003	4" w/chain	1.8.

570739 Replacement Gasket



A0099-001 TEST Vapor Test Cap

The A0099-001 TEST Vapor Test Cap is used when performing a pressure decay test. The cap incorporates the same features as the A0099-002 Vapor Cap. The extended tube underneath the cap opens the poppet on the vapor adapter. Pressure is injected through the Schrader valve, and a gauge can be connected to the barbed fitting.

Model No.	Cam & Groove	Lbs.
A0099-002	4"	1.4.

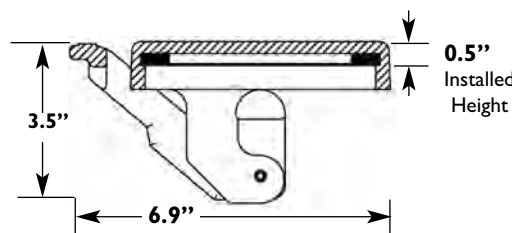
570739 Replacement Gasket



A0099-004LP Low Profile Vapor Adapter Cap

Material

Body: Aluminum
 Lever: Ductile Iron
 Gasket: Buna-N



■ Approved under Phase I EVR
 Executive Order VR-105

The A0099-004LP Low Profile Cap is designed for use when there is limited space between the top of the adapter and the spill containment lid. The cap is painted orange for vapor line identification.

Model No.	Cam & Groove	Lbs.
A0099-004LP	4"	3.5

570739 Replacement Gasket

Emergency Shear Valves

A0060 Underpump Emergency Valve

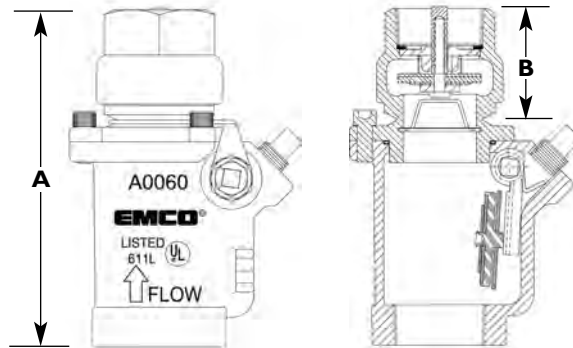
Material

Body: Cast Iron or Stainless Steel

Spring: Stainless Steel

Seal: Viton®

Viton® is a registered trademark of DuPont Dow Elastomers.



Available with Stainless Steel Body and Top for E85, DEF, ULSD, & Biodiesel Blends up to B100

The Emco Wheaton A0060 Emergency Shear Valve incorporates a replaceable shear section and a heat sensitive fusible link assembly. The valve can be manually operated to facilitate dispenser maintenance and incorporates a 3/8" test port. The closing poppet assembly is positioned out of the fuel flow path to minimize pressure drop. The A0060 utilizes a standard three boss mounting arrangement. Available in single or double poppet variants.

■ UL Listed MH6518
ATEX FTZU14ATEX0204

Model No. Cast Iron	Model No. Stainless Steel	Description	Inlet	Outlet	Cast Iron Lbs.	SST Lbs.	A	B
A0060-002	A0060-002S	1 1/2" Single Poppet	Female	Male	5.7	6.4	6.9"	2.2"
* A0060-003	A0060-003S	1 1/2" Single Poppet	Female	Female	5.6	6.3	6.7"	1.7"
A0060-015	A0060-015S	1 1/2" Single Poppet	Female BSPT	Male BSPT	5.7	6.4	7.9"	3.2"
A0060-016	A0060-016S	1 1/2" Single Poppet	Female BSPT	Female BSPT	5.6	6.3	6.9"	2.2"
A0060-022	A0060-022S	1 1/2" Double Poppet	Female	Male	5.8	6.7	7.9"	3.2"
* A0060-023	A0060-023S	1 1/2" Double Poppet	Female	Female	5.7	6.4	6.9"	2.2"
A0060-025	A0060-025S	1 1/2" Double Poppet	Female BSPT	Male BSPT	5.8	6.7	7.9"	3.2"
A0060-026	A0060-026S	1 1/2" Double Poppet	Female BSPT	Female BSPT	5.7	6.4	6.9"	2.2"

*Most common variant

Replacement Parts

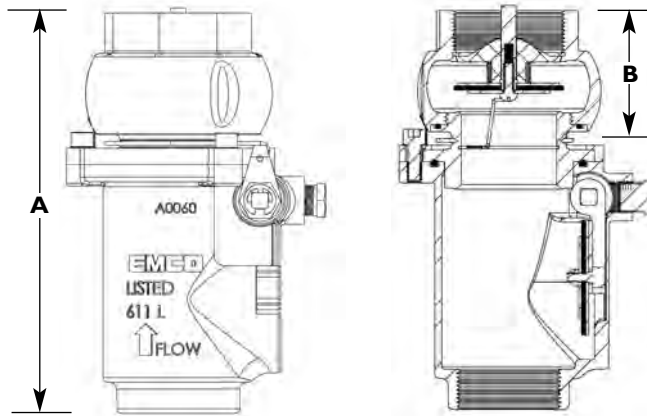
Part No. Cast Iron	Part No. Stainless Steel	Description	Outlet	Cast Iron Lbs.	SST Lbs.
492938	492938S	1 1/2" Replacement Top; 1 Poppet	Male	2.2	2.5
492939	492939S	1 1/2" Replacement Top; 1 Poppet	Female	2.3	2.6
493885	493885S	1 1/2" Replacement Top; 1 Poppet	Female BSPT	1.4	1.6
493886	493886S	1 1/2" Replacement Top; 1 Poppet	Male BSPT	1.6	1.8
493887	493887S	1 1/2" Replacement Top; 2 Poppets	Male	2.7	3.0
493888	493888S	1 1/2" Replacement Top; 2 Poppets	Female	2.7	3.0
493889	493889S	1 1/2" Replacement Top; 2 Poppets	Male BSPT	1.6	1.8
493890	493890S	1 1/2" Replacement Top; 2 Poppets	Female BSPT	1.6	1.8
492963K		Fusible Link Kit		0.2	
564036		Control Arm			
A0065-001		A0060 Stabilizer Bar Mounting Kit		3.8	

Emergency Shear Valves

A0060 2" Stainless Steel Emergency Valve

Material

Body: Stainless Steel
Spring: Stainless Steel
Seal: Nitrile



The Emco Wheaton A0060 2" emergency shear valve incorporates a stainless steel design, compatible with all gasoline/alcohol blends up to E15, Ultra Low Sulfur Diesel and biodiesel blends up to B100. It is designed for installation under gasoline or diesel dispensing units. The valve incorporates a replaceable shear section and a heat sensitive fusible link assembly. The A0060 can be manually operated to facilitate dispenser maintenance and incorporates a 3/8" test port. The closing poppet assembly is positioned out of the fuel flow path to minimize pressure drop. The valve utilizes a standard three boss mounting arrangement; mounting bolts included. Single and double poppet variants available.

Model No.	Description	Inlet	Outlet	Lbs.	A	B
A0060-202S	2" Single Poppet NPT	Female	Male	7.5	9.7"	4.0"
A0060-203S	2" Single Poppet NPT	Female	Female	7.1	8.4"	2.7"
A0060-222S	2" Double Poppet NPT	Female	Male	7.7	9.7"	4.0"
A0060-223S	2" Double Poppet NPT	Female	Female	7.5	8.4"	2.7"
A0060-215S	2" Single Poppet BSPT	Female	Male	7.5	9.7"	4.0"
A0060-216S	2" Single Poppet BSPT	Female	Female	7.1	8.4"	2.7"
A0060-225S	2" Double Poppet BSPT	Female	Male	7.7	9.7"	4.0"
A0060-226S	2" Double Poppet BSPT	Female	Female	7.5	8.4"	2.7"

Replacement Parts

Part No.	Description	Outlet	Lbs.
495651	2" Replacement Top; 1 Poppet NPT	Male	3.1
495650	2" Replacement Top; 1 Poppet NPT	Female	2.7
495649	2" Replacement Top; 2 Poppet NPT	Male	3.3
495657	2" Replacement Top; 2 Poppet NPT	Female	2.9
495668	2" Replacement Top; 1 Poppet BSPT	Male	3.1
495669	2" Replacement Top; 1 Poppet BSPT	Female	2.7
495670	2" Replacement Top; 2 Poppet BSPT	Male	3.3
495671	2" Replacement Top; 2 Poppet BSPT	Female	2.9
492963K	Fusible Link Kit		0.2
572417	Control Arm		
A0065-001	A0060 Stabilizer Bar Mounting Kit		3.8

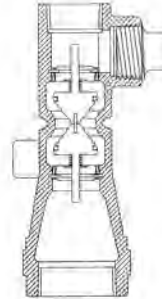
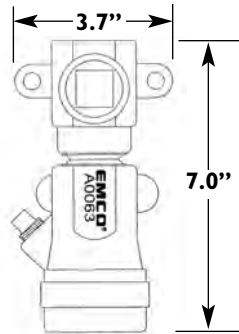
Emergency Shear Valves

A0063EVR Vapor Shear Valve

Material

Body: Cast Iron
 Spring: Stainless Steel
 Seal: Viton®

Viton® is a registered trademark of DuPont Dow Elastomers.



The Emco Wheaton A0063EVR Vapor Shear Valve installs on vapor recovery lines under the dispenser to eliminate the escape of vapors in the event of a collision to the dispenser. The double poppet valve incorporates a 1.5" female NPT connection to the underground piping and a 1" female NPT connection to dispenser piping. The valve incorporates a 3/8" test port. The A0063EVR is approved for use with all CARB certified pre-EVR and EVR Phase II vapor recovery systems. Includes 5 anchoring bolts, washers and nuts. Does not include plate or U-bolts. If required, order the A0065-001 Mounting Kit, below.

■ ULC Listed MH10206

Model No.	Description	Inlet	Outlet	Lbs.
A0063EVR-024	1 1/2" Double Poppet	Female	Female	5.2

A0065 Mounting Kit

The Emco Wheaton A0065-001 Mounting Kit is used to mount the A0060 and A0063 to the dispenser pan stabilizer bar. The kit includes 2 U-bolts, 4 lock washers, 4 hex nuts, 3 flat head cap screws and mounting plate. Weighs 3.8 lbs.

To order the A0065 Mounting Kit with the A0060 Shear Valve, replace the first digit of the variant number with a 1. Example: A0060-102, single poppet male with mounting kit.



495645 Mounting Kit

The Emco Wheaton 495645 Mounting Kit is used to mount the A0060 directly to the Unistrut™. The kit includes 1 mounting bracket, 3 flat head cap screws, 2 bolts and 2 Unistrut™ channel nuts. Weighs 1.3 lbs.

Unistrut™ is a trademark of Unistrut Corporation



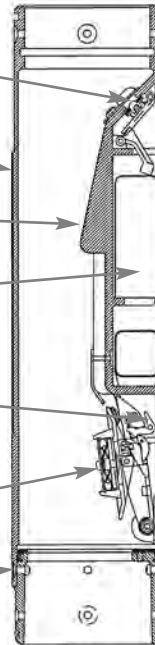
Overfill Prevention Valve

AI100 Guardian Overfill Prevention Valve

The Emco Wheaton AI100 is a 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.



- **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



Material

Body: Aluminum
 Floats: HDPE
 Seals: Viton®

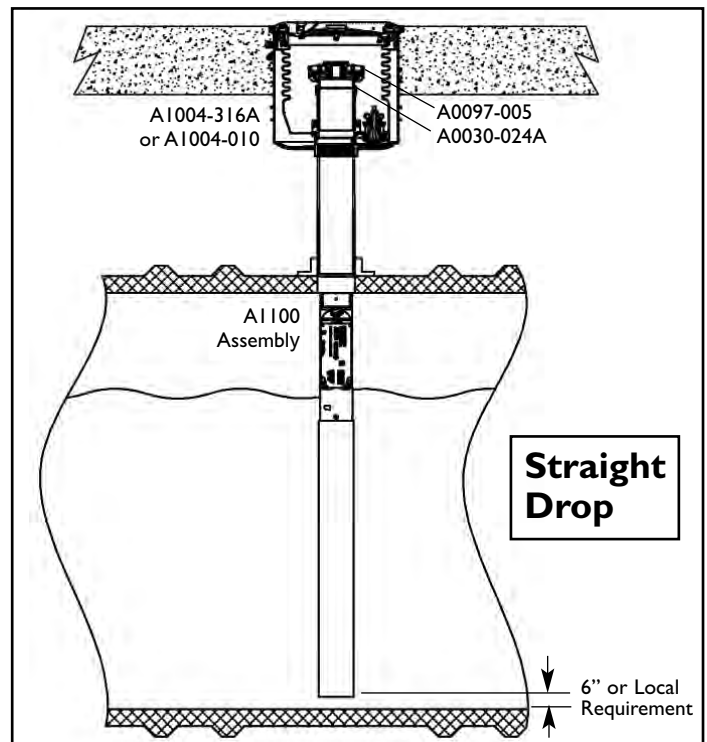
Viton® is a registered trademark of Dupont Dow Elastomers.

Specifications

Weight: 5.2 lbs.
 Diameter: 3.76"
 Length: 18.0"

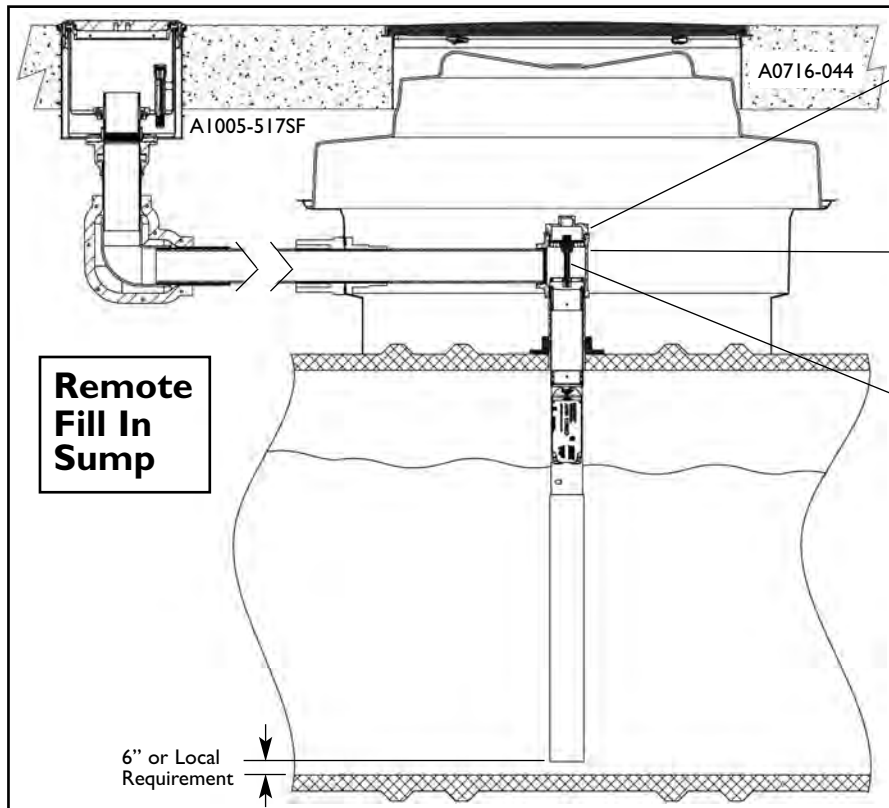
Approvals

CARB Approval	99-8
ULC	MH21164
ATEX	FTZU98EX0733
Florida DEP	EQ-414



Overfill Prevention Valve

AI100 Guardian Overfill Prevention Systems



AI100-056SRFK
Overfill Prevention Valve
w/Remote Fill Kit - Includes:

A7900-004H
4" NPSM Male Pipe
Plug without O-ring



A0079-444
Tee 4"x4"x4"

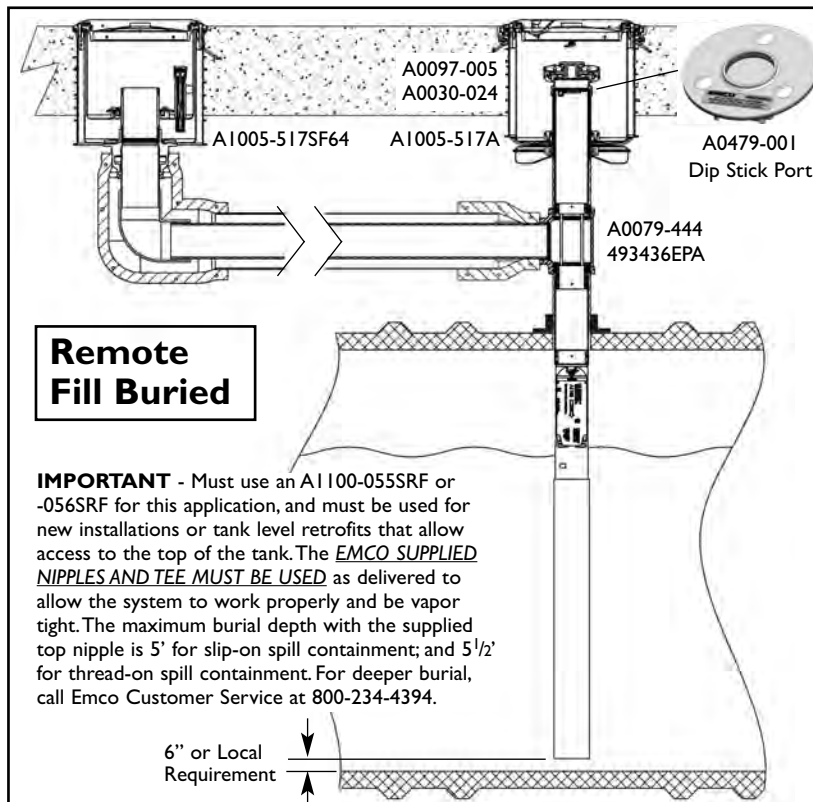
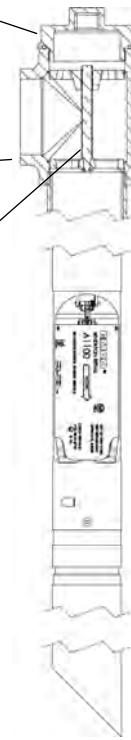


A0379-001
Remote Fill Cage
Adjustable NPSM



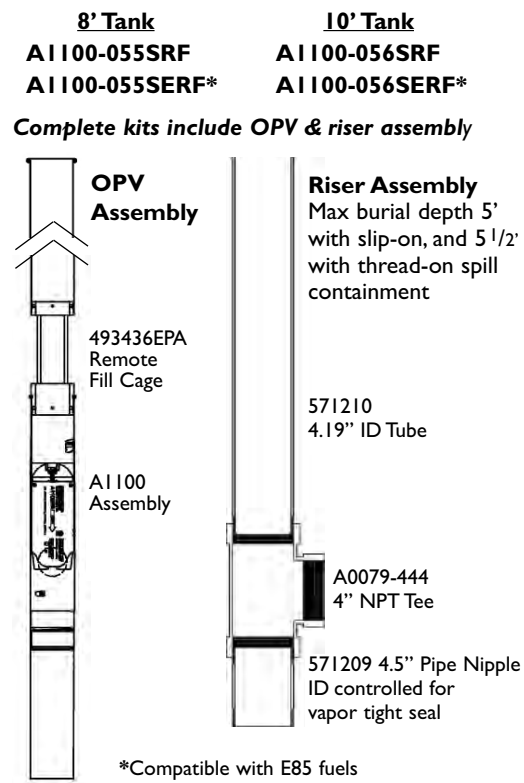
A0081-006JP
Remote Fill Piping
Test Assembly

AI100-056S
Vapor Tight
OPV



**Remote
Fill Buried**

IMPORTANT - Must use an AI100-055SRF or -056SRF for this application, and must be used for new installations or tank level retrofits that allow access to the top of the tank. The **EMCO SUPPLIED NIPPLES AND TEE MUST BE USED** as delivered to allow the system to work properly and be vapor tight. The maximum burial depth with the supplied top nipple is 5' for slip-on spill containment; and 5 1/2' for thread-on spill containment. For deeper burial, call Emco Customer Service at 800-234-4394.



8' Tank
AI100-055SRF
AI100-055SERF*
10' Tank
AI100-056SRF
AI100-056SERF*
Complete kits include OPV & riser assembly

**OPV
Assembly**

Riser Assembly
Max burial depth 5'
with slip-on, and 5 1/2'
with thread-on spill
containment

*Compatible with E85 fuels

Overfill Prevention Valve

AI100 Guardian Dual Point Overfill Prevention Systems

All assemblies are factory welded; bottom tube screws to top tube/valve assembly.

No Epoxy

Assemblies are vapor tight and meet the EPA 40 CFR Part 63 requirements.

All standard AI100 variants are acceptable for use with up to E25 ethanol blend gasoline and B20 Biodiesel blends. Higher percentage ethanol or biodiesel require use of the "E" variant.

Available with anodized top tube** (champagne color for easy identification), to prevent corrosion build-up between tube and riser pipe.

Model No.	Description
493192	Kit, Assembly Valve to Tube
493436	Remote Fill Kit
493734S	Support Collar
566675	Drill Fixture
571814	Drill Fixture, Remote Fill Assemblies
A0379-001	Remote Fill Cage Adjustable NPSM
A0379-101	Remote Fill Cage Adjustable BSPP

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



571814 Drill Fixture
For remote fill applications



493734S
Support
Collar

95% Fill
Mark



Top and bottom tube assemblies can be purchased separately:

Top tube assemblies include upper tube and valve assembly.

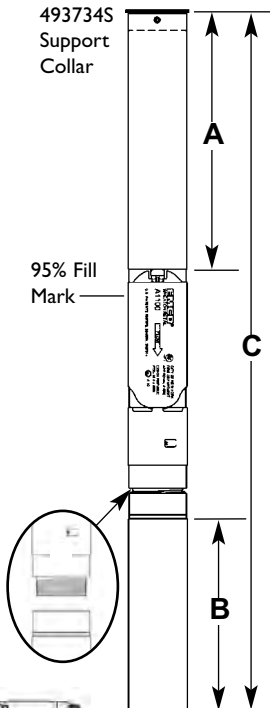
Bottom tube assemblies include lower tube and bushing assembly.

Model No.	Description	Length
AI100EVR-055ST	Top Tube Assembly	85"
AI100EVR-056ST	Top Tube Assembly	97"
AI100EVR-057ST	Top Tube Assembly	97"
AI100EVR-058ST	Top Tube Assembly	135"
494406A	Bottom Tube Assembly	83"
494441A	Bottom Tube Assembly	95"
494341A	Bottom Tube Assembly	121"

Top Tube Assembly



Bottom Tube Assembly



Model No.	Description	Maximum			Max. Burial Depth	Nominal Tank Dia.	Lbs.
		Upper Tube Length A	Lower Tube Length B	Overall Length C			
AI100-010	Valve Only	N/A	N/A	N/A	N/A	N/A	5.2
AI100-010E	Valve Only E85	N/A	N/A	N/A	N/A	N/A	5.7
AI100-011	Valve Only Remote Fill	N/A	N/A	N/A	N/A	N/A	5.0
AI100-054S	Remote Fill Export	47"	99"	161"	N/A	N/A	28.5
AI100-054SC	Remote Fill w/Cage BSPT	47"	99"	161"	N/A	N/A	27.9
AI100-054SCN	Remote Fill w/Cage NPT	47"	99"	161"	N/A	N/A	25.0
AI100-055SRF	Remote Fill Kit, Buried	70"	82"	175"	4.0***	8.0'	64.3
AI100-056SRF	Remote Fill Kit, Buried	82"	94"	199"	4.0***	10.0'	66.5
AI100-056SRFK	Remote Fill Kit, Sump	82"	94"	191"	--	10.0'	40.7
AI100-053S	Dual Pt Screw Together	58"	49"	122"	5.0'	6.5'	22.1
* AI100EVR-055	Dual Pt Screw Together	70"	82"	167"	6.0'	8.0'	25.2
* AI100EVR-056	Dual Pt Screw Together	82"	94"	191"	7.0'	10.0'	27.2
** AI100EVR-056CF	Dual Pt Screw Together	82"	94"	191"	7.0'	10.0'	27.2
* AI100EVR-057	Dual Pt Screw Together	82"	120"	217"	6.8'	12.0'	30.3
AI100EVR-057E	Dual Pt Screw Together E85	82"	120"	217"	6.8'	12.0'	30.5
* AI100EVR-058	Dual Pt Screw Together	120"	120"	255"	10.0'	12.0'	31.0
** AI100EVR-058CF	Dual Pt Screw Together	120"	120"	255"	10.0'	12.0'	31.0

The AI100 Overfill Prevention Valve is not recommended for tanks under 6.5' in diameter.

Maximum burial depth assumes 95% shut-off and 6" clearance between top of drop tube and inside bottom of containment manhole lid.

* Phase I EVR E.O.VR-105

** Anodized top tube

*** **SRF variants are designed for precise burial depth of 46"-54"; tank top access required.** For additional applications and installation instructions, call Customer Service at 800-234-4394.

OPV systems can be ordered as a package with a fill cap and fill adapter. Contact Customer Service for ordering information. Custom lengths available.

Overfill Prevention Valve

AI100 Testable Overfill Prevention Systems

Emco's new AI100-T Testable Overfill Prevention Valve allows for quick and easy testing without removing the valve from the tank riser. Simply use the A0081-1100 Testing Rod to depress the test button installed on the valve, and shine a light inside the valve - if the reflective tape is visible, the valve is operational.

The testable AI100-T OPV uses the same proven technology as the AI100 OPV Series. Assemblies are factory welded and 100% factory tested. Bottom tube screws to top tube/valve assembly - No Epoxy. This saves time in the field and assures a vapor tight assembly to meet the EPA 40 CFR Part 63 requirements.

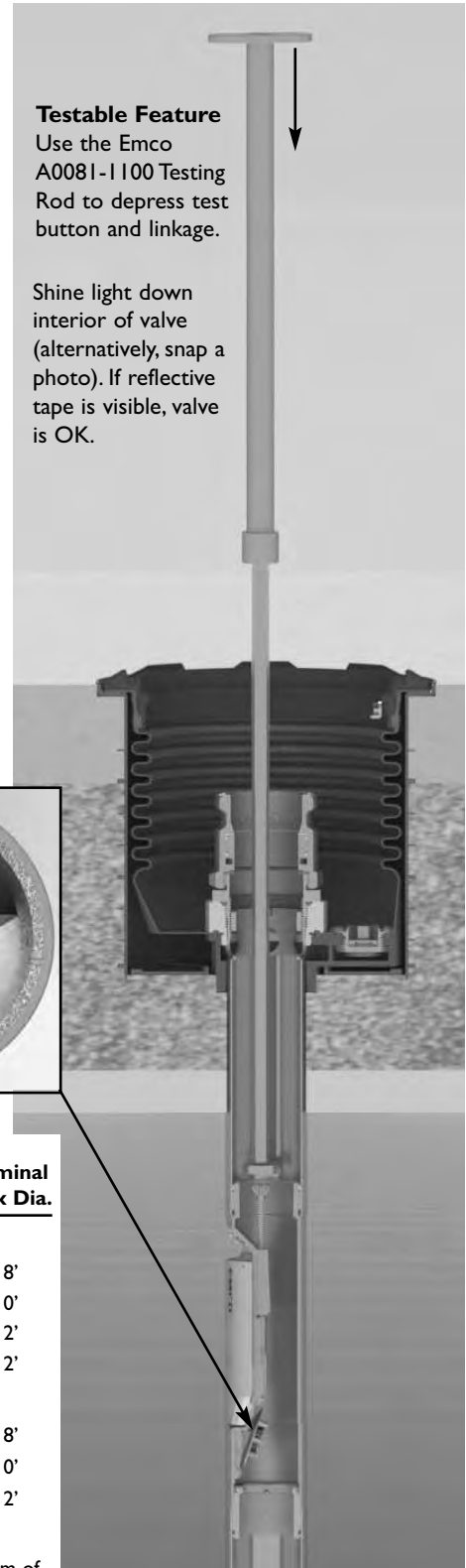


Valve in Nominal Position Valve in Pressed Position



Testable Feature
Use the Emco A0081-1100 Testing Rod to depress test button and linkage.

Shine light down interior of valve (alternatively, snap a photo). If reflective tape is visible, valve is OK.



Model No.	Description	Top Tube Length A	Bottom Tube Length B	Overall Length C	Max. Burial Depth	Nominal Tank Dia.
Dual Point						
AI100EVR-055T	Testable Vapor-Tight OPV	70"	82"	167"	6.0'	8'
AI100EVR-056T	Testable Vapor-Tight OPV	82"	92"	191"	7.0'	10'
AI100EVR-057T	Testable Vapor-Tight OPV	82"	120"	217"	6.8'	12'
AI100EVR-058T	Testable Vapor-Tight OPV	120"	120"	255"	10.0'	12'
Coaxial - Self-Sealing (Adapter & cap included)						
AI100-085TP	Testable Vapor-Tight OPV	65"	82"	162"	5.4'	8'
AI100-086TP	Testable Vapor-Tight OPV	65"	94"	174"	5.3'	10'
AI100-087TP	Testable Vapor-Tight OPV	65"	120"	200"	5.1'	12'

The AI100 Overfill Prevention Valve is not recommended for tanks under 6.5' in diameter.

Maximum burial depth assumes 95% shut-off and 6" clearance between top of drop tube and inside bottom of containment manhole lid.

Overfill Prevention Valve

AI100 Guardian Coaxial Overfill Prevention Systems

The Emco AI100-08X assemblies are factory welded; bottom tube screws to top tube/valve assembly. No Epoxy.

The AI100-08X assemblies are vapor tight. These series meet the EPA 40 CFR Part 63 requirements and will pass the Pressure Decay Test (CARB TP201).

Note: must be used with the Emco A0089-001 Fill Adapter.

All standard AI100 variants are acceptable for use with up to E25 ethanol blend gasoline and B20 Biodiesel blends. Higher percentage ethanol or biodiesel require use of the "E" variant.

AI100 coaxial assemblies are not compatible with the Emco 494096 Riser Seal.

Accessories:

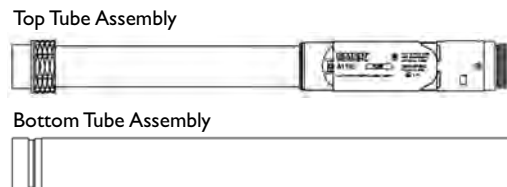
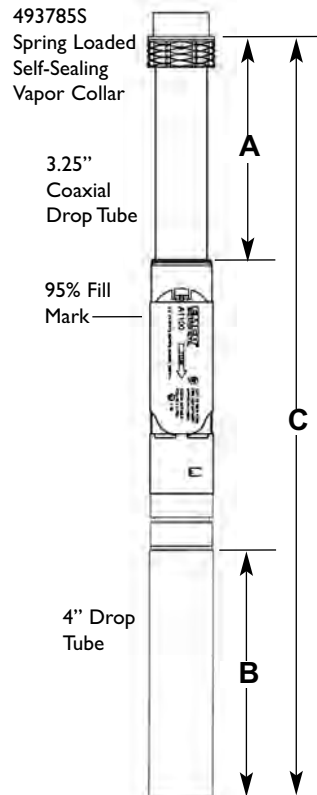
Model No.	Description
493785S	Spring-loaded Self-sealing Vapor Collar
A0089-001	Fill Adapter for AI100-08X Series
A0089-001E	Fill Adapter for AI100-08X Series E85
A0096-001	Fill Adapter for AI100-06X Series

Top and bottom tube assemblies can be purchased separately:

Top tube assemblies include upper tube and valve assembly.

Bottom tube assemblies include lower tube and bushing assembly.

Model No.	Description	Length
AI100-065ST	Top Tube Assembly	80"
AI100-066ST	Top Tube Assembly	80"
AI100-067ST	Top Tube Assembly	80"
AI100-085ST	Top Tube Assembly	80"
AI100-086ST	Top Tube Assembly </td <td>80"</td>	80"
AI100-087ST	Top Tube Assembly	80"
494406A	Bottom Tube Assembly	83"
494441A	Bottom Tube Assembly	95"
494341A	Bottom Tube Assembly	121"



Coaxial Self-Sealing



Model No.	Description	Upper Tube Length A	Lower Tube Length B	Overall Tube Length C	Max. Burial Depth	Nominal Tank Dia.	Lbs.
* AI100-065S	Coaxial Screw Together	65"	82"	162"	5.6'	8'	21.9
* AI100-066S	Coaxial Screw Together	65"	94"	174"	5.5'	10'	24.7
* AI100-067S	Coaxial Screw Together	65"	120"	200"	5.3'	12'	22.5
AI100-085S	Coaxial Self-Sealing Screw Together	65"	82"	162"	5.4'	8'	23.0
* AI100-085SP	Coaxial Self-Sealing Screw Together	65"	82"	162"	5.4'	8'	23.0
AI100-086S	Coaxial Self-Sealing Screw Together	65"	94"	174"	5.3'	10'	26.3
* AI100-086SP	Coaxial Self-Sealing Screw Together	65"	94"	174"	5.3'	10'	26.3
AI100-087S	Coaxial Self-Sealing Screw Together	65"	120"	200"	5.1'	12'	28.0
* AI100-087SP	Coaxial Self-Sealing Screw Together	65"	120"	200"	5.1'	12'	28.0
AI100-087E	Coaxial Self-Sealing Screw Together E85	65"	120"	200"	5.1'	12'	28.0

The AI100 Overfill Prevention Valve is not recommended for tanks under 6.5' in diameter.

Custom lengths available. Contact Customer Service at 800-234-4394 for ordering information.

Maximum burial depth assumes 95% shut-off and 6" clearance between top of drop tube and inside bottom of containment manhole lid.

* The AI100-06x series are non-poppeted and will not pass the pressure decay test. The -06X series must be used with the Emco A0096-001 Fill Adapter.

** P variants include an A0097-005 Fill Cap and A0089-001 Fill Adapter.

Drop Tubes

A0020 Drop Tube

The Emco Wheaton A0020 Drop Tube is designed for use in both conventional non-vapor recovery and dual point vapor recovery systems. Emco drop tubes are a full .05" thick for added strength and to reduce shipping damage. Tube I.D. is 3.815"; O.D. is 3.915". Custom lengths are available upon request.

Material

Tube: Aluminum

O-ring: Viton®

Viton® is a registered trademark of DuPont Dow Elastomers.

■ CARB Executive Order G-70-97-A

Model No.	Size	Length	Lbs.
Rolled Edge Collar			
*A0020EVR-004	4"	12'	13.0
*A0020EVR-005	4"	15'	16.1
*A0020EVR-007	4"	17'	18.2
*A0020EVR-008	4"	14'	14.0
*A0020EVR-021	4"	21'	22.3
A0020-004E (E85)	4"	12'	13.0
A0020-005E (E85)	4"	15'	16.1
A0020-007E (E85)	4"	17'	18.2
A0020-133 (Includes Handle)	4"	10'	11.0
A0020-144 (Includes Handle)	4"	12'	13.0
Heavy Duty Collar			
*A0020EVRC-004	4"	12'	13.7
*A0020EVRC-005	4"	15'	16.8
*A0020EVRC-007	4"	17'	18.9
*A0020EVRC-008	4"	14'	14.7
*A0020EVRC-021	4"	21'	23.0

*Phase I EVR E.O.VR-105

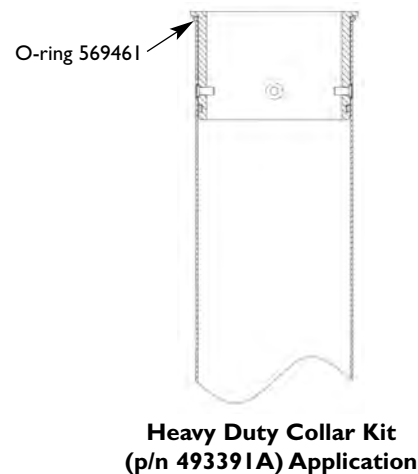
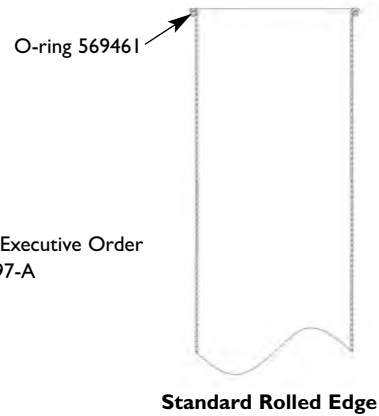
Model No.	Description	Lbs.
493391	Riser Collar Kit w/ Handle	2.0
493391A	Riser Collar Kit	2.0
569461	Collar O-ring	



493391
Riser Collar Kit
Includes Handle



493391A
Riser Collar Kit



Drop Tubes

A0070/A0088 Coaxial Drop Tubes

The Emco Wheaton A0070 Drop Tube is used for coaxial fill systems. The A0070 is not self-sealing. The tube design is narrow at the top but flares out to a standard tube size in the middle.

Emco Wheaton's exclusive A0088 Drop Tube is used in coaxial fill systems to provide a self-sealing vapor line. The spring-loaded assembly secures the tube against the adapter during normal storage.

Custom lengths are available upon request.

Material

Tube: Aluminum

Model No.	Size	I.D.	O.D.	Length	Lbs.
A0070-101	4"	3.815"	3.915"	12'	12.3
A0070-116	4"	3.815"	3.915"	16'	15.9
A0088-101	4"	3.815"	3.915"	12'	12.4
A0088-101A*	4"	3.815"	3.915"	12'	14.0
A0088-116	4"	3.815"	3.915"	16'	16.0

*Includes A0089-001 Fill Adapter

	A0070	A0088
Coax Collar Kit	493195	493197
Fill Adapter	A0096-001	A0089-001
Fill Cap	A0097-005	A0097-005



493195 Coax Collar Kit
For A0070 Drop Tube



493197 Coax Collar Kit
For A0088 Drop Tube

A0070
Not Self-Sealing



A0088
Self-Sealing

■ CARB
Executive Order
G-70-97-A



Extractor Fittings

A0079 Float Valve Extractor

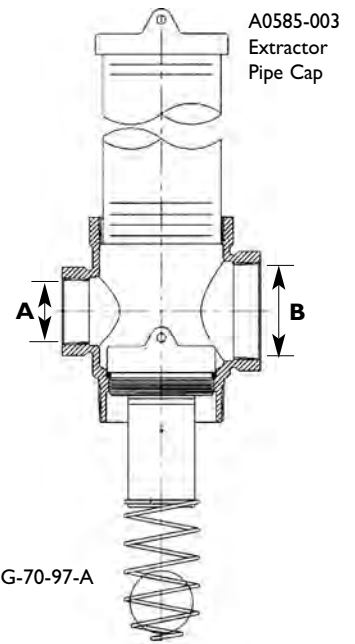
The Emco Wheaton A0079 Extractor Assembly consists of a cast iron extractor body and an internal “bar style” cage. This cage holds any length of A0075 Ball Float (sold separately). The A0079 may be ordered with a variety of port combinations to accommodate tank venting and Stage II vapor recovery piping. The A0079 is also available without an extractor cage for applications that do not require the use of a ball float and is an economical alternative for direct manifold systems.

The A0079 Extractor Assemblies are available with electroless nickel coating for compatibility with E85 fuels. To order, add an E suffix to the part number.

Material

Extractor Body: Cast Iron

The A0079 may be installed as part of the Emco Phase I EVR System without violating the Executive Order (VR-105)



Cross Style

Model No.	Top/Bottom Thread	Outlet Threads A & B	Cage Size	Lbs.
Extractor with Cage				
A0079-019	4"	3" x 2"	2"	11.9.
A0079-020	4"	2" x 2"	2"	10.7
A0079-025	4"	3" x 3"	2"	12.0
A0079-028	4" BSPT	2" x 2" BSPT	2"	9.6
Extractor Body only				
A0079-043	4" BSPT	2" x 2" BSPT	N/A	8.5
A0079-050	4"	2" x 2"	N/A	8.5
* A0079-051	4"	3" x 2"	N/A	10.8
A0079-052	4"	3" x 3"	N/A	11.8

* Most common variant



Tee Style

Model No.	Top/Bottom Thread	Outlet Threads B	Cage Size	Lbs.
Extractor with Cage				
A0079-119	4"	3"	2"	14.6
A0079-120	4"	2"	2"	10.7
A0079-122	4" BSPT	2" BSPT	2"	8.5
Extractor Body only				
A0079-150	4"	2"	N/A	7.1
A0079-152	4"	3"	N/A	8.7
A0079-444	4"	4"	N/A	8.7
A0079-444M (male base)	4"	4"	N/A	10.1



Extractor Fittings

Accessories

A0179 Extractor Cage

The Emco Wheaton A0179 Extractor Cage is designed with a 3" male thread and a 2" female thread for use with the Emco Wheaton A0079 Extractor Valve and A0075 Ball Float. Use with A0560-003 Bar Style Extractor Wrench.

Material

Body: Aluminum
 Handle: Steel
 O-ring: Buna-N

Model No.	Description	Lbs.
A0179-002	2" Extractor Cage	1.2



A0279 Extractor Cage Test Plug

The Emco Wheaton A0279 Extractor Cage Test Plug is designed for performing pressure decay tests on your underground piping and storage tank systems. Use with A0560-003 Bar Style Extractor Wrench.

Material

Body: Aluminum
 Handle: Steel
 O-ring: Buna-N
 Plug: Cast Iron

Model No.	Description	Lbs.
A0279-001	Test Plug	1.9



A0560 Extractor Wrench

Emco Wheaton Extractor Wrenches are required to install and remove the A0584 and A0585 pipe caps and appropriate angle check, foot, and float valve extractor cages. Two head styles are available - the historic Emco Wheaton Buckeye style wrench and the A0560-003, industry standard "bar style" wrench.

Model No.	Size	Lbs.	Extractor Pipe Cap	Extractor Fitting
A0560-001 Buckeye	1 1/2"	8.0		A0677-003
A0560-002 Buckeye	2"	10.0	A0584-003	A0563-002, -004
A0560-003 Bar Style	2"	9.3	A0585-003	A0079, A0179, A0279



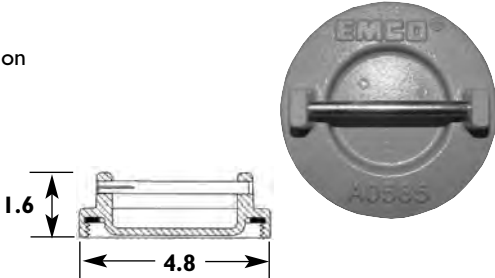
A0585-003 Extractor Pipe Cap

The Emco Wheaton A0585-003 Bar Style Extractor Pipe Cap is designed to thread directly on the extractor access pipes. Requires the A0560-003 Bar Style Extractor Wrench.

Material

Body: Aluminum
 Handle: Steel
 O-ring: Buna-N

Model No.	Size	Lbs.
A0585-003	4" Female	0.8



569924 Gasket Replacement Kit

Ball Floats

A0075 Ball Float

The Emco Wheaton A0075 Ball Float Valves are designed to restrict product flow in the event of a UST overfill. The A0075 meets EPA requirements for a slow down device.

The A0075 Ball Float Valves are available with electroless nickel coating for compatibility with E85 fuels. The ball and spring are stainless steel. To order, add an E suffix to the part number.

Material

Tube: Aluminum
Ball: Stainless Steel

The A0075 may be installed as part of the Emco Phase I EVR System without violating the Executive Order (VR-105)



■ CARB Executive Order G-70-97-A

Model No.	Tube Diameter	Tube Length	Overall Length	Bleed Hole	Lbs.
*A0075-001	2"	4.75"	9.52"	.125"	1.2
A0075-002	2"	9.62"	14.39"	.125"	1.8
A0075-004	2"	8.00"	12.77"	.125"	1.6
A0075-006	2"	6.87"	11.64"	.062"	1.5
A0075-010	2"	18.00"	22.77"	.125"	2.8
A0075-013	2"	13.75"	18.52"	.125"	2.4
A0075-015	2"	15.75"	20.75"	.125"	2.6
A0075-017	2"	17.75"	22.52"	.125"	2.8

*Most common variant. Custom lengths are available upon request.

A0078 Ball Float with Extractor Cage

The Emco Wheaton A0078 combination Ball Float and Extractor Valve Cage meet the EPA requirements for a 30 minute warning device.

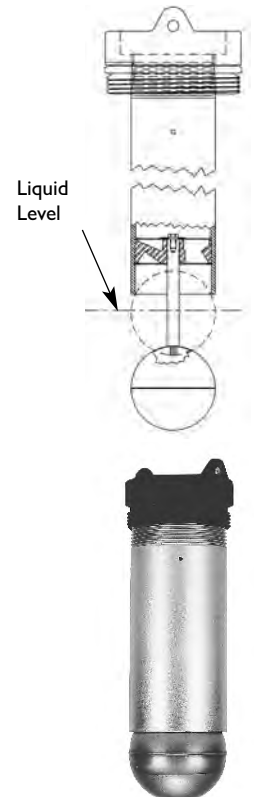
The A0078 Ball Floats with cages are available with electroless nickel coating for compatibility with E85 fuels. The ball and spring are stainless steel. To order, add an E suffix to the part number.

Material

Tube: Aluminum
Ball: Stainless Steel

Model No.	Tube Diameter	Tube Length	Overall Length	Bleed Hole	Lbs.	Replaces OPW
A0078-006A	2"	6.75"	11.52"	.0625"	2.8	53VML-0060
A0078-008	2"	8.75"	13.52"	.0625"	3.2	
A0078-008A	2"	8.75"	13.52"	.0625"	3.6	
A0078-009A	2"	9.75"	14.52"	.0625"	4.0	53VML-2090
A0078-012A	2"	12.75"	17.52"	.0625"	5.3	53VML-0120
A0078-015	2"	15.75"	20.52"	.0625"	6.0	
A0078-018A	2"	18.75"	23.52"	.0625"	7.6	53VML-0180
*A0078-020	2"	20.50"	25.27"	.0625"	7.9	
A0078-021A	2"	21.75"	26.52"	.0625"	8.8	53VML-0210
A0078-308	3"	8.00"	12.77"	.0625"	3.2	
A0078-312	3"	12.13"	16.27"	.0625"	4.5	
A0078-318	3"	18.13"	22.27"	.0625"	6.9	

*Most common variant. Custom lengths are available upon request.

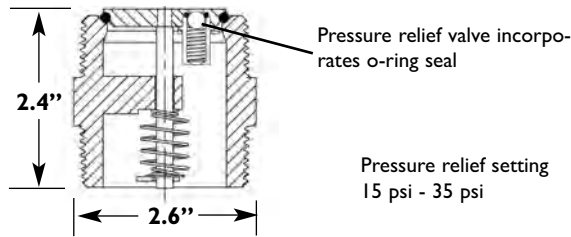


A0066 Multi-Purpose Check Valve

Material

Body: Cast Iron
 Poppet: Brass
 Springs: Stainless Steel
 Seal: Viton®

Viton® is a registered trademark of DuPont Dow Elastomers



■ UL Listed MH10206

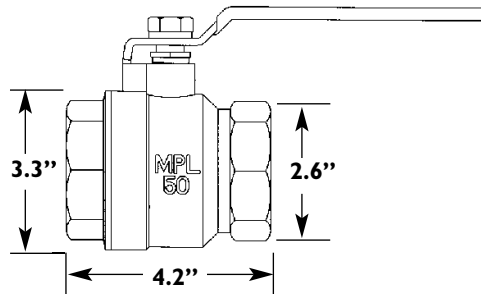
The Emco Wheaton A0066 Multi-Purpose Check Valve is designed to maintain prime and prevent unnecessary tripping of mechanical leak detectors. The A0066 is mounted at the submersible pump to relieve thermal expansion between the pump and dispenser. Vent poppet is designed to provide positive sealing and more accurate pressure relief settings. Heavy wall cast iron body construction.

Model No.	Size	Lbs.
A0066-020	2"	2.1

A0750 Ball Valve

Material

Body: Brass
 Seal: Teflon PTFE



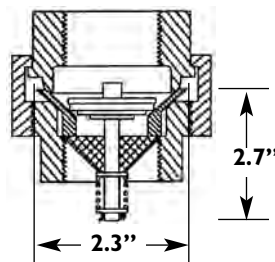
The Emco Wheaton A0750 Ball Valve is a full port 2" valve. Thread depth is .865"; inside diameter is 2". 150 psi working pressure.

Model No.	Size	Lbs.
A0750-200	2"	4.1

A0732 Underpump Union Check Valve

Material

Body: Plastic
 Internal Components: Brass



Shown as installed in union coupling



The Emco Wheaton A0732 Union Check Valve is inserted into a standard 1 1/2" union to stop the loss of prime. Body is plastic; all other components are brass. The A0732-002 includes a screen.

Model No.	Size	Lbs.
A0732-001	1 1/2"	0.4
A0732-002	1 1/2"	0.3

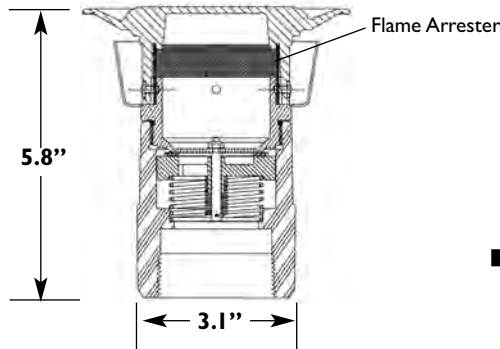
Vents

A0084 Pressure Vacuum Vent

The Emco Wheaton A0084 is an internal pressure vacuum valve that restricts vapor escape during product drops. Typically installs on the top of the vent pipes from the underground or aboveground fuel storage tanks. The vent valve is equipped with a wire mesh screen designed to protect the storage tank vents against intrusion and blockage from rain water and debris. A normally closed poppet within the valve opens to allow the tank to vent (see chart below). The body and cap are anodized aluminum for corrosion-free service. UL Listed.



■ UL Listed MH46838



Material

Body: Aluminum
 Seal: Viton®
 Cap: Aluminum
 Screen: 40 Mesh Stainless Steel

Viton® is a registered trademark of DuPont Dow Elastomers.

Model No.	Inlet	Pressure Setting	Vacuum Setting	Lbs.	Replaces
A0084-014	2" BSPT	13.86" H ₂ O (8.00 oz.)	0.8" H ₂ O (0.50 oz.)	2.6	
A0084-105	2" Slip On	2.00" H ₂ O (1.14 oz.)	0.8" H ₂ O (0.50 oz.)	2.0	
A0084-200	2" Thread-on	2.00" H ₂ O (1.14 oz.)	3.0" H ₂ O (1.88 oz.)	2.0	A0084-100
A0084-201	2" Slip On	2.00" H ₂ O (1.14 oz.)	3.0" H ₂ O (1.88 oz.)	2.6	A0084-101
A0084-204	2" Thread-on	13.86" H ₂ O (8.00 oz.)	0.8" H ₂ O (0.50 oz.)	2.9	A0084-004
A0084-209	2" Slip On	13.86" H ₂ O (8.00 oz.)	0.8" H ₂ O (0.50 oz.)	2.9	A0084-009
Meets EPA 40 CFR Part 63 Requirements					
* A0084-038	2" Thread-on	2.5"-6.0" WC	6.0"-10.0" WC	2.9	
A0084-103	2" Slip-on	2.5"-6.0" WC	6.0"-10.0" WC	2.6	
A0084-338	3" Thread-on	2.5"-6.0" WC	6.0"-10.0" WC	3.5	
A0084-303	3" Slip-on	2.5"-6.0" WC	6.0"-10.0" WC	3.2	

*Most common variant

A0085 Vent Adapters

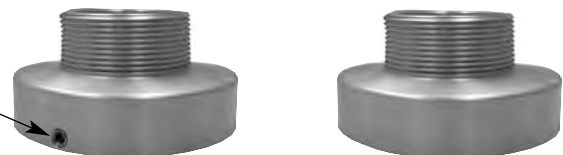
The Emco A0085 is used with A0084 2" vents to connect to 3" riser pipes. Available in thread-on and slip-on versions. Aluminum construction.

Material

Body: Aluminum
 Seal: Buna

Model No.	Description	Lbs.
A0085-302	3" Thread-on	0.6
A0085-302S	3" Slip-on	0.6

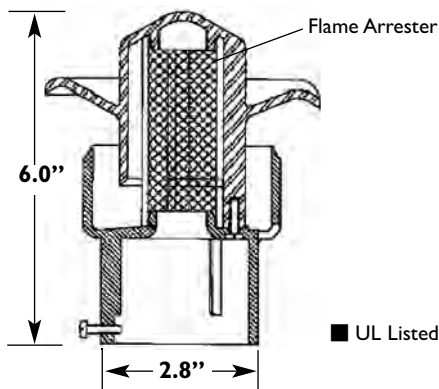
Slip-on versions incorporate 3 set screws



A4103 Upward “V” Vent

Material

Body: Polyethylene
 Cap: Polyethylene
 Screws: Steel
 Screen: 40 Mesh Stainless Steel



■ UL Listed MH10206



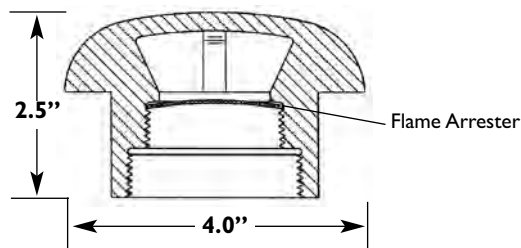
The Emco Wheaton A4103 Upward “V” Vent utilizes a straight-up “V” design to rapidly disperse vapors. Slip-on style vent attaches to the pipe with three screws for easy installation. Screen can be easily removed for cleaning. Designed in accordance with NFPA 30.

Model No.	Inlet	Material	Lbs.
A4103-002	2"	Polyethylene	0.7

A0785 Downward Mushroom Vent

Material

Body: Aluminum
 Screen: Brass



The Emco Wheaton A0785 Downward Mushroom Vent is designed for downward venting of storage tanks. The 30 mesh stainless steel screen can be easily removed for cleaning. The A0785 threads onto either 1.5 or 2.0 inch vent lines. Clear coated aluminum for corrosion-free service.

Model No.	Inlet	Material	Lbs.
A0785-001	1.5" & 2" Female	Aluminum	1.0
A0785-101	1.5" & 2" Female BSPT	Aluminum	1.0

Product Identification

A0996, A0997, A0998 ID Markers & Tags

Emco Wheaton offers a complete line of fiberglass embedded, color coded ID tags and markers. The tags are easy to clean and maintain, and made to withstand extreme weather.

The A0996 Stick-on ID tag is for use on Emco composite manholes and spill containment; can also be used on some competitor manholes.

The A0997 Tank ID Tag clamps onto the storage tank fill pipe to identify the product grade, tank number and tank size.

The A0998 In-Ground ID Marker is used to identify the product grade in the underground tanks. The base is constructed of die cast aluminum for a smooth appearance. The lower profile with beveled edge minimizes tripping hazard.



A0996
Spill Container
ID Tag



A0998
In-Ground
ID Marker



A0997
Tank Riser
ID Tag

A0997-001KIT Gallonage Kit

Includes four gallonage tags, etched on both sides



A0996 Spill Container ID Tag	A0997 Tank Riser ID Tag	A0998 In-Ground ID Marker	Product	Description
A0996-002	A0997-080	A0998-069	Tank Monitor	White w/Black Text
A0996-100	A0997-032	A0998-021	Regular	White w/Black Cross
A0996-200	A0997-124	A0998-020	Mid-Grade	Blue w/White Cross
A0996-300	A0997-047	A0998-016	Premium	Red w/White Cross
A0996-400	A0997-120	A0998-027	Diesel	Yellow Hexagon
A0996-420	A0997-033	A0998-018	Ultra Low Sulfur Diesel	Yellow Hexagon w/Black "U"
A0996-600	A0997-048	A0998-017	Kerosene	Brown Hexagon
A0996-700	A0997-059	A0998-133	Vapor Recovery	Orange w/Black Text
A0996-DEF	A0997-075	A0998-050	DEF	Blue w/White Text
A0996-E85	A0997-049	A0998-034	E85 (85% Ethanol)	Bronze Pentagon w/Black Text
A0996-UNL	A0997-117	A0998-014	Unleaded	White w/Black Text

Contact customer service for complete product offering. Custom configurations available.

Z0838 Anti-Seize Joint Seal

Emco Wheaton Anti-Seize Joint Seal is recognized as one of the most versatile compounds available for its excellent sealing properties. Resistant to heat, cold and vibration.



<u>Model No.</u>	<u>Size</u>	<u>Lbs.</u>
Z0838-005	1/2 pint	1.3

Z0839 Super Duty Sealant

The Z0839 Urethane Super Duty Sealant is a general purpose sealant for fuel and water. Net contents 10.3 oz.

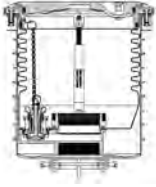
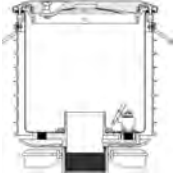
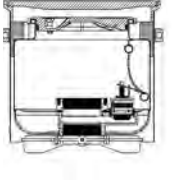

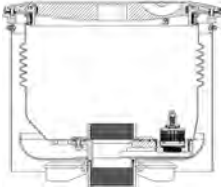


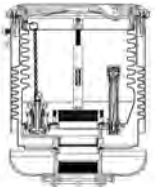
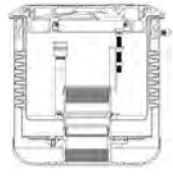
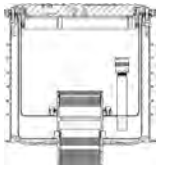

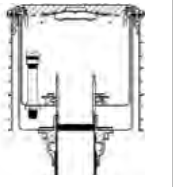
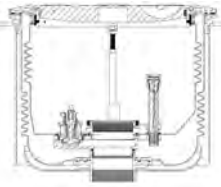
<u>Model No.</u>	<u>Lbs.</u>
Z0839-001	1.2

**SPILL
CONTAINMENT**

Spill Containment Selection Chart

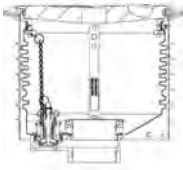
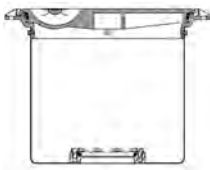
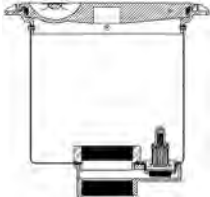
Replaceable

Single Wall				
5 Gallon				15 Gallon
Poly	Stainless Steel			Poly
<u>Screw On</u>	<u>Screw On</u>	<u>Slip On</u>	<u>Glass On</u>	<u>Screw On</u>
				
Phase I EVR	Below Grade		Remote Fill	Phase I EVR
Drain: A1004EVR-316A	A1005-905D		A1005-517AF	A1004EVR-215A
No Drain: A1004EVR-317A	A1005-518AW	A1005-905	A1005-517AW	A1004EVR-216A
Page #: 36, 74	34	35	34	37, 74

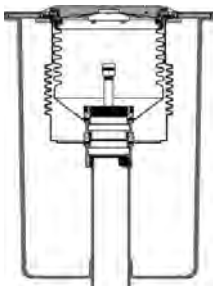
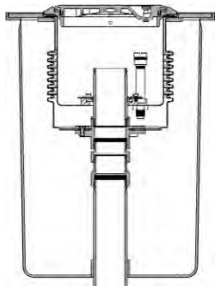

Double Wall					
5 Gallon				15 Gallon	
Poly	Poly/SST	Stainless Steel		Poly	
<u>Screw On</u>	<u>Screw On</u>	<u>Screw On</u>	<u>Slip On</u>	<u>Glass On</u>	<u>Screw On</u>
					
Phase I EVR	Evolution Series			Remote Fill	Phase I EVR
Drain: A1004EVR-316S	A1004EVR-317SS		A1005-517GW	A1005-517SF	A1004EVR-215S
No Drain: A1004EVR-317S	A1005-518GW	A1005-517GW	A1005-517SF	A1004EVR-216S	A1004EVR-216S
Page #: 36, 74	32, 74	34	34	38-39	37, 74

Spill Containment Selection Chart

Non-Replaceable

5 Gallon		
<p>Poly</p> <p><u>Thread On</u></p>  <p>Slimline</p> <p>Drain: A1004EVR-010 No Drain: A1004EVR-011 Page #: 37, 74</p>	<p>Stainless Steel</p> <p><u>Slip On</u></p>  <p>N/A A1005-501 35</p>	<p>Stainless Steel</p> <p><u>Thread On</u></p>  <p>A1005-501T A1005-501TN 35</p>

Retrofit

OPW 500/700		Competitor Buckets																
<p>Poly</p> <p>Double Wall</p> <p><u>Thread On</u></p>  <p>Drain: A1004-316R No Drain: A1004-317R Page #: 46</p>	<p>Stainless Steel Primary</p> <p>Poly Secondary</p> <p><u>Thread On</u></p>  <p>A1005-518RD A1005-518R 46</p>	<p>Stainless Steel</p>  <p>A1005-505C</p> <table border="0"> <thead> <tr> <th><u>Replaces</u></th> <th><u>Page #</u></th> </tr> </thead> <tbody> <tr> <td>Franklin Fueling</td> <td>43</td> </tr> <tr> <td>OPW</td> <td>44-45</td> </tr> <tr> <td>Universal</td> <td>47</td> </tr> <tr> <td>Fairfield</td> <td>48</td> </tr> <tr> <td>Pemco</td> <td>48</td> </tr> <tr> <td>Pomeco</td> <td>48</td> </tr> <tr> <td>Emco</td> <td>49-50</td> </tr> </tbody> </table>	<u>Replaces</u>	<u>Page #</u>	Franklin Fueling	43	OPW	44-45	Universal	47	Fairfield	48	Pemco	48	Pomeco	48	Emco	49-50
<u>Replaces</u>	<u>Page #</u>																	
Franklin Fueling	43																	
OPW	44-45																	
Universal	47																	
Fairfield	48																	
Pemco	48																	
Pomeco	48																	
Emco	49-50																	

Spill Containment

Evolution Series

Stainless Steel/Poly

The Evolution Series spill container features a corrosion free stainless steel primary container and is customizable for varied customer preferences.

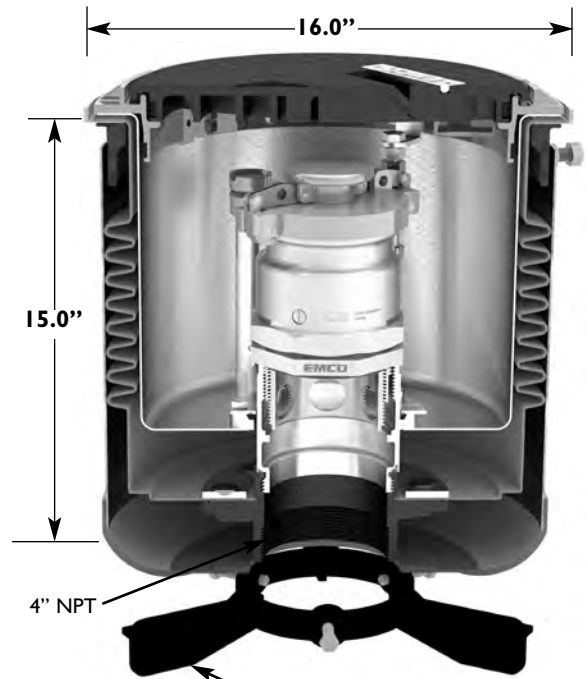
- Rust-proof stainless steel primary containment vessel eliminates failures due to punctures or abuse
- Screw-on style incorporates female stainless fittings to receive EVR riser seal for fill applications or male stainless fittings for vapor applications
- **Never break concrete again** - easily repair or replace primary unit from grade without breaking concrete
- Grade level spill containment, 5 gallon capacity
- Installs on 16" center/center tank bung spacing
- EZ-Gage to monitor interstitial space at a glance

Select your desired features:

- Composite lid/stainless rim or cast iron lid/rim - water-resistant with built-in handle, exclusive triple wiper seal and vent valve. Meets AASHTO H20 wheel loading
- Lid and rim available powder coated to API color specifications
- Powder coated or stainless steel adapter
- For fill applications: Available with stainless steel riser seal, fill cap and brass or stainless steel swivel adapter
For vapor applications: Available with stainless steel nipple, vapor cap and brass or stainless steel swivel adapter
- Drain

Contact Customer Service at 800-234-4394 for ordering information

Double Wall Stainless Steel Primary Poly Secondary



Riser lock included to prevent the riser pipe from turning during subsequent removal and installation of the primary liner.

■ CARB Phase I EVR Executive Order VR-105

ULC Listed MH21149
Florida DEP #EQ-741
NC DENR
MO DNR



A1004-316LID-D
Ultra Low Sulfur Diesel



A1004-316LID-R
Regular



A1004-316LID-V
Vapor



A1004-316LID-DEF
DEF



A1004-316LID-U
Ultra/Premium

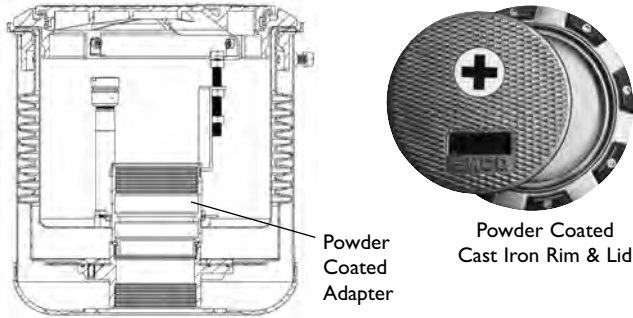
Protective cover shields rim and lid from concrete slurry

Spill Containment

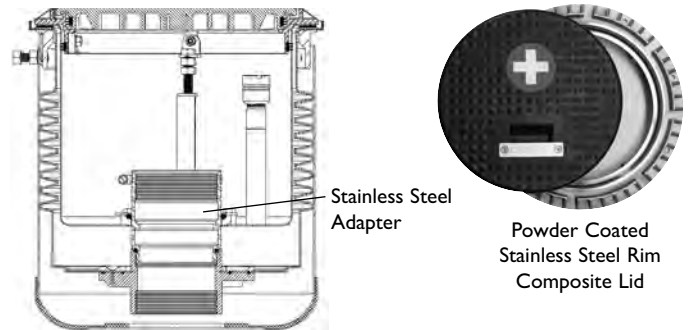
Evolution Series

Stainless Steel/Poly

Cast Iron Rim & Lid



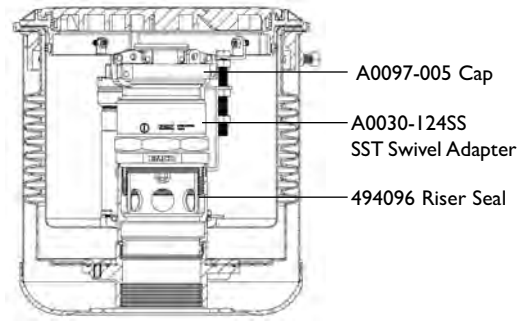
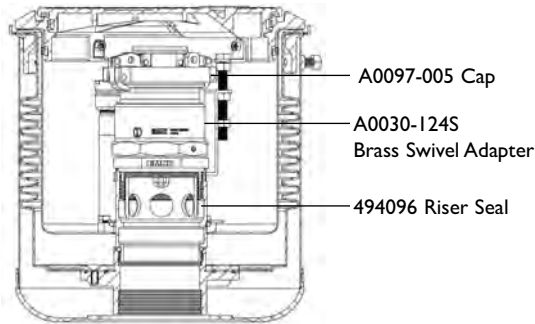
Stainless Steel Rim/Composite Lid



Basic Bucket

Model No.	Rim/Lid	A0996 ID Tag
A1004EVR-317SS100	Black	----
A1004EVR-317SS101	White	Regular
A1004EVR-317SS102	Red	Premium
A1004EVR-317SS103	Yellow	Diesel
A1004EVR-317SS104	Orange	Vapor
A1004EVR-317SS105	Blue	Mid-Grade

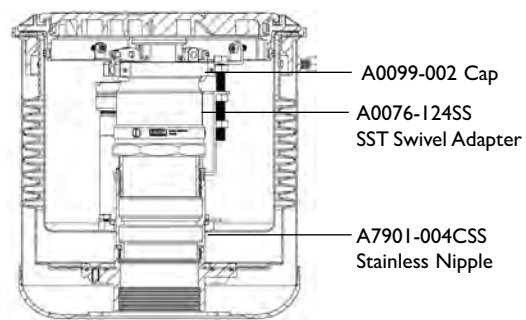
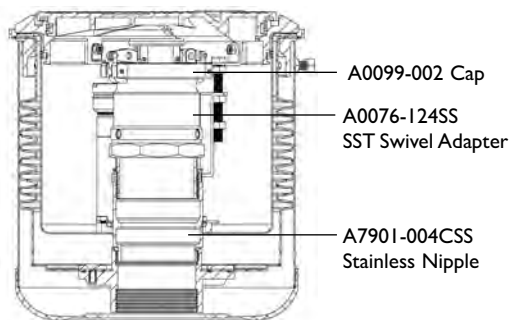
Model No.	Rim/Lid	A0996 ID Tag
A1004EVR-317SS200	Not Coated	----
A1004EVR-317SS201	White	Regular
A1004EVR-317SS202	Red	Premium
A1004EVR-317SS203	Yellow	Diesel
A1004EVR-317SS204	Orange	Vapor
A1004EVR-317SS205	Blue	Mid-Grade



Fill Applications

Model No.	Rim/Lid	A0996 ID Tag
A1004EVR-317SS140	Black	----
A1004EVR-317SS141	White	Regular
A1004EVR-317SS142	Red	Premium
A1004EVR-317SS143	Yellow	Diesel
A1004EVR-317SS145	Blue	Mid-Grade

Model No.	Rim/Lid	A0996 ID Tag
A1004EVR-317SS280	Not Coated	----
A1004EVR-317SS281	White	Regular
A1004EVR-317SS282	Red	Premium
A1004EVR-317SS283	Yellow	Diesel
A1004EVR-317SS285	Blue	Mid-Grade



Vapor Applications

Model No.	Rim/Lid	A0996 ID Tag
A1004EVR-317SS150	Black	----
A1004EVR-317SS154	Orange	Vapor

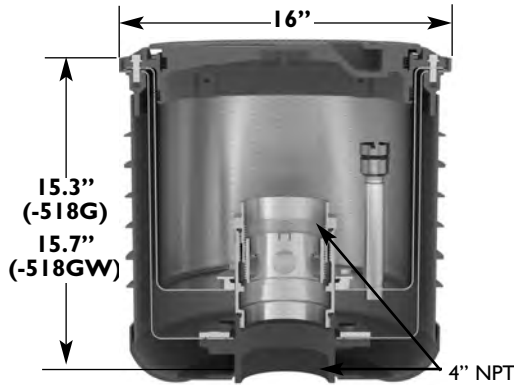
Model No.	Rim/ Lid	A0996 ID Tag
A1004EVR-317SS290	Not Coated	----
A1004EVR-317SS294	Orange	Vapor

Spill Containment

Evolution Series

Stainless Steel

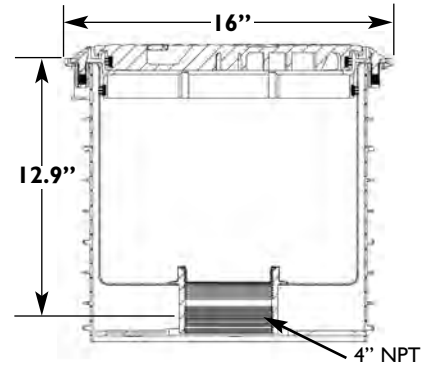
Double Wall Stainless Steel Primary & Secondary



Screw-On

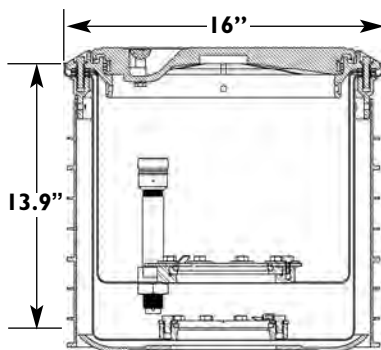
Model No.	Description
A1005-518G	DW stainless steel, cast iron secondary base, female 4" fitting, riser seal, gauge, cast iron rim & lid
A1005-518GW	DW all stainless steel, welded base, stainless steel female 4" fitting, riser seal, gauge, stainless rim/composite lid

Single Wall Stainless Steel



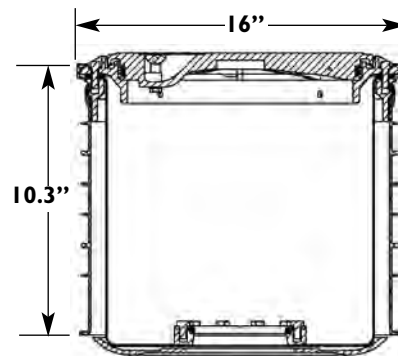
Screw-On

Model No.	Description
A1005-518A	SW stainless steel, welded base, cast iron rim & lid
A1005-518AW	SW all stainless steel, welded base, stainless steel rim/composite lid
A1005-518AW-DEF	SW all stainless steel, welded base, stainless steel rim/composite lid, blue powder coated w/DEF ID tag



Slip-On

Model No.	Description
A1005-517G	DW stainless steel, gauge, cast iron rim & lid
A1005-517GW	DW all stainless steel, gauge, stainless steel rim/composite lid
A1005-517S-CM	DW stainless steel, sensor, cast iron rim & lid



Slip-On

Model No.	Description
A1005-517A	SW stainless steel, cast iron rim & lid
A1005-517AW	SW all stainless steel, stainless steel rim & composite lid
A1005-517AW-DEF	SW all stainless steel, stainless steel rim & composite lid - blue powder coated w/DEF ID tag

Lid & Rim Options
Available powder coated to API color specifications



Cast Iron Rim & Lid



Stainless Steel Rim
Composite Lid

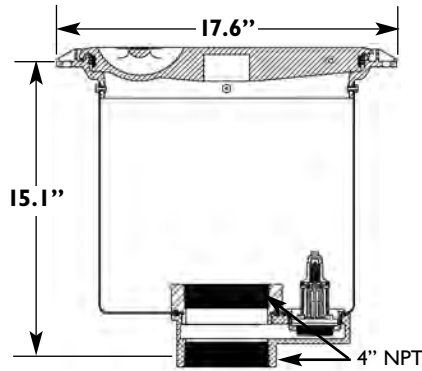
■ ULC Listed MH21149
Florida DEP #EQ-524

Spill Containment

Evolution Series

Stainless Steel

Non-Replaceable Stainless Steel



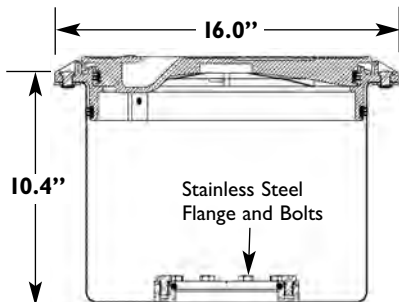
Screw-On

Model No.	Description
A1005-501T	Cast iron rim & lid, drain
A1005-501TC	Cast iron rim/composite lid, drain
A1005-501TN	Cast iron rim & lid
A1005-501TNC	Cast iron rim/composite lid

To order with an A0333-004 Hand Pump (p. 58), add a "P" to the end of the variant number.

■ ULC Listed MH21149
Florida DEP #EQ-524

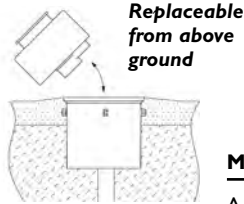
Non-Replaceable Stainless Steel



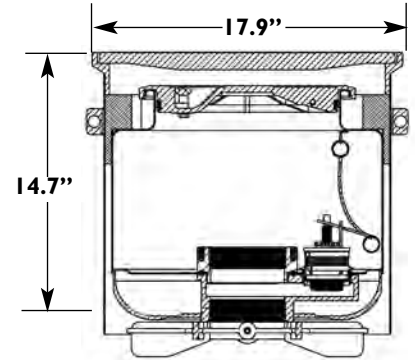
Slip-On

Model No.	Description
A1005-517	Cast iron lid, 4" riser pipe
A1005-517-3	Cast iron lid, 3" riser pipe
A1005-517-C	Composite lid, 4" riser pipe

Below Grade Stainless Steel



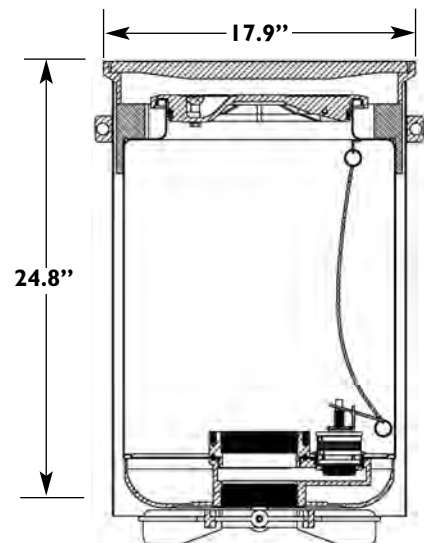
Grade level lid also available in cast iron
Optional locking mechanism for below grade lid



Screw-On 5 Gallon

Model No.	Description
A1005-905	Composite grade level lid, cast iron below grade lid, drain plug
A1005-905D	Composite grade level lid, cast iron below grade lid, drain

■ ULC Listed MH21149



Screw-On 15 Gallon

Model No.	Description
A1005-915	Composite grade level lid, cast iron below grade lid, drain plug
A1005-915D	Composite grade level lid, cast iron below grade lid, drain

Spill Containment

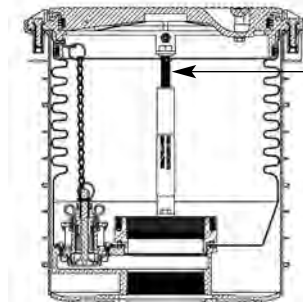
Replaceable

Poly (HDPE)

The **A1004EVR-316 Series spill container** is Phase I EVR Certified under Executive Order VR-105.

- **Never break concrete again** - easily repair or replace primary and secondary units from grade without breaking concrete
- Grade level spill containment, 5 gallon capacity
- Installs on 16" center/center tank bung spacing
- Single wall or double wall - screw-on style
- HDPE bellows
- Powder coated, water-resistant cast iron or composite lid with built-in handle, exclusive triple wiper seal and vent valve; meets AASHTO H20 wheel loading
- Lid and rim available powder coated to API color specifications
- EZ-Gage to monitor interstitial space at a glance (double wall versions)
- 4 inch NPT or BSPT thread

- CARB Phase I EVR Executive Order VR-105
- ULC Listed MH21149
- Florida DEP #EQ-741 (5 gal); #EQ-695 (15 gal)
- MO DNR, NC DENR



Adjustment screws allow change in elevation $\pm 1 \frac{1}{2}$ " (5 gallon models)

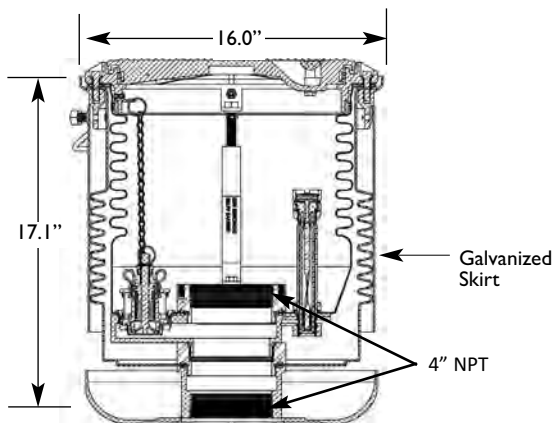


Composite Lid
Ductile Iron Rim



Ductile Iron Lid
Ductile Iron Rim

Double Wall Poly

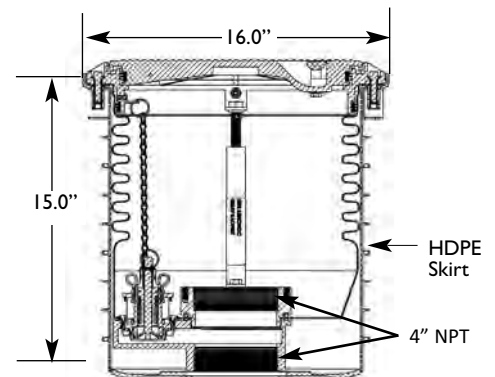


Screw-on

Model No.	Description
A1004EVR-316S	DW poly, drain
A1004EVR-316S-CM	DW poly, drain, sensor
A1004EVR-317S	DW poly, drain plug
A1004EVR-317S-CM	DW poly, drain plug, sensor



Single Wall Poly

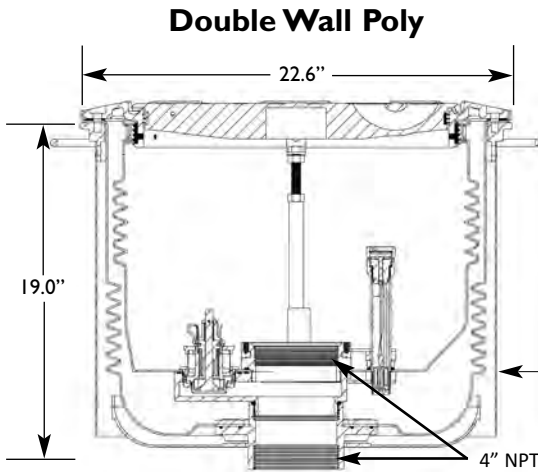


Screw-on

Model No.	Description
A1004EVR-316A	SW poly, drain
A1004EVR-317A	SW poly, drain plug

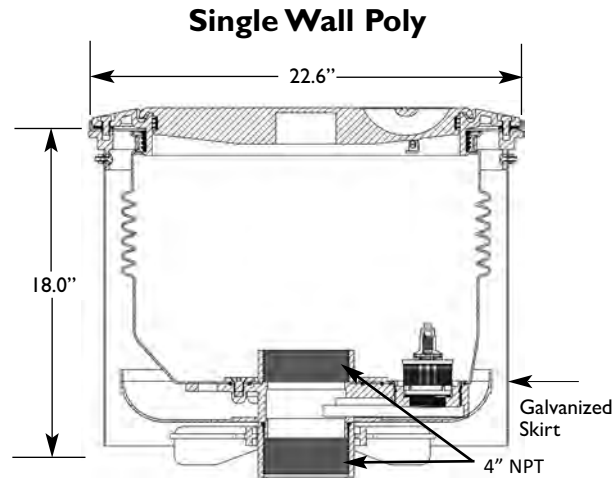
Spill Containment

Replaceable Poly (HDPE)



**Screw-on
15 Gallon**

Model No.	Description
A1004EVR-215S	DW poly, drain
A1004EVR-216SJ	DW poly, drain plug

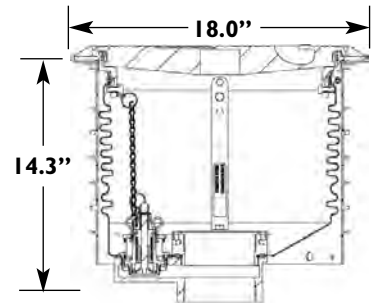


**Screw-on
15 Gallon**

Model No.	Description
A1004EVR-215A	SW poly, drain
A1004EVR-216A	SW poly, drain plug

Non-Replaceable Single Wall Poly (HDPE)

- Grade level spill containment, 5 gallon capacity
- Heavy duty, snow plow resistant cast iron, powder coated plow rim
- HDPE bellows and skirt
- 4 inch NPT or BSPT thread
- Powder coated, water-resistant cast iron or composite lid with built-in handle, exclusive triple wiper seal and vent valve. Meets AASHTO H20 wheel loading



Screw-on



- CARB Phase I EVR Executive Order VR-105
- ULC Listed MH21149
- Florida DEP #EQ-524

Model No.	Description
* A1004-010	Cast iron lid, drain
A1004-011	Cast iron lid, no drain
A1004-012	Cast iron lid, drain, BSPT
* A1004EVR-010	Cast iron lid, drain, EVR
A1004EVR-011	Cast iron lid, no drain, EVR
A1004EVR-012	Cast iron lid, drain, BSPT, EVR

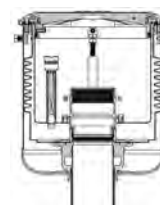
*Most common variant

Spill Containment

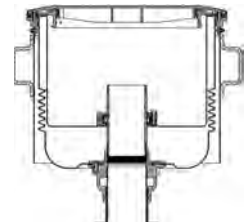
Special Applications

Remote Fill

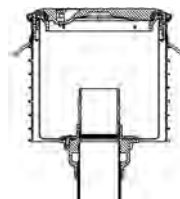
- Creates true double wall containment from spill bucket to the piping run
- Assembly comes complete with 4" Dualoy® 3000/LCX or Red Thread® 4" single wall stub, ready for installation into the elbow and clamshell
- Water-resistant cast iron lid with built-in handle, exclusive triple wiper seal and vent valve. Meets H20 load rating
- Includes EZ-Gage for instant monitoring of interstitial space



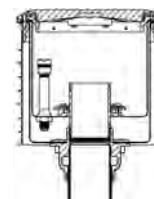
Evolution
SST Primary
Poly Secondary



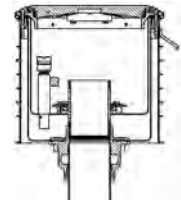
Evolution
SST Primary
Poly Secondary
15 gallon



Single Wall
Stainless Steel



Double Wall
Stainless Steel



Double Wall
Stainless Steel
Red Thread®

Available options:

- Composite lid and stainless steel rim
- Lid and rim available powder coated to API color specifications
- Drain
- Electronic sensors
- 3" pipe
- 5 & 15 gallon polyethylene buckets

Model No.	Description
A1004-317SSF	DW stainless steel primary, poly secondary, no drain, gauge, LCX
A1005-517AF	SW stainless steel, no drain, LCX
A1005-517SF	DW stainless steel, no drain, gauge, LCX
A1005-517SF64	DW stainless steel, no drain, gauge, Red Thread®
A1005-616SF4	DW SST primary, poly secondary, no drain, LCX, 15 gal

■ ULC Listed MH21149

Overfill Prevention Components



A7900-004H
4" NPSM Male Pipe
Plug with o-ring



493436EPA
Remote Fill Cage



A0379-001
Remote Fill Cage
Adjustable NPSM



A0079-444
Tee 4"x4"x4" NPT



A0479-001
Dip Stick Port

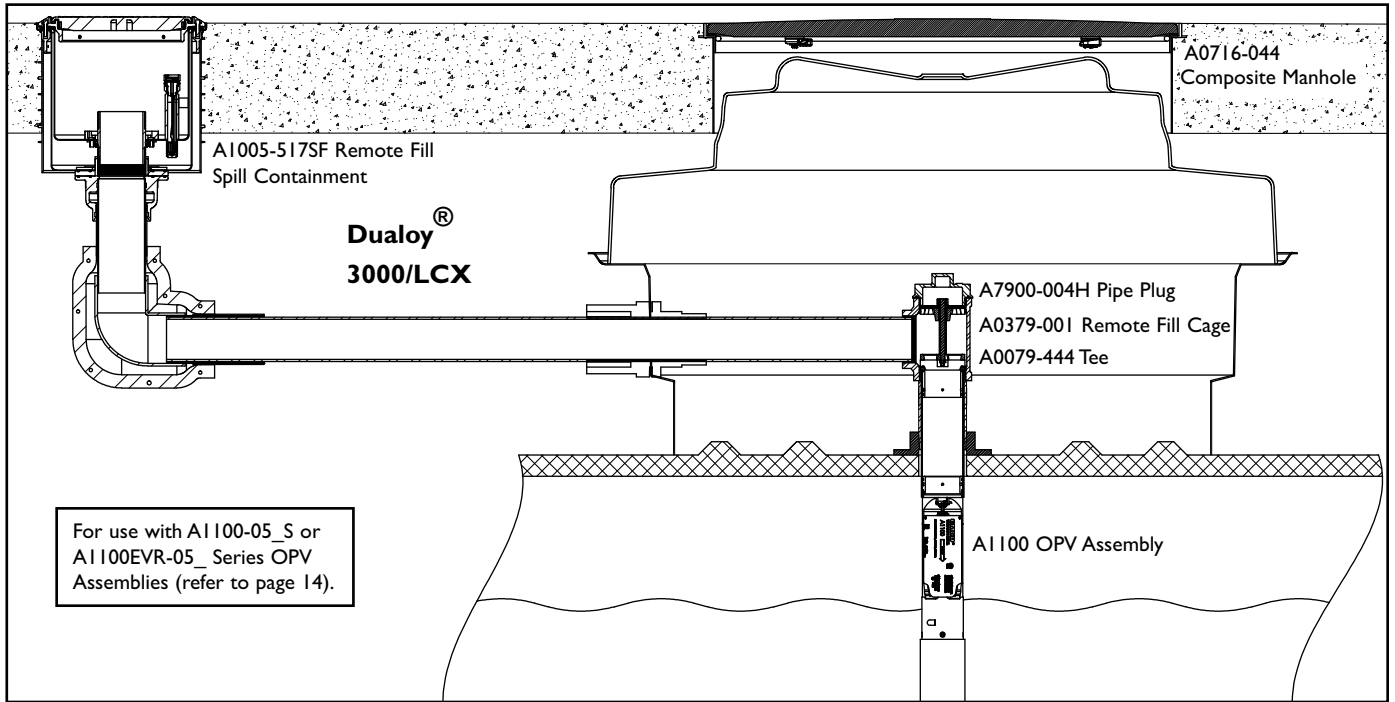


A0081-006JP
Remote Fill Piping
Test Assembly

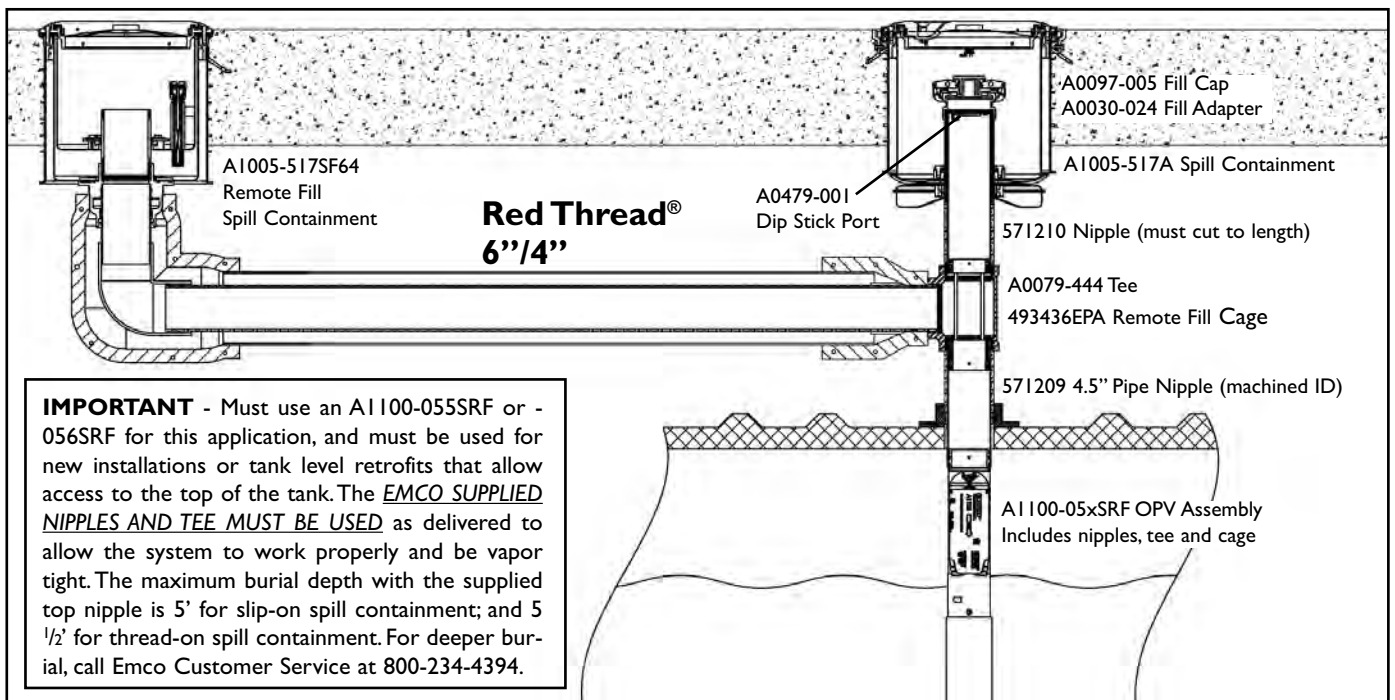
Spill Containment

Special Applications

Remote Fill



Remote Fill in Sump



Remote Fill Buried

Spill Containment

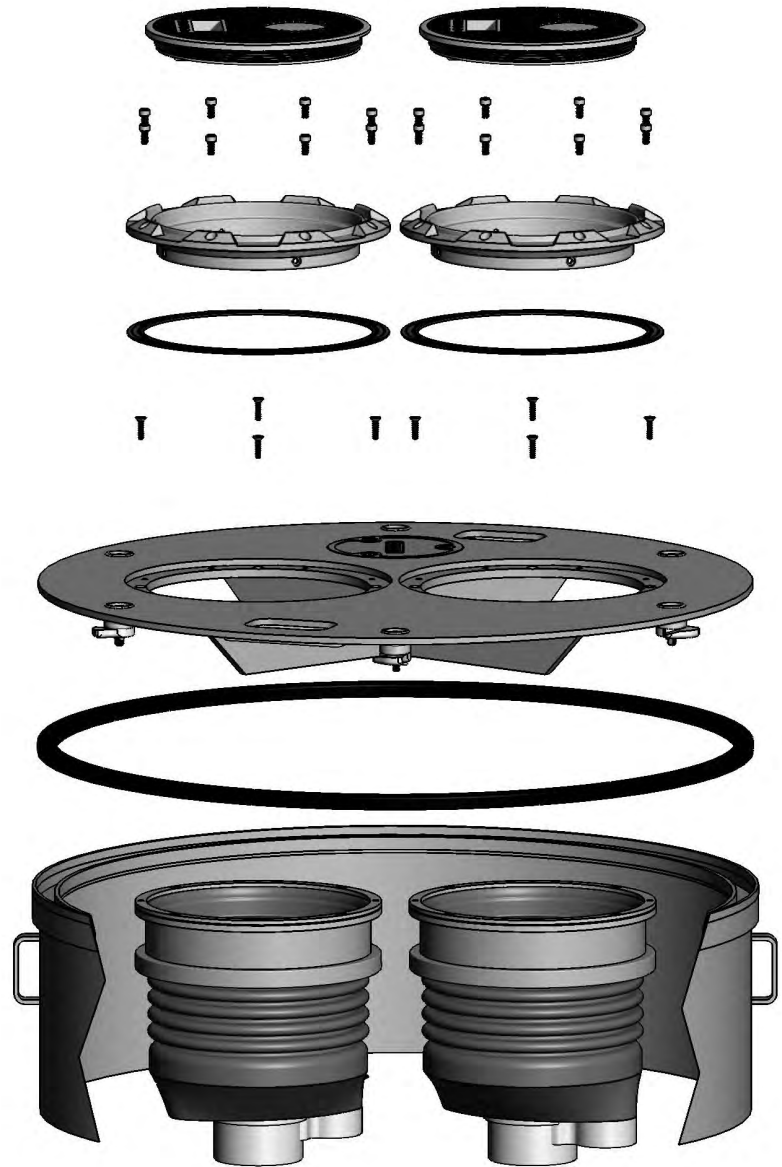
Multi-Port Phase I EVR

The **A1004EVR Multi-Port Spill Containers** are Phase I EVR approved and include the following features:

- 42-inch steel diamond plate lid with 16-inch tank bung spacing
Optional diamond plate lid in light weight aluminum
- 6 cam-locks and dual lid handles for easy lock-down and removal
- 8-inch observation port w/ water-tight seals
- All mounting bolts non-corrosive stainless steel
- Manhole rim channel w/ D-seal for water tightness integrity between lid and rim
- Manhole available w/ 12-inch or 18-inch galvanized skirt
- Nominal spill container capacity of 5 US gallons
- Cast iron spill container base w/4-inch NPT thread connection
Requires no face seal adapter
- Powder coated, heavy duty, cast iron lid and ductile iron plow ring, exceeds DOT H-20 loading
Optional lid in composite material
- Lid w/ triple wiper seal
- HDPE primary spill container bellows
- Drain valve w/ filter or plug option
- Compatible with most water shrouds and boot kits
- Water-tight



■ CARB Phase I EVR Executive Order VR-105



Model No.	Description	Spill Container #1	Drain Type	Spill Container #2	Drain Type
A1004EVR-242-ID1A	42" Multi-Port MH, 8" Observation Port 12" Skirt, Gasoline	SW, 5 gal	Drain Valve	SW, 5 gal	No Drain
A1004EVR-242-11A	42" Multi-Port MH, 8" Observation Port 12" Skirt, Gasoline	SW, 5 gal	No Drain	SW, 5 gal	No Drain
A1004EVR-242-ID0A	42" Multi-Port MH, 8" Observation Port 12" Skirt, Diesel	SW, 5 gal	Drain Valve	None	N/A
A1004EVR-242-10A	42" Multi-Port MH, 8" Observation Port 12" Skirt, Diesel	SW, 5 gal	No Drain	None	N/A

Custom configurations are available upon request

Spill Containment

Multi-Port General Purpose

- 36-inch steel diamond plate lid with 16-inch tank bung spacing
Optional diamond plate lid in light weight aluminum
- 6 cam-locks and dual lid handles for easy lock-down and removal
- 8-inch observation port w/ water-tight seals
- All mounting bolts non-corrosive stainless steel
- Manhole rim channel w/ D-seal for water tightness integrity between lid and rim
- Manhole available w/ 12-inch or 18-inch galvanized skirt
- Nominal spill container capacity of 5 US gallons
- Stainless steel spill container w/4-inch slip-on connection
- Powder coated, heavy duty, cast iron lid and ductile iron plow ring, exceeds DOT H-20 loading
Optional lid in composite material
- Lid w/ triple wiper seal
- Compatible with most water shrouds
- Includes shroud seal



Model No.	Description	Spill Container #1	Drain Type	Spill Container #2	Drain Type
A1008-036B1	36" Multi-Port MH, 12" Skirt	SW, SST, 15 gal Fill Cap & Adapter	No Drain	SW, SST, 5 gal Vapor Cap & Adapter	No Drain
A1008-036B5	36" Multi-Port MH, 12" Skirt	SW, SST, 5 gal Fill Cap & Adapter	No Drain	SW, SST, 5 gal Vapor Cap & Adapter	No Drain

Custom configurations are available upon request

Spill Containment

Retrofit

Stainless Steel

Convert your obsolete poly bucket to state-of-the-art stainless steel - no excavation required



Before



After

- The containment vessel completely isolates the existing manhole; the lid seals inside the stainless steel vessel
- Water-resistant cast iron lid with built-in handle and exclusive triple wiper seal, meets AASHTO H20 wheel loading
- Models available for virtually all common competitors' buckets - Emco will provide custom designs for rare or unique applications. Models can be customized to accommodate specific height requirements. Contact our Customer Service Department (800-234-4394) for ordering information. Data sheets available on our website (www.emcoretail.com).
- US Patents 8,425,145 B2 and 8,425,145 B

■ ULC Listed MH21149
 Florida DEP EQ-753; EQ-764R (Double Wall)
 Kentucky DEP
 Missouri DNR
 North Carolina DENR
 Tennessee Dept. of Environment & Conservation
 PEMEX PXR-SC-GVES-SAFP-SPTF-80-2013



Cast Iron Cover with Triple Wiper Seal

Stainless Steel Containment Vessel

Stainless Steel Bolts

Flange

O-ring Seal



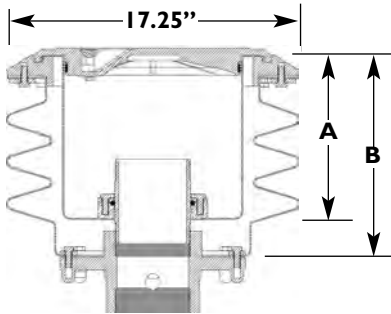
Double wall variants include an EZ-Gage

For drain options, contact our Customer Service Department (800-234-4394)

Spill Containment

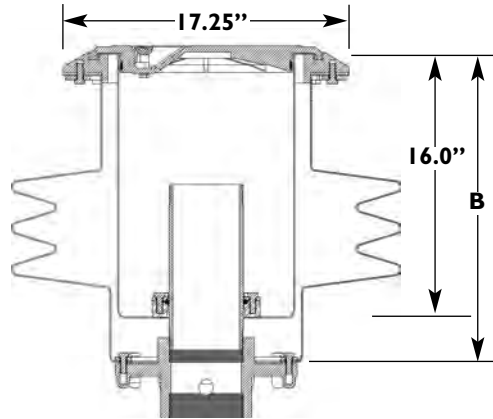
Retrofit Franklin Fueling Stainless Steel

EBW 702*, 703, 705



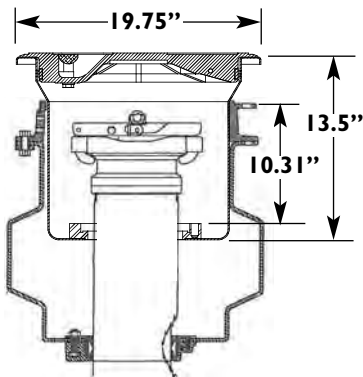
*EBW 702 is slip-on

EBW 715, 725



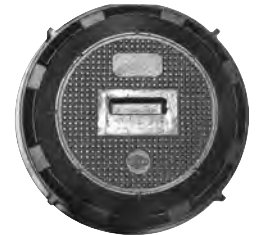
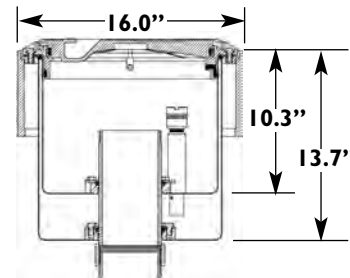
Rim 17.25"; Lid 14"

EBW 715, 725 Below Grade



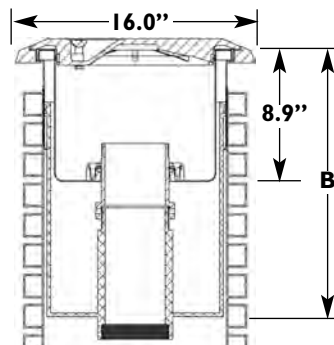
Rim 19.75"; Lid 19"

Franklin Defender Series™ 705555



Rim 16"; Lid 12"

Phil-Tite 400



Rim 16"; Lid 14"

Model No.	Repairs	Min. Ht.		Lbs.
		A	B	
A1005-505CE	EBW 702,703,705	9.8"	11.1"	26.0
A1005-505CE770	EBW 702,703,705 Short	7.7"	9.3"	24.9
A1005-505CE15	EBW 715,725 15 Gallon	16.0"	17.5"	30.0
A1005-505CEBG	EBW 702,705, 715 Below Grade	10.3"	13.5"	25.6
A1005-505CFD	EBW 705555	10.3"	13.7"	
A1005-505CFI	Phil-Tite 400	8.8"	16.4"	30.0
A1005-505DPEB	Drain Plug Kit for EBW 705,715			

Inserts without drains will require purchase of the proper drain plug kit for the existing spill container.

Defender Series™ is a trademark of Franklin Electric Co., Inc.

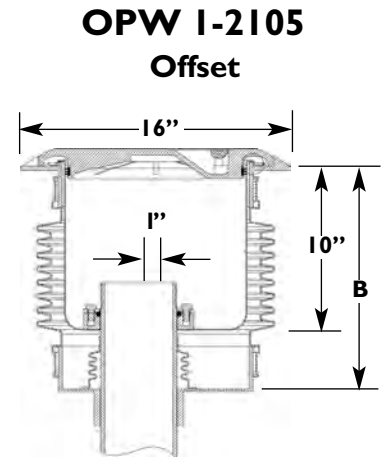
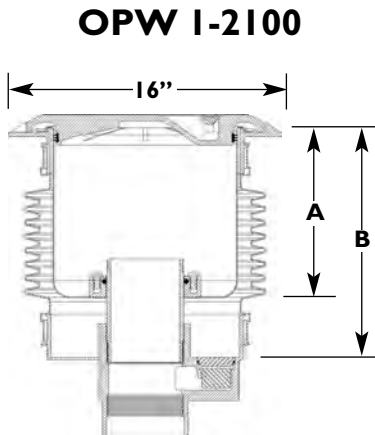
Spill Containment

Retrofit

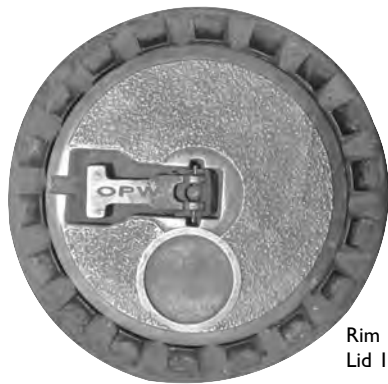
OPW Stainless Steel



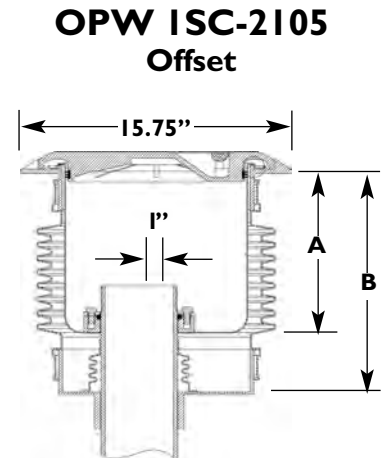
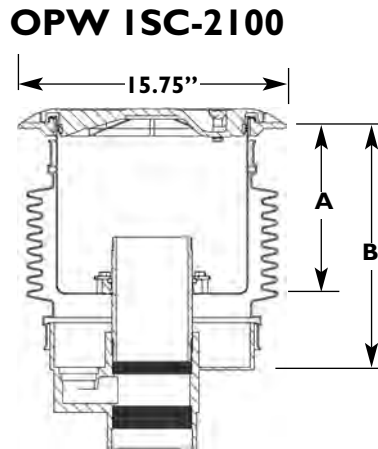
Rim 16.0"
Lid 13.75"



The I-2100 and I-2105 series are identified with "I-2100 Series" or "IC Series" printed on the lid. You must determine if the spill containment has a 1" offset and a rubber boot (right photo). This indicates that it is a I-2105 (slip-on) series, and will require a different retrofit kit than the I-2100 series. Refer to table below.



Rim 15.75"
Lid 12.5"



Model No.	Repairs OPW	A	Min. Ht. B	Lbs.
A1005-505C	I-2100 Series	10.0"	12.0"	31.0
A1005-505CDR	I-2100; Includes Drain	10.0"	12.0"	30.5
A1005-505CS	I-2100 Short	8.7"	10.8"	27.0
A1005-505CD	I-2100 Double Wall	10.0"	12.0"	34.0
A1005-505CZ	I-2100 Crooked Riser	10.0"	12.0"	30.0
A1005-505CZDR	" "; Includes Drain	10.0"	12.0"	30.0
A1005-505CZS	" "; Short	8.7"	10.8"	30.0
A1005-505C5	I-2105 Offset	10.0"	12.0"	26.0
A1005-505CC	ISC-2100 Series	10.0"	12.0"	24.0
A1005-505CC5	ISC-2105 Offset	10.0"	12.0"	23.0

Drain Plug Kit	Description
A1005-505DP	Drain Plug Kit, I-2100/I-2105
A1005-505DPE	Drain Plug Kit w/Epoxy

Inserts without drains will require purchase of the proper drain plug kit for the existing spill container.

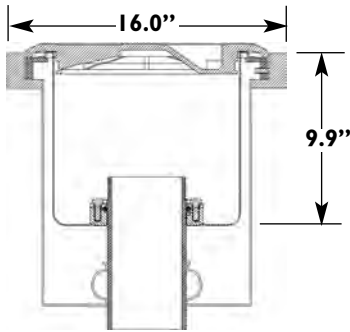
Spill Containment

Retrofit OPW Stainless Steel

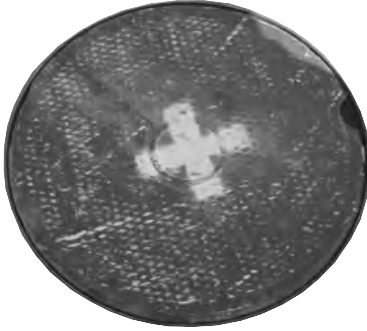
OPW 84D



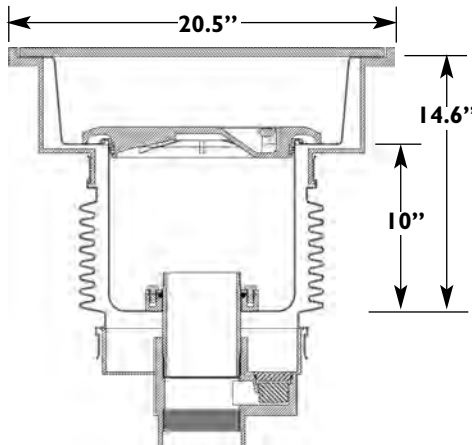
Rim 16.0"; Lid 13.75"



OPW 101BG Below Grade



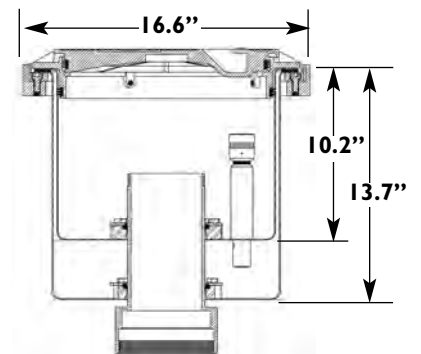
Rim 20.5"; Lid 20.0"



OPW Edge™ 3100



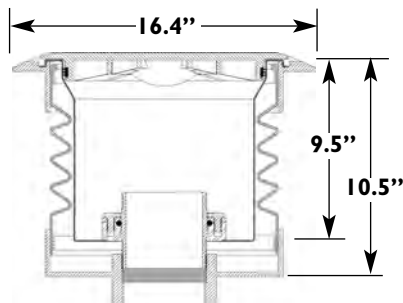
Rim 16.6"; Lid 13.75"



OPW 4000



Rim 16.375"; Lid 13.13"



Model No.	Repairs OPW	Lbs.
A1005-505C4*	4000	24.0
A1005-505CA	84D	41.0
A1005-505CBG	101BG	39.0
A1005-505CPWE	IC-3100 Series	
A1005-505DP	Drain Plug Kit, I-2100/I-2105	
A1005-505DPE	Drain Plug Kit w/Epoxy	

*Not available with a drain option.

Inserts without drains will require purchase of the proper drain plug kit for the existing spill container.

Edge™ is a trademark of Delaware Capital Formation, Inc.

Spill Containment

Retrofit

OPW 500/700

No excavation required - use existing riser pipe

Eliminates all OPW primary and secondary containers

Diamond plate steel lid bolts to existing OPW rim; optional 24" gasket available for sealing the diamond plate

Includes: 24" diamond plate, ductile iron rim, cast iron lid with triple wiper seal, thread-on polyethylene secondary, 5 gallon stainless steel (or poly), primary with EZ-Gage

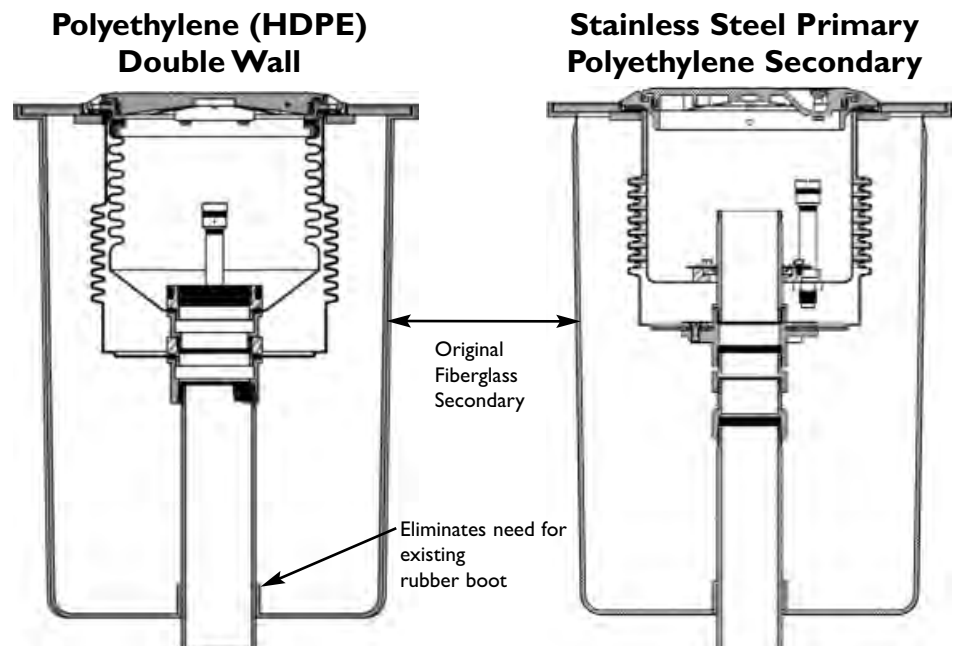
Full Emco Wheaton warranty



A0081-001R Lid Wrench
Special assembly tool facilitates one hour installation



Color coded lids and rims available upon request



■ Florida DEP #EQ-741

■ Florida DEP #EQ-764R

Model Number	Description	Lbs.
A1004EVR-316R	5 gal primary poly thread-on, secondary poly thread-on, drain	133
A1004EVR-317R	5 gal primary poly thread-on, secondary poly thread-on, drain plug	133
A1005-518R	5 gal primary stainless steel slip-on, secondary poly thread-on, no drain	116
A1005-518RD	5 gal primary stainless steel slip-on, secondary poly thread-on, drain	117
A1005-518RDX	5 gal primary stainless steel slip-on, secondary poly thread-on, drain, adapter, cap	127
A1005-518RS	5 gal primary stainless steel slip-on, secondary poly thread-on, no drain, 571964 seal	117
A1005-518R-CM	5 gal primary stainless steel slip-on, secondary poly thread-on, no drain, sensor	118
A0081-001R	Wrench for 24" diamond plate	
571964	Seal for diamond plate	

X variant includes swivel fill adapter and fill cap

CM variant includes two wire sensor and push to test button

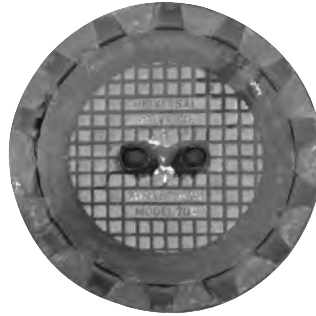
Spill Containment

Retrofit

Universal Stainless Steel



69RT, 71CD
Rim 15"; Lid 12.75"

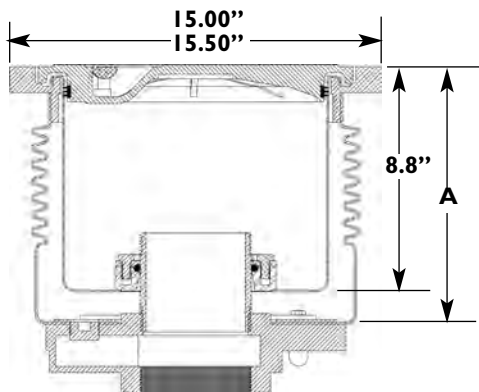


69RT, 71CD; 70C-DW
Rim 15.5"; 12.5" Lid

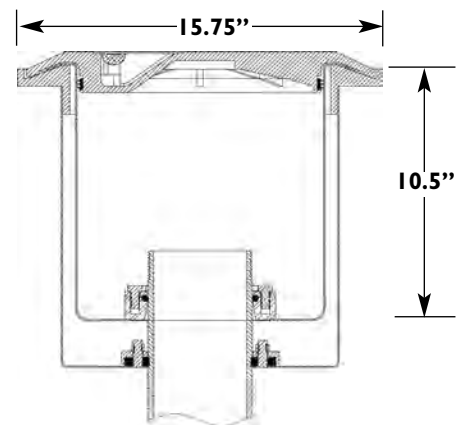


70C; 71CD
Rim 15.75"; Lid 15"

Universal 69RT, 71CD



Universal 70C



Model No.	Repairs	Min. Ht. A	Lbs.
A1005-505CU	Universal 69RT, 71CD; Thread-on	9.3"	26.0
A1005-505CU70	Universal 70C; Slip-on	N/A	29.0
A1005-505DPU	Drain Plug Kit, 69RT, 71CD		0.4

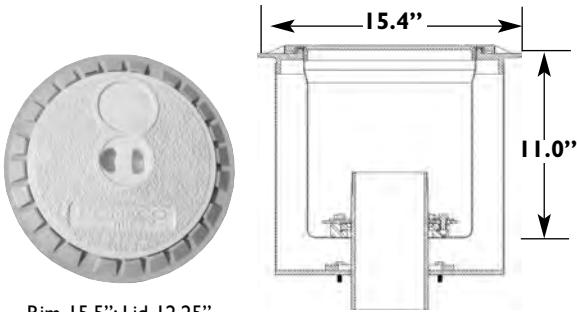
Inserts without drains will require purchase of the proper drain plug kit for the existing spill container.

Spill Containment

Retrofit

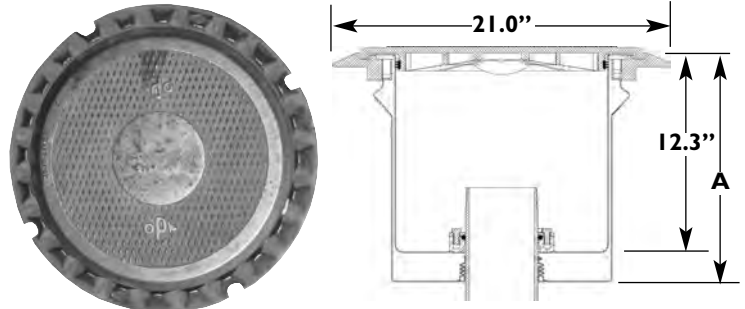
Pomeco Stainless Steel

Pomeco 111KP, 111KB



Rim 15.5"; Lid 12.25"

Pomeco 211



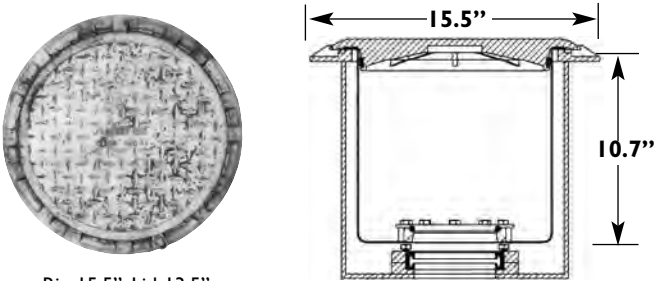
Rim 21"; Lid 17.25"

Model No.	Repairs	Min. Ht. A	Lbs.
A1005-505CP1	Pomeco 111KP, 111KB	N/A	25.0
A1005-505CP	Pomeco 211	12.4"	42.3

Retrofit

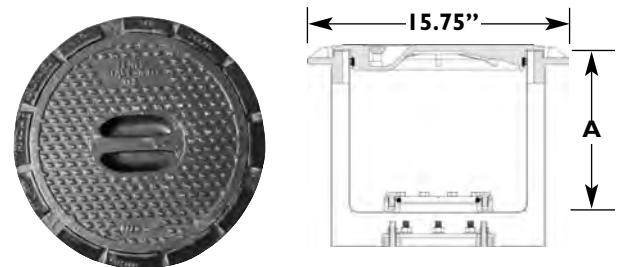
Fairfield, Pemco Stainless Steel

Fairfield SCM-5



Rim 15.5"; Lid 13.5"

Pemco 112



Rim 15.75"; Lid 13.13"

Model No.	Repairs	Lbs.
A1005-505CF5	Fairfield SCM-5	29.9

Model No.	Repairs	A	Lbs.
A1005-505CP1	Pemco 112	9.5"	24.0
A1005-505CP2	Pemco 112 Double Wall	9.8"	31.0

Spill Containment

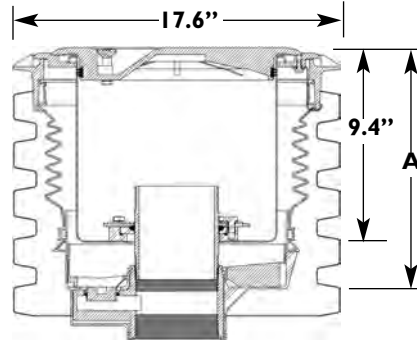
Retrofit

Emco Stainless Steel

Emco A1004-010 (Slimline)



Rim 17.6"; Lid 15.3"



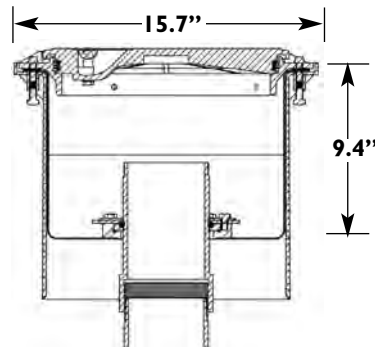
Model No.	Repairs	Min. Ht. A	Lbs.
A1005-505CEW3	Emco A1004-010 Series	10.5"	26.0
A1005-505CEW3DR 495202	Emco A1004-010 Series, Includes Drain Drain Plug Kit, A1004-010 Series	11.5"	26.0

*Minimum height is measured from the inside lip of the rim to the bottom of the bucket.
Inserts without drains will require purchase of the proper drain plug kit for the existing spill container.

Emco A1003



Rim 15.75"; Lid 15.75"



Model No.	Repairs	Min. Ht.	Lbs.
A1005-505CEW4	Emco A1003 Series	8.0"	28.0
A1005-505CEW4DR	Emco A1003 Series, Includes Drain	9.0"	28.3

*Minimum height is measured from the inside lip of the rim to the bottom of the bucket.

Spill Containment

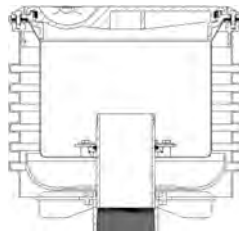
Retrofit

Emco Stainless Steel

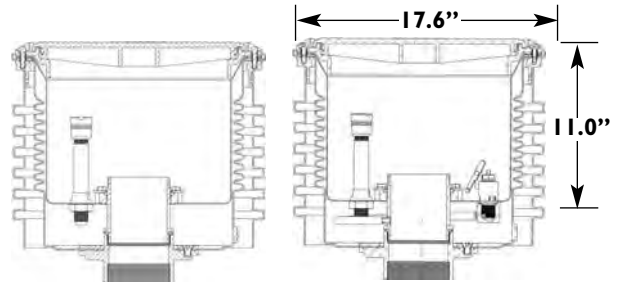
Emco A1004-210 Series



Rim 17.6"; Lid 15.3"



Kit for Single Wall



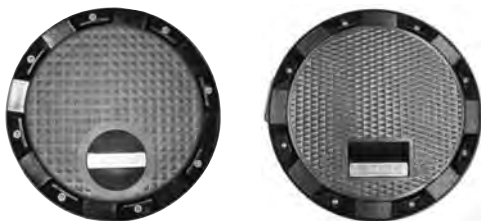
Kit for Double Wall

There are two styles of the A1004-210. Double wall versions require either an NPT or NPSM adapter; both adapters are included with each kit. You may return the unused adapter to Emco for credit. Single wall versions include an A0031-725 Riser Extension (-725P for drain versions). For stretched or compressed bellows applications, additional adapter lengths are available. Contact Customer Service at 800-234-4394.

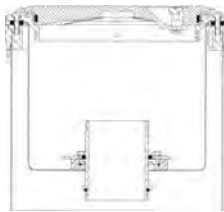
Model No.	Repairs	*Min. Ht.	Lbs.
A1005-505CEWI	A1004-211A Single Wall	10.0"	47.0
A1005-505CEWIDR	A1004-210A Single Wall, Includes Drain	11.0"	48.9
A1005-505CEWIG	A1004-211S Double Wall, Includes Primary Unit & EZ-Gage	10.8"	48.2
A1005-505CEWIGDR	A1004-210S Double Wall, Includes Primary Unit, Drain & EZ-Gage	11.5"	50.1
494697S	Drain Plug Kit, A1004-210 Series (Aluminum Drains)		
495202	Drain Plug Kit, A1004-210 Series (Plastic Drains)		

*Minimum height is measured from the inside lip of the rim to the bottom of the bucket.

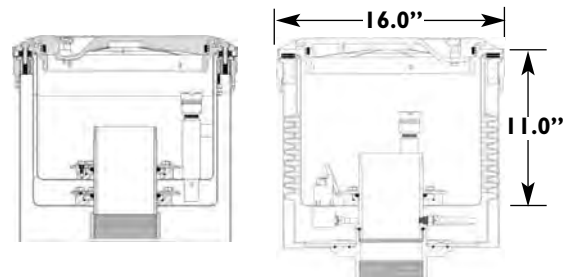
Emco A1004-316 Series



Rim 16"; Lid 13.2"



Kit for Single Wall



Kit for Double Wall

Adapters are included with these kits for nominal installation heights. For stretched or compressed bellows applications, additional adapter lengths are available. Contact Customer Service at 800-234-4394.

Model No.	Repairs	*Min. Ht.	Lbs.
A1005-505CEW2	A1004-317A Single Wall	10.3"	36.3
A1005-505CEW2DR	A1004-316A Single Wall, Includes Drain	11.3"	39.4
A1005-505CEW2G	A1004-317S Double Wall, Includes Primary Unit & EZ-Gage	10.1"	37.5
A1005-505CEW2GDR	A1004-316S Double Wall, Includes Primary & Secondary Units, Drain & EZ-Gage	11.0"	39.4
A1005-505CEW2GDW	A1004-317S Double Wall, Includes Primary & Secondary Units & EZ-Gage	10.1"	37.5
494697S	Drain Plug Kit, A1004-316 Series (Aluminum Drains)		
495202	Drain Plug Kit, A1004-316 Series (Plastic Drains)		

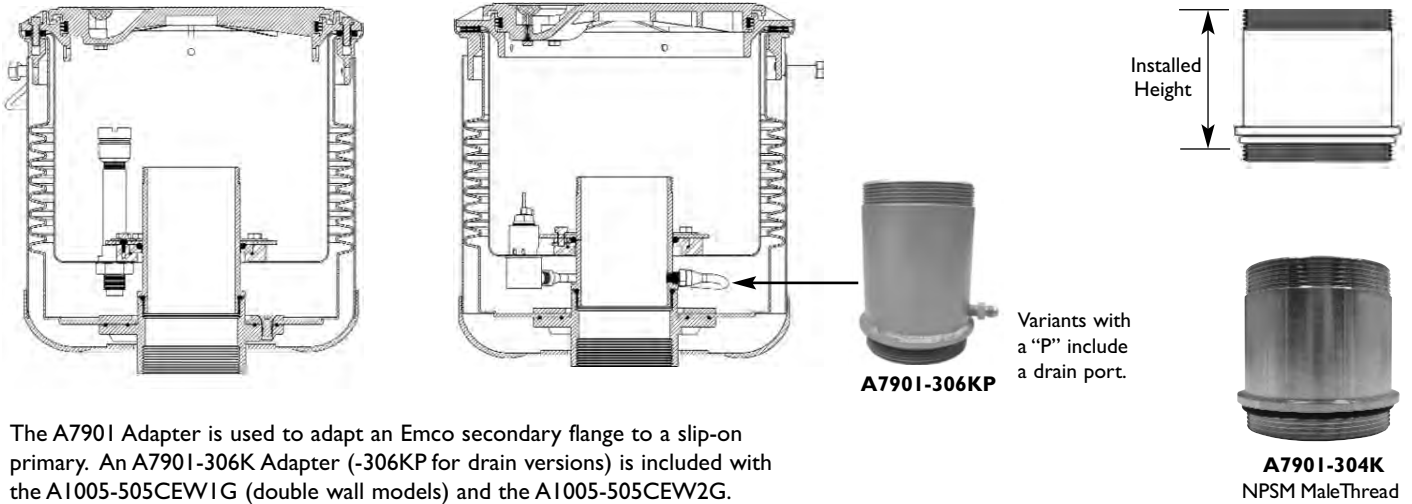
*Minimum height is measured from the inside lip of the rim to the bottom of the bucket.

Spill Containment

Retrofit

Accessories

A7901 Adapter



The A7901 Adapter is used to adapt an Emco secondary flange to a slip-on primary. An A7901-306K Adapter (-306KP for drain versions) is included with the A1005-505CEW1G (double wall models) and the A1005-505CEW2G.

Part No.	Installed Height	Description	Lbs.
A7901-304K	4.00"	A1005-505CEW1, CEW2	4.0
A7901-304KP	4.00"	A1005-505CEW1, CEW2	4.1
A7901-306K	6.00"	A1005-505CEW1, CEW2	7.5
A7901-306KP	6.00"	A1005-505CEW1, CEW2	7.6

Retrofit

Replacement Parts

Part No.	Description	Lbs.
494845	O-ring Kit, A1005-505 Series Includes 2 O-rings	1.0
495075	Flange/O-ring Kit, A1005-505C Includes 2-piece Ring Flange, Bolts, O-ring	
495271	Flange/O-ring Kit, A1005-505 Series Includes 3-piece Ring Flange, Bolts, Washers, Eccentric Ring, 2 O-rings	1.9



494845
O-Ring Kit



495075
A1005-505C Kit



495271
A1005-505 Series Kit

Retrofit

Testing Equipment

Part No.	Description	Diameter	Lbs.
A1004-210TEST	Test Unit	N/A	6.5
A0081-12TEST	Test Cover	12.40"	4.5
A0081-17TEST	Test Cover (-505CP)	17.38"	5.0

The A1004-210TEST is used with the A0081 Test Covers to perform vacuum testing on the A1005-505C Series Retrofit Spill Containment.



A1004-210TEST



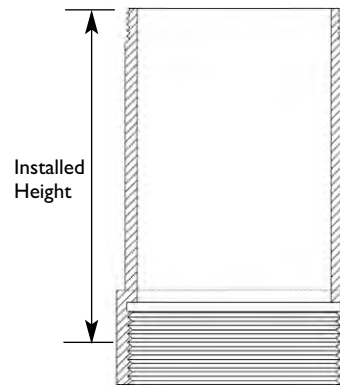
A0081-12TEST

Spill Containment

Riser Extensions - One-Piece

The Emco Wheaton A0031 Riser Extensions and Adapters are designed to compensate for riser pipe variations and to accommodate spill containment retrofits. The riser extensions have 4" NPT top and bottom threads. The riser adapters have 4" NPSM top and 4" NPT bottom threads.

Part No.	Installed Height	Top Threads	Bottom Threads	Lbs.
Riser Extensions				
A0031-175	1.75"	4" NPT	4" NPT	2.7
A0031-250	2.50"	4" NPT	4" NPT	3.7
Riser Adapters				
* A0031-250R	2.50"	4" NPSM	4" NPT	3.7
A0031-450	4.50"	4" NPSM	4" NPT	4.1
A0031-625	6.25"	4" NPSM	4" NPT	4.4
A0031-625P	6.25"	4" NPSM	4" NPT	4.5
A0031-725	7.25"	4" NPSM	4" NPT	6.4
A0031-725P	7.25"	4" NPSM	4" NPT	6.5
A0031-825	8.25"	4" NPSM	4" NPT	7.9
A0031-825P	8.25"	4" NPSM	4" NPT	8.0
A0031-900	9.00"	4" NPSM	4" NPT	9.0



Variants with a "P" include a drain port

*Includes 2 set screws, for use when the riser pipe threads are damaged.

Spill Containment

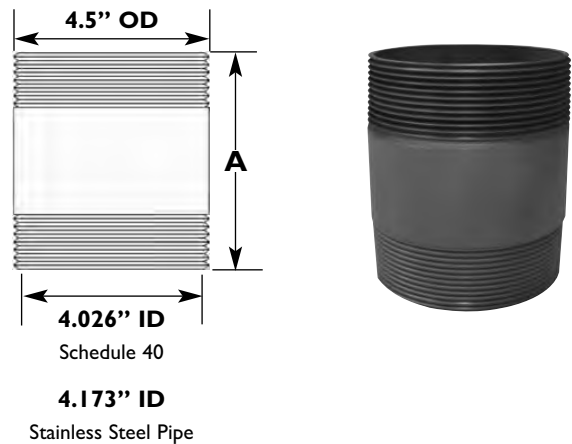
Riser Extensions - Two-Piece

Pipe Nipples

The Emco Wheaton A7901 Pipe Nipple is used in spill containment buckets to extend the fill pipe. The A7901 is available in schedule 40 pipe or stainless steel. The top and bottom threads are NPT.

The Schedule 40 nipples are made from flame controlled pipe with no internal weld bead and have a nominal ID of 4.026". The stainless steel nipples have a nominal ID of 4.173".

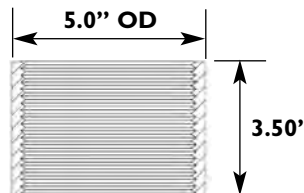
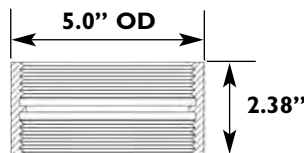
Schedule 40 Model No.	Stainless Steel Model No.	Lbs.	Length A
A7901-004C	A7901-004CSS	1.6	3" (close)
A7901-004	A7901-004SS	2.5	4"
A7901-005	A7901-005SS	3.4	5"
A7901-006	A7901-006SS	4.2	6"
A7901-008	A7901-008SS	5.9	8"
A7901-010	A7901-010SS	7.7	10"
A7901-012	A7901-012SS	9.4	12"
A7901-014	A7901-014SS	11.1	14"
A7901-015	A7901-015SS	12.0	15"
A7901-016	A7901-016SS	12.8	16"
A7901-018	A7901-017SS	14.5	18"
A7901-019	A7901-019SS	15.4	19"
A7901-020	A7901-020SS	16.3	20"
A7901-022	A7901-022SS	18.0	22"
A7901-024	A7901-024SS	19.7	24"
A7901-026	A7901-026SS	21.4	26"
A7901-028	A7901-028SS	23.1	28"
A7901-030	A7901-030SS	24.9	30"
A7901-032	A7901-032SS	26.6	32"
A7901-034	A7901-034SS	28.3	34"
A7901-036	A7901-036SS	30.0	36"



Pipe Couplings

The Emco Wheaton A7904-500 and A7904-004 Pipe Couplings convert a male riser pipe to a female, allowing for an extension nipple. The A7904-500 adds only 1/4" to the original riser.

Model No.	Height	Lbs.
A7904-500	2.38"	2.9
A7904-004	3.50"	4.5

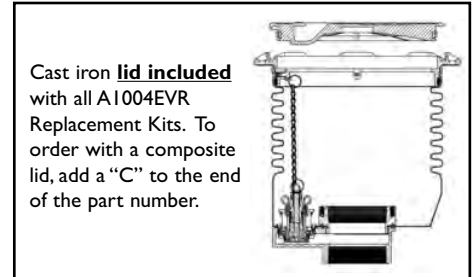


Spill Containment

Replacement Parts

Replacement Kits and Parts - A1004/A1005 Replaceable

Model No.	Description	Lbs.
A1004EVR-210		
494360EVR	5 Gal Poly Primary Replacement Kit (EVR-210A, SW/Drain)	64.0
494466EVR	Primary Replacement Kit (EVR-211A, SW/No Drain)	68.5
494466DEVR	Primary Replacement Kit (EVR-211AD, SW/Drain Plug)	68.5
494350EVR	Primary Replacement Kit (EVR-210S, DW/Drain)	71.4
494350EVR	Primary Replacement Kit (EVR-210S, DW/Drain) For old style A1004-210 (see photo at right)	71.4
494350EVR-CM	Primary Replacement Kit (EVR-210S-CM, DW/Drn/Sensor)	65.7
494467EVR	Primary Replacement Kit (EVR-211S, DW/No Drain)	67.7
494467EVR	Primary Replacement Kit (EVR-211S, DW/No Drain) For old style A1004-210 (see photo at right)	67.7
494467EVR-CM 570226	Primary Replacement Kit (EVR-211S-CM, DW/No Drn/Sensor) Rim Gasket <i>Refer to page 50 for stainless steel retrofit kits</i>	67.7
A1004EVR-215		
495494EVR	15 Gal Poly Primary Replacement Kit (EVR-215S, DW/Drain)	119.7
494550EVR	Primary & Secondary Replacement Kit (EVR-215S, DW/Drain)	117.5
494660EVR 570069	Primary & Secondary Replacement Kit (EVR-216S, DW/No Drn) Rim Gasket	117.5
A1004EVR-316		
494797EVR	5 Gal Poly, 16" Center Primary Replacement Kit (EVR-316A, SW/Drain)	53.5
494798EVR	Primary Replacement Kit (EVR-317A, SW/No Drain)	53.5
494794EVR	Primary Replacement Kit (EVR-316S, DW/Drain)	36.5
494794EVR-CM	Primary Replacement Kit (EVR-316S-CM, DW/Drain/Sensor)	20.9
494795EVR	Primary Replacement Kit (EVR-317S, DW/No Drain)	0.5
494795EVR-CM	Primary Replacement Kit (EVR-317S-CM, DW/No Drn/Sensor)	0.5
494888SS	Lid Handle Kit	
494836	Primary Rim Kit (lid not included)	
569989	Rim Gasket	
570587	Rim Screw	
572819-025	Rim Spacer Kit, 1/4"	
572819-037	Rim Spacer Kit, 3/8"	
572819-050	Rim Spacer Kit, 1/2"	
572819-100	Rim Spacer Kit, 1"	
572819-100ALT	Rim Spacer Kit, 1" Multi-piece <i>Refer to page 50 for stainless steel retrofit kits</i>	
A1005-517/-518		
494845	5 Gal Stainless Steel O-ring Kit	16.0
494897	Flange Seal, A1005-517GS	1.0
494836	Primary Rim Kit (lid not included)	2.0
495075	Mounting Kit, Non-Eccentric Ring	
495102	Mounting Kit, Eccentric Ring	
495229	Mounting Kit, A1005-517GS3.8	
495370	Primary Replacement Kit, (w/lid) A1005-518GP	
495370X	Primary Replacement Kit, (w/o lid) A1005-518GP	
495524	Bellows Gasket Kit, A1005-518GP	
495644	Conversion Kit, A1005-518GP to A1004EVR-317SS	
569989	Rim Gasket	



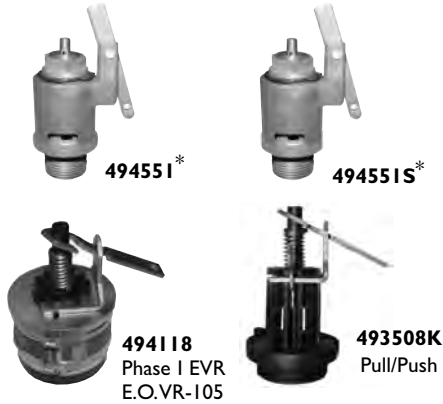
Repair Parts - A1004/A1005 Non-Replaceable

	Model No.	Description	Lbs.
A1004-010 Slimline Series	A1005-505CEW3	Stainless Steel Retrofit (refer to page 49)	26.0
A1005-001	493855	Bellows Assembly 4"	1.4

Spill Containment

Replacement Parts

Drain Assemblies



Spill Containment Model No.	Drain Assembly	Drain Plug Kit	Drain Adapter
Replaceable			
A1004 Poly	494551*	494697P, 494697	494875
A1004EVR 5 gal	494118	495202, 494698	N/A
A1004EVR 15 gal	494118	495202, 494698	494952
A1005-505 SST Retrofits	494551S*	494697S	N/A
A1005 Stainless Steel	493508K	495202, 494698	N/A
Non-Replaceable			
A1003 Poly	N/A	495677	N/A
A1004 Slimline, Fatboy	493508K	495202, 494698	N/A
A1004EVR Slimline	494118	495202, 494698	N/A

*No longer used in new spill containers; limited supply available for replacement parts.



493820
Drain Wrench
For use on 494118 & 493508K Drains

Drain Plug Kits



Drain Adapter



Dip Sticks



Model No.	Description	Lbs.
494641	Dipstick	0.7
494367	Dipstick, EVR Spill Containment	1.2
A1004-001GAGE	EZ-Gage, Emco Spill Containment	1.1

EZ-Gage

A1004-001GAGE

For use on 5 gallon double wall spill containment in place of a dipstick. The EZ-Gage allows for hands-free, visual inspection of interstitial space, displaying green (OK) or red (TEST) to indicate if liquid removal is required.



495625 O-ring Replacement Kit



Electronic Sensor

Easy access to sensor eliminates bucket removal for annual sensor testing. Provides an access to remove liquid, and for interstitial vacuum testing from the secondary containment. Includes factory-installed liquid electronic sensor with 30' cable. Accommodates the Veeder Root system. Contact Customer Service for information on ordering sensors for other systems.

Model No.	Description	Lbs.
A1004-001SEN	Sensor Kit	1.2
494890	Sensor Test Port Cap	1.0



Normal Position



Test Position

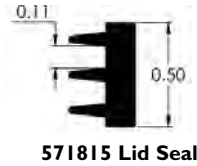
Spill Containment

Replacement Parts

Lids

A1004EVR-210 Series

Description	Seal	Lid Dia.	Cast Iron Lid		Composite Lid	
			Model No.	Lbs.	Model No.	Lbs.
Black	571815	15.3"	A1004-210LID	20.0	A1004-210LID-C	8.3
Yellow, ULSD	571815	15.3"	A1004-210LID-D	20.0	A1004-210LID-CD	8.3
White, Regular	571815	15.3"	A1004-210LID-R	20.0	A1004-210LID-CR	8.3
Red, Ultra/Premium	571815	15.3"	A1004-210LID-U	20.0	A1004-210LID-CU	8.3
Orange, Vapor	571815	15.3"	A1004-210LID-V	20.0	A1004-210LID-CV	8.3

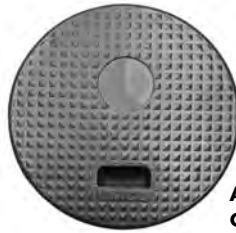


571815 Lid Seal



Vent Valve
Installed
In All Lids

495067K Vent Valve Replacement Kit



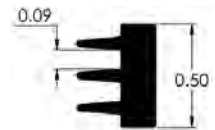
A1004-210LID
Cast Iron



A1004-210LID-C
Composite

A1004EVR-316, A1005-517 & -518 Series

Description	Seal	Lid Dia.	Cast Iron Lid		Composite Lid	
			Model No.	Lbs.	Model No.	Lbs.
Black	570012	13.2"	A1004-316CLID	15.9	A1004-316LID	6.6
Yellow, ULSD	570012	13.2"	A1004-316CLID-D	15.9	A1004-316LID-D	6.6
White, Regular	570012	13.2"	A1004-316CLID-R	15.9	A1004-316LID-R	6.6
Red, Ultra/Premium	570012	13.2"	A1004-316CLID-U	15.9	A1004-316LID-U	6.6
Orange, Vapor	570012	13.2"	A1004-316CLID-V	15.9	A1004-316LID-V	6.6



570012 Lid Seal



A1004-316CLID
Cast Iron



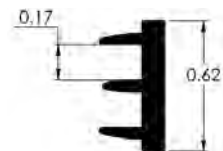
A1004-316LID
Composite

15 Gallon Series; Non-Replaceable Series

Spill Containment Model No. Series	Cast Iron Lid Model No.	Seal	Lid Dia.	Lbs.
A1004EVR-215	494554	569227	17.3"	29.5
A1005-010TM	494554	569227	17.3"	29.5
A1003	493123	571126	15.8"	19.1
A1004-003	566332	N/A	16.3"	24.1
A1004-010	A1004-210LID	571815	15.3"	20.0
A1005-001, -501	A1004-210LID	571815	15.3"	20.0



494554
15 Gallon



569227 Lid Seal



493123
A1003 Series



566332
A1004 Fatboy



A1004-210LID
A1004 Slimline

Replacement Parts

Lids

A1005-505 Retrofit

Spill Containment Model No.	Cast Iron Lid Model No.	Lid Seal	Lid Dia.	Lbs.
A1005-505CA, CAZ	A1005-505CAL	568961	13.8"	16.6
A1005-505C, CD, C5, CBG, CS, CZ	A1005-505CL	568961	13.7"	16.6
A1005-505CC, CC5	A1005-505CCL	568961	12.4"	16.6
A1005-505CE, CE15, CES	A1005-505CEL	568961	13.7"	16.6
A1005-505CEW3	A1005-505CEW3L	570012	15.4"	14.9
A1005-505CF1	A1005-505CFL1	568961	13.9"	16.5
A1005-505CF5	A1005-505CF5L	568961	13.5"	15.2
A1005-505C4	A1005-505CL4	568961	12.8"	12.3
A1005-505CPEM, CPED	A1005-505CPEML	568961	12.8"	13.3
A1005-505CP	A1005-505CPL	570012	17.6"	24.5
A1005-505CU	A1005-505CUL	568961	12.8"	13.4
A1005-505CU70, CEW4	A1005-505CUL70	568961	15.0"	16.9
A1005-505CEW1, CEW1DR	A1004-210LID	571815	15.3"	20.0
A1005-505CEW2, CEW2DR	A1004-316CLID	570012	13.2"	15.9

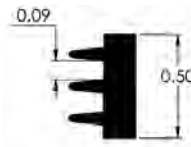


A1005-505CL

A1005-505 Series Lid Seals

Measure inside diameter as shown

10 3/8" - 10 1/2"	568961 Seal
12 3/4" - 13"	570012 Seal



568961 Lid Seal
570012 Lid Seal

494335 Lid for OPW I-2100 Series

Incorporates the features of Emco Wheaton A1004 lids: exclusive triple wiper seal, built-in side handle, cast iron construction, and meets AASHTO H20 wheel loading.

Replaces original OPW I-2100 series lid; not for use with A1005-505 Stainless Steel Retrofit Spill Containment. Refer to above chart for A1005-505 Series Lids.



Model No.	Description	Lbs.
494335	Lid for OPW I-2100 Series	21.3
568961	Replacement Seal	0.3

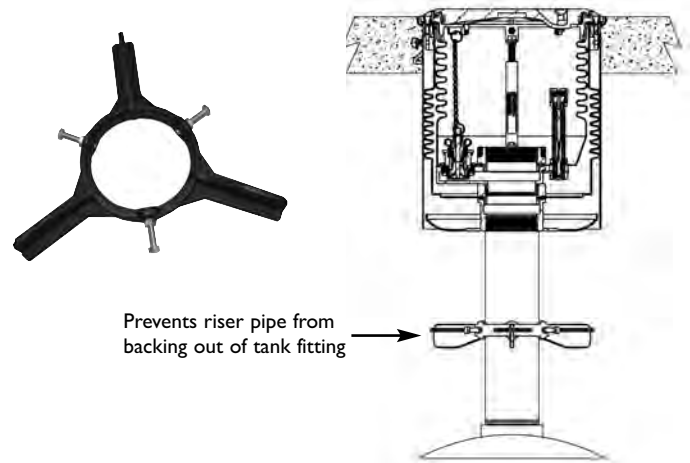
Spill Containment

Spill Containment Accessories

A0028 Riser Lock

The Emco Wheaton A0028-001 Riser Lock is designed to lock the riser pipe in place when removing manholes or adapters. Can be used on 3" and 4" pipe.

Model No.	Lbs.
A0028-001	5.4



A0333 Hand Pump

The Emco Wheaton A0333 Hand Pump is a thermoplastic self-venting pump. The A0333-002 is acceptable for use with A1003, A1004 and A1005 Spill Containment.

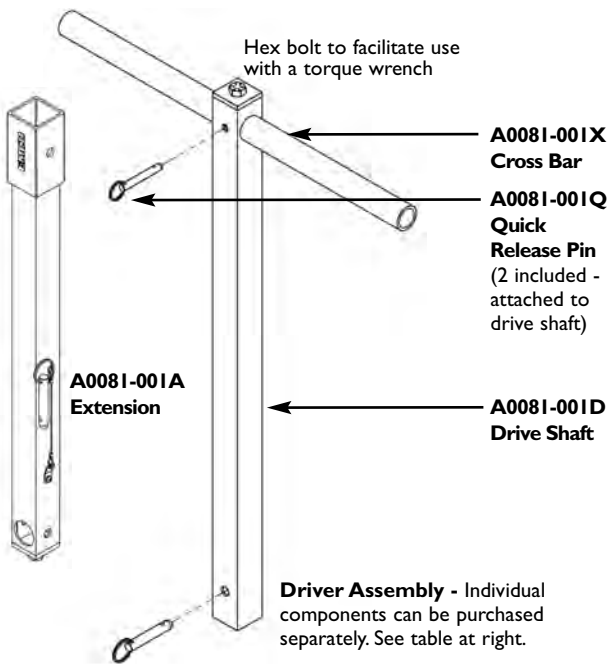
Model No.	Description	Lbs.
A0333-002	Hand Pump	1.3
A0333-003	Hand Pump w/ Mounting Bracket for A1005-001	3.0
A0333-004	Hand Pump w/ Mounting Bracket for A1005-501	3.0



**TOOLS & TEST
EQUIPMENT**

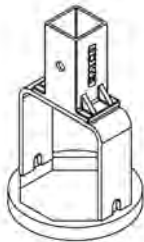
Tools

A0081 Wrench



Emco Wheaton A0081 Wrenches are specially designed for the installation and repair of Emco Wheaton spill containers and adapters. Wrenches are available as complete units. Components can also be purchased individually. The A0081-001SET is a standard tool kit; components listed on following page. The wrenches are steel construction, and are powder coated blue.

Model No.	Application	Lbs.
Tool Box Set		
A0081-001SET	Standard Tool Kit	92.3
A0081-001SET-NB	Standard Tool Kit w/o Tool Box	38.8
Complete Wrenches		
A0081-001	Fill/Vapor Adapter	16.7
A0081-001H	Spill Container (w/Drain)	11.2
A0081-001L	Fill Adapter Lug	13.1
A0081-001R	Retrofit Spill Container	17.6
A0081-001S	Secondary Flange Removal	16.5
A0081-003	Pipe Nipple Extractor	14.3
A0081-003M	Spill Container (w/o Drain)	12.0
Individual Components		
A0081-001B	Fill/Vapor Adapter Bit	5.6
A0081-001HB	Spill Container (w/Drain) Bit	5.2
A0081-001LB	Fill Adapter Lug/Riser Seal Bit	2.0
A0081-001RB	Retrofit Spill Container Bit	6.5
A0081-001SB	Secondary Flange Removal Bit	5.3
A0081-003B	Pipe Nipple Extractor Bit	3.1
A0081-003MB	Spill Container (w/o Drain) Bit	23.5
A0081-001A	Drive Shaft Extension	6.3
A0081-001D	Drive Shaft	7.0
A0081-001X	Cross Bar	4.2
A0081-001Q	Quick Release Pin	0.1
A0081-001TB	Tool Box (empty)	53.5
Box - 44"x15"x12"; Overall - 48"x16"x12"		



A0081-001B

A0081-001 Fill/Vapor Adapter Wrench

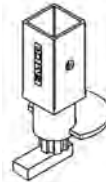
Use to install and remove fill and vapor adapters with octagonal bases, and the 494096 Riser Seal. Fits OPW fill and vapor adapters.



A0081-001LB

A0081-001L Fill Adapter Lug Wrench

Use to install and remove fill adapters with lugs. Use to adjust the center insert of the 494096 Riser Seal. Replaces the 494120 Riser Seal Wrench. Fits OPW 3" and 4" adapters.



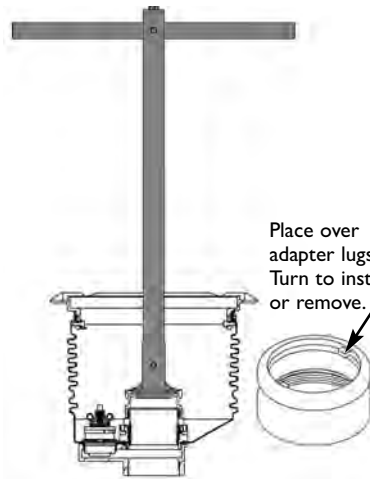
A0081-001HB

A0081-001H Spill Container (w/Drain) Wrench

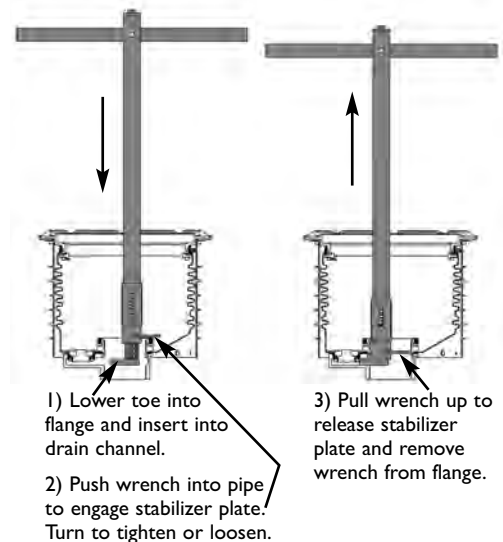
Use for installation and removal of spill containers.



Place over hex on adapter. Turn to install or remove. Recommended torque: 60-75 ft. lbs.

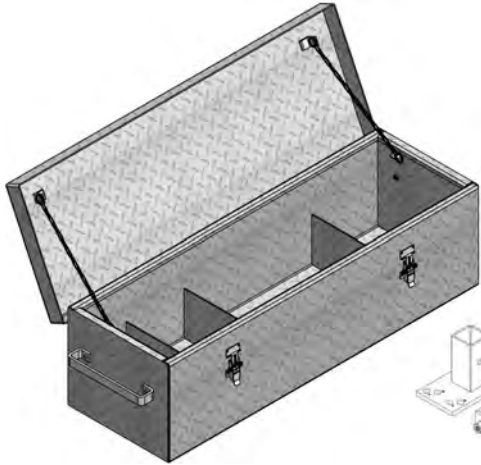


Place over adapter lugs. Turn to install or remove.

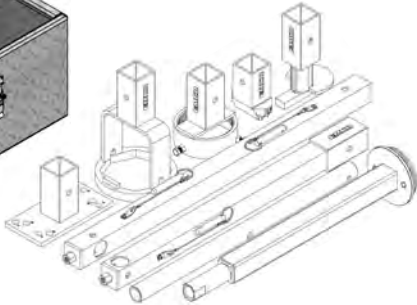


- 1) Lower toe into flange and insert into drain channel.
- 2) Push wrench into pipe to engage stabilizer plate. Turn to tighten or loosen.
- 3) Pull wrench up to release stabilizer plate and remove wrench from flange.

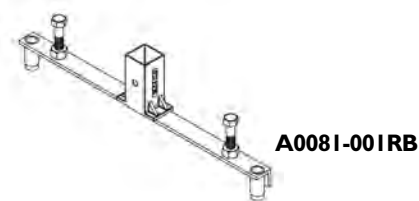
A008 I Wrench



A008I-00ISET
Standard Tool Kit



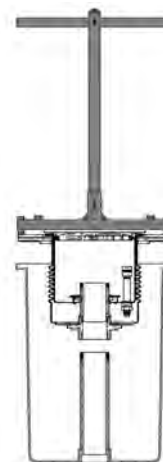
A008I-001A Drive Shaft Extension	A008I-001LB Fill Adapter Lug/Riser Seal Bit
A008I-001D Drive Shaft	A008I-001SB Secondary Flange Removal Bit
A008I-001X Cross Bar	A008I-003B Pipe Nipple Extractor Bit
A008I-001B Fill/Vapor Adapter Bit	A008I-003MB Spill Container (w/o Drain) Bit
A008I-001HB Spill Container Bit	A008I-001TB Tool Box



A008I-001RB

A008I-001R
Retrofit Lid Wrench

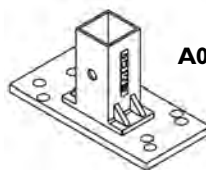
Required for installation of A1005-516R/-518R Retrofit Spill Containment (OPW 500/700 retrofit). **Not included in standard tool kit.**



A008I-003MB

A008I-003M
Spill Container (w/o Drain) Wrench

Use for installation and removal of spill containers without drains.



A008I-001SB

A008I-001S
Secondary Flange Removal Wrench

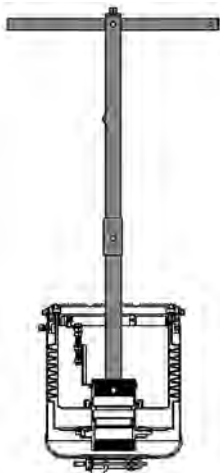
Use to remove secondary containment assemblies.



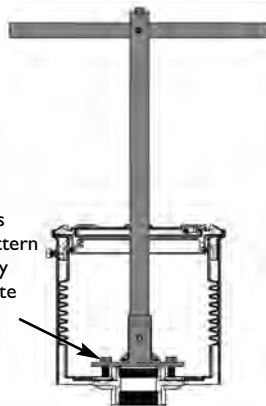
A008I-003B

A008I-003
Pipe Nipple Extractor

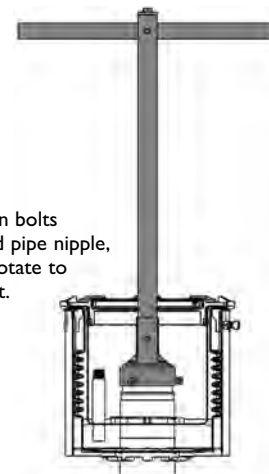
Use to remove and install 4" pipe nipples.



Tighten bolts into hole pattern on secondary flange – rotate to remove.



Tighten bolts around pipe nipple, then rotate to extract.



Tools and Test Equipment

Tools

493820 Drain Wrench

The 493420 Drain Wrench is used for installation and removal of the Emco Wheaton A1004EVR Spill Containment drain valves.



494240 Adapter Torque Wrench

The 494240 is used to verify the static torque of the swivel adapter in accordance to CARB Test Procedure TP.201.1B



566675 Drill Fixture

The 566675 Drill Fixture is used to accurately drill the rivet holes on the top drop tube for the Emco Wheaton A1100EVR collar assembly.



A0081-001LC Cam-Lock Wrench

The A0081-001LC Cam-Lock Wrench is used to install and remove the A0716 Composite Manhole cam-lock lids.



Test Equipment

A0081-1100 A1100 Testing Tool

The A0081-1100 Testing Tool is used to quickly and easily test the A1100-T series Testable Overfill Prevention Valve, without removing the valve from the riser.



A0081 Test Cover

The A0081 Test Cover is used with the Emco A1004-210TEST to perform vacuum testing on spill containment.

Part No.	Spill Containment	Diameter	Lbs.
A0081-12TEST	A1005-505 Series	12.40"	4.5
A0081-13TEST	A1004-316/517 Series	13.13"	4.5
A0081-15TEST	A1004-210 Series	15.25"	4.7
A0081-17TEST	A1004-215 Series, A1005-505CP	17.38"	5.0



A0099-001TEST Vapor Test Cap

The A0099-001TEST Vapor Test Cap is used when performing a pressure decay test. The cap incorporates the same features as the A0099-002 Vapor Cap. The extended tube underneath the cap opens the poppet on the vapor adapter. Pressure is injected through the Schrader valve, and a gauge can be connected to the barbed fitting.



A1004-210TEST Vacuum Apparatus w/Test Adapter

The A1004-210TEST is designed to perform vacuum testing on interstitial space in double wall spill containment. 6.5 lbs.

Model No.	Description
A1004-210TEST	Vacuum Test Apparatus
494343	Test Adapter
569143	Test Cap Assembly
569194	Air Switch 1/8"
569195	Air Regulator 1/8"



494343
Test Adapter



569143
Test Cap



A1004-210TEST
Test Apparatus

Composite Manholes

A0716 Composite Manholes

The Emco Wheaton A0716 Composite Manhole is designed with lightweight, slip-resistant composite manhole covers, using the latest manufacturing technology to ensure porosity-free molding, and compact, homogeneous distribution of reinforcing fiber. The covers also utilize a UV resistant treatment to protect against sun and weather damage.

Emco composite lids have a 36 month warranty. The ManholeTrak Warranty Tracking System is available on our website, www.emcoretail.com.

- Meets AASHTO H20 Wheel Loading
- Slip resistant tread pattern
- Powder coated cast steel cam with o-ring
- Stainless steel fittings cam-lock fittings etched to show open and close directional arrows; field replaceable
- Stainless steel pry bar cleat
- Galvanized steel skirt (18")



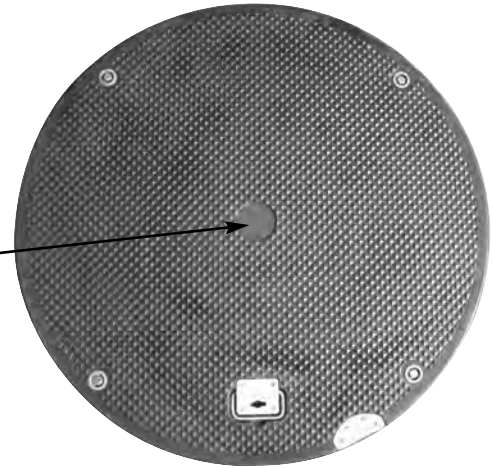
39", 42" & 44" Models

- Domed top construction to shed water
- Stainless steel dual handle - spring-loaded and key-lift
- Hot rolled steel skirt
- Concrete anchors

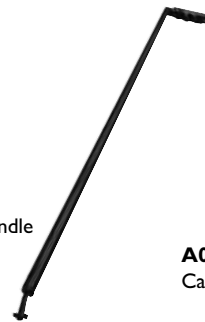


Serial Number

Recessed spot
face for fuel grade
ID markers



569427
Euro Lift Handle



A0081-004CL
Cam-Lock Wrench



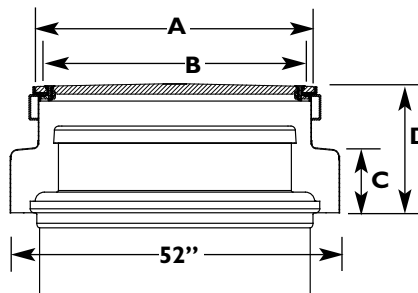
Wedding Cake Assemblies

Installs over containment sump

Part Number	Lid Dim. A	Clear Hole Dim. B	Height C	Height D
A0716-042CW	43.75"	41.63"	10.10"	21.25"
A0716-042CDW*	43.75"	41.63"	10.10"	21.25"
A0716-044CW	44.25"	41.69"	10.10"	21.25"
A0716-044CDW*	44.25"	41.69"	10.10"	21.25"

*Includes water-tight D-Seal

Add "S" suffix for stainless steel rim and skirt



All composite manholes are available with Type 304 stainless steel rim and skirt

Model Number	Style	Lid Dia. A	Overall Dia. B	Clear Hole C	Skirt ID D	Overall Ht. E	Lbs.
A0716-018SS	18" Lay-in	17.0"	17.9"	15.9"	16.1"	13.0"	32
A0716-039SS	39" Lay-in	39.5"	40.9"	37.8"	38.3"	13.0"	190
A0716-042SS	42" Lay-in	43.8"	45.2"	42.0"	42.5"	13.0"	221
A0716-044SS	44" Lay-in	44.3"	45.7"	42.5"	43.1"	13.0"	228

Cam-lock versions available - add a "C" to the end of the part number.

Painted Lids - API Product Codes

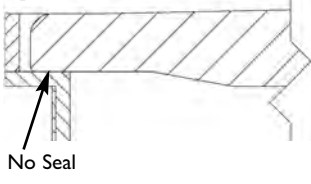
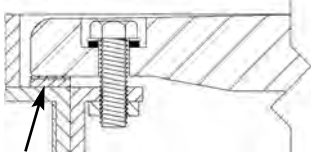
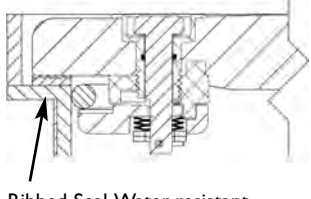
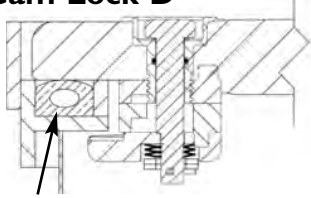
Add to the end of the variant number:

- D Yellow ULSD
- R White Regular
- U Red Premium

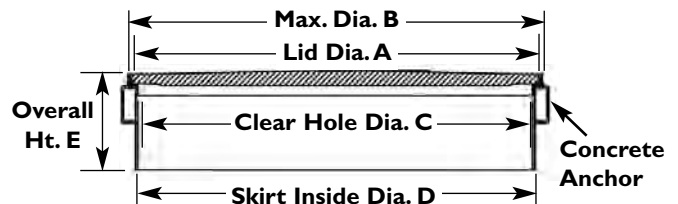
Contact Customer Service at 800-234-4394 for additional colors

Composite Manholes

A0716 Composite Manholes

Seal Options	Model Number	Style	Lid Dia. A	Overall Dia. B	Clear Hole ID C	Skirt ID D	Overall Ht. E	Lbs.
Lay-In  <p>No Seal</p>	A0716-018	18" Lay-in	17.0"	17.8"	16.0"	17.0"	11.0"	37.3
	A0716-018L	18" Lid Only Lay-in	17.0"	--	--	--	--	12.9
	*A0716-039	39" Lay-in	39.5"	40.9"	37.8"	38.3"	10.0"	166
	A0716-039LID	39" Lid Only Lay-in	39.5"	--	--	--	--	120
	*A0716-042	42" Lay-in	43.8"	45.2"	42.0"	42.5"	10.0"	182
	A0716-042LID	42" Lid Only Lay-in	43.8"	--	--	--	--	137
	A0716-044	44" Lay-in	44.3"	45.7"	42.5"	43.1"	10.0"	188
A0716-044LID	44" Lid Only Lay-in	44.3"	--	--	--	--	143	
Bolt-Down  <p>Ribbed Seal, Water-resistant</p>	A0716-039B	39" Bolt-down	39.5"	40.9"	35.5"	38.3"	10.0"	170
	A0716-039BL	39" Lid Only Bolt-down	39.5"	--	--	--	--	120
	A0716-042B	42" Bolt-down	43.8"	45.2"	38.5"	42.5"	10.0"	174
	A0716-042BL	42" Lid Only Bolt-down	43.8"	--	--	--	--	137
	A0716-044B	44" Bolt-down	44.3"	45.7"	40.3"	43.1"	10.0"	199
	A0716-044BL	44" Lid Only Bolt-down	44.3"	--	--	--	--	143
Cam-Lock  <p>Ribbed Seal, Water-resistant</p>	A0716-018C	18" Cam Lock	17.0"	17.7"	15.1"	17.0"	11.0"	38.9
	A0716-018CW	18" Cam Lock White Lid	17.0"	17.7"	15.1"	17.0"	11.0"	38.9
	A0716-018CL	18" Lid Only Cam Lock	17.0"	--	--	--	--	14.6
	A0716-018CWL	18" Lid Only White Cam Lock	17.0"	--	--	--	--	14.6
	A0716-039C	39" Cam Lock	39.5"	40.9"	36.8"	38.3"	10.0"	175
	A0716-039CL	39" Lid Only Cam Lock	39.5"	--	--	--	--	123
	A0716-042C	42" Cam Lock	43.8"	45.2"	41.0"	42.5"	10.0"	208
	A0716-042CL	42" Lid Only Cam Lock	43.8"	--	--	--	--	161
	*A0716-044C	44" Cam Lock	44.3"	45.7"	41.5"	43.1"	10.0"	211
	A0716-044CL	44" Lid Only Cam Lock	44.3"	--	--	--	--	163
Cam-Lock-D  <p>D-Seal, Water-tight</p>	A0716-039CD	39" Cam Lock w/D-Seal	39.5"	40.9"	36.8"	38.3"	10.0"	175
	A0716-042CD	42" Cam Lock w/D-Seal	43.8"	45.2"	41.0"	42.5"	10.0"	208
	A0716-044CD	44" Cam Lock w/D-Seal	44.3"	--	--	--	--	211

*Most common variant
 Custom skirt heights available upon request



- 570897 Replacement Rib Seal, -018C
- 495157 Replacement Rib Seal, -039B, -039C
- 494988 Replacement Rib Seal, -042B, -042C, -044B, -044C
- 495561 Replacement D-Seal, -039CD
- 495562 Replacement D-Seal, -042CD, -044CD
- 494781K Replacement Cam-Lock Assembly, -039C, -042C, -044C
- 494781LK Replacement Cam-Lock-D Assembly, -039CD, -042CD, -044CD

Composite Drop-In Replacement Lids for Competitors' Manholes					
Emco	OPW	Franklin	Flexing	Morrison	Environ
A0716-039E					WTM-3911
A0716-039LID	E00618	781-448-06			
A0716-039M				318L-3812ACC	
A0716-042LID			14U-4210C		
A0716-044LID	E00626	781-445-06			
A0716-044E					WTM-4511, WTM-4521
A0716-044M				318L-4412ACC	

Standard Manholes

A0717 Round Manholes

The Emco Wheaton A0717 multi-purpose manhole provides access to all types of underground storage or containment vessels and meets AASHTO H20 wheel loading.

- Open throat design for easy access
- Optional galvanized steel or polyethylene skirt (8" & 12")
- Bolt-down units have water-resistant lids
- Cam-lock units have water-tight lids
- Built-in handle (18")
- Custom skirt heights available on all models

24" - 48" Models

- Diamond plate steel lid
- Hot rolled steel skirt
- Concrete anchors
- T-bar frame
- Recessed handle
- Available in lay-in, bolt-down and cam-lock versions



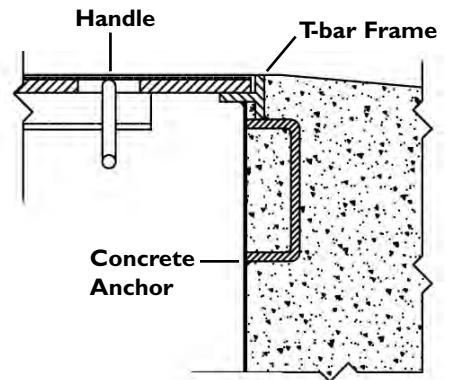
A0717-036B



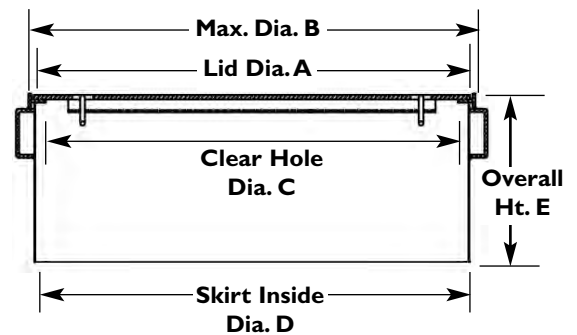
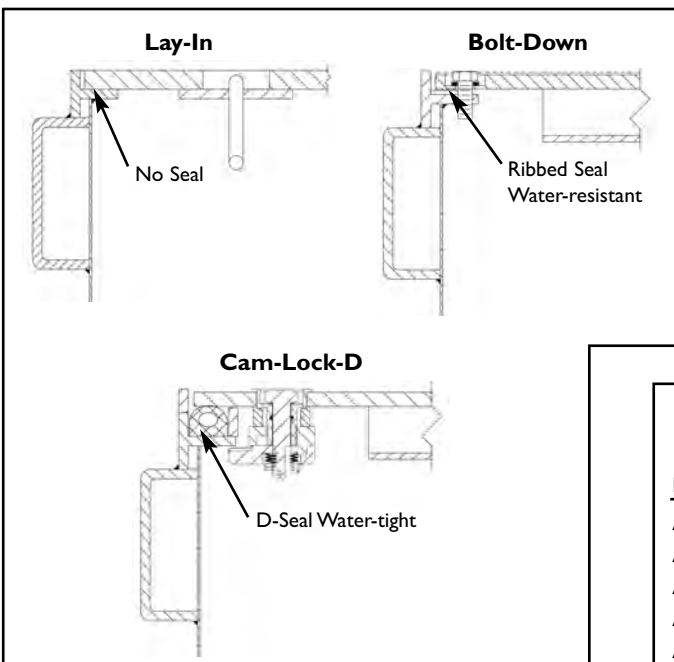
A0717-018B

A0717-188

A0717-022B



Seal Options (24" - 48" Models)



3/8" Steel Drop-In Replacement Lids For Competitors' Manholes

Emco	OPW	Franklin	Flexing	Morrison
A0717-039LID	E00618	781-448-06		
A0717-039M				318L-3812ACC
A0717-042LID			14U-4210C	
A0717-044LID	E00626	781-445-06		
A0717-044M				318L-4412ACC

Standard Manholes

A0717 Round Manholes

	Model Number	Style	Skirt	Lid	Lid Dia.		Max. Dia. B	Clear Hole Dia. C	Skirt I.D. D	Overall Ht. E	Lbs.
					A						
8"	A0717-188	Lay-in	Steel	Cast Iron	9.0"		9.9"	8.0"	8.4"	9.0"	11.2
	A0717-008	Lay-in	Poly	Cast Iron	9.0"		9.9"	8.0"	8.1"	13.0"	13.2
	A0717-108	Lay-in	Steel	Cast Iron	9.0"		9.9"	8.0"	8.4"	13.0"	12.6
12"	* A0717-128	Lay-in	Steel	Cast Iron	12.4"		13.8"	11.3"	12.0"	9.0"	21.8
	* A0717-022	Lay-in	Poly	Cast Iron	12.4"		13.8"	11.3"	12.0"	12.0"	18.0
	A0717-022B	Bolt-down	Poly	Cast Iron	12.4"		13.8"	9.4"	12.0"	12.0"	23.0
	* A0717-122	Lay-in	Steel	Cast Iron	12.4"		13.8"	11.3"	12.0"	12.0"	25.3
	A0717-122B	Bolt-down	Steel	Cast Iron	12.4"		13.8"	9.4"	12.0"	12.0"	28.8
	A0717-122FG	Lay-in, w/finger hole	Steel	Cast Iron	12.4"		13.8"	11.3"	12.0"	12.0"	26.0
	567177	Lid Only		Cast Iron	12.4"						10.0
18"	* A0717-018	Lay-in	Steel	Cast Iron	17.0"		17.8"	16.0"	16.6"	12.0"	51.0
	A0717-018A	Lay-in	Steel	Cast Iron	17.0"		17.8"	16.0"	16.6"	19.0"	58.1
	A0717-018B	Bolt-down	Steel	Cast Iron	17.0"		17.2"	14.1"	16.9"	12.0"	56.3
	567715X	Lid Only Lay-in (Old style)		Cast Iron	17.3"						26.5
	570893L	Lid Only Lay-in (> 05/14)		Cast Iron	17.0"						22.9
24"	A0717-024	Lay-in	Steel	3/8" Steel	23.6"		24.5"	21.6"	23.1"	13.0"	88.0
	A0717-024A	Lay-in	Steel	3/8" Steel	23.6"		24.5"	21.6"	23.0"	19.0"	98.0
	A0717-024CD	Cam Lock w/D-Seal	Steel	3/8" Steel	23.6"		24.5"	21.6"	23.0"	13.0"	90.0
	A0717-024CDA	Cam Lock w/D-Seal	Steel	3/8" Steel	23.6"		24.5"	21.6"	23.0"	19.0"	101.0
	A0717-124	Bolt-down	Steel	3/8" Steel	23.6"		24.5"	21.6"	23.0"	13.0"	90.0
	A0717-124B	Bolt-down	Steel	3/8" Steel	23.6"		24.5"	21.6"	23.0"	19.0"	100.0
30"	A0717-030	Lay-in	Steel	3/8" Steel	29.6"		30.5"	27.6"	29.0"	13.0"	125.0
	A0717-030B	Bolt-down	Steel	3/8" Steel	29.6"		30.5"	27.6"	29.0"	13.0"	127.0
	A0717-030CD	Cam Lock w/D-Seal	Steel	3/8" Steel	29.6"		30.5"	27.6"	29.0"	13.0"	128.0
36"	A0717-036	Lay-in	Steel	1/2" Steel	35.6"		36.5"	33.6"	35.0"	13.0"	206.0
	A0717-036B	Bolt-down	Steel	1/2" Steel	35.6"		36.5"	33.6"	35.0"	13.0"	208.0
	* A0717-136	Lay-in	Steel	3/8" Steel	35.6"		36.5"	33.6"	35.0"	13.0"	189.0
	A0717-136B	Bolt-down	Steel	3/8" Steel	35.6"		36.5"	33.6"	35.0"	13.0"	191.0
37"	A0717-037CD	Cam Lock w/D-Seal	Steel	3/8" Steel	37.0"		37.9"	35.0"	35.0"	13.0"	203.0
	A0717-037CDA	Cam Lock w/D-Seal	Steel	3/8" Steel	37.0"		37.9"	35.0"	35.0"	19.0"	218.0
38"	A0717-038	Lay-in	Steel	1/2" Steel	39.6"		40.5"	37.6"	39.0"	13.0"	270.0
	A0717-038A	Lay-in	Steel	1/2" Steel	39.6"		40.5"	37.6"	39.0"	19.0"	286.0
	A0717-038B	Bolt-down	Steel	1/2" Steel	39.6"		40.5"	37.6"	39.0"	13.0"	272.0
	* A0717-038C	Lay-in	Steel	3/8" Steel	39.6"		40.5"	37.6"	39.0"	13.0"	225.0
	A0717-038CB	Bolt-down	Steel	3/8" Steel	39.6"		40.5"	37.6"	39.0"	13.0"	227.0
42"	A0717-042A	Lay-in	Steel	1/2" Steel	44.1"		45.0"	42.1"	43.5"	13.0"	324.0
	A0717-042AB	Lay-in	Steel	1/2" Steel	44.1"		45.0"	42.1"	43.5"	19.0"	341.5
	A0717-042B	Bolt-down	Steel	1/2" Steel	44.1"		45.0"	42.1"	43.5"	13.0"	326.0
	A0717-042CD	Cam Lock w/D-Seal	Steel	3/8" Steel	44.1"		45.0"	42.1"	43.5"	13.0"	327.0
	A0717-042CDA	Cam Lock w/D-Seal	Steel	3/8" Steel	44.1"		45.0"	42.1"	43.5"	18.0"	344.5
	A0717-042D	Lay-in	Steel	3/8" Steel	44.1"		45.0"	42.1"	43.5"	13.0"	268.5
48"	A0717-048	Lay-in	Steel	1/2" Steel	47.1"		48.0"	45.1"	46.5"	13.0"	362.0
	A0717-048CD	Cam Lock w/D-Seal	Steel	3/8" Steel	47.1"		48.0"	45.1"	46.5"	13.0"	365.0
	A0717-148	Lay-in	Steel	3/8" Steel	47.1"		48.0"	45.1"	46.5"	13.0"	301.0

*Most common variant

Standard Manholes

A0717 Square Manholes and Vaults



A0717-724VW



Lift Assist

A0717-736VWL

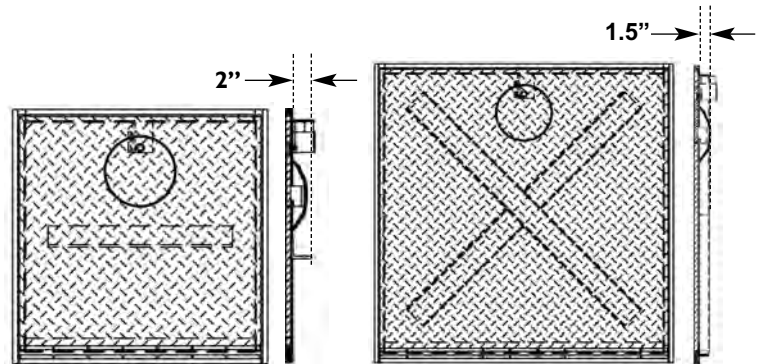
The Emco Wheaton A0717 square manhole provides ease of access to a variety of tank hardware and monitoring equipment.

All Square Manholes

- 3/8" heavy duty diamond plate lid
- 16 gauge steel skirt
- Meets AASHTO H20 wheel loading

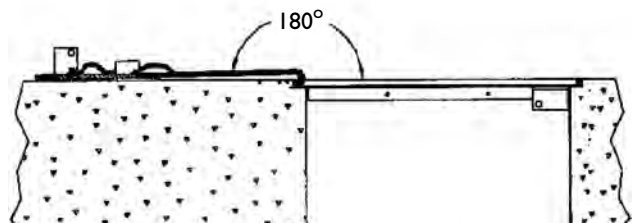
Locking Vault Manholes

- Double hinged lid opens and folds back to 180°
- Lock-access lid permanently fastened with anti-theft chain; secured with single pinned bolt



The 24" and 30" vaults are reinforced with 2"x2"x1/4" steel angle

The 36" and 48" vaults are reinforced with cross bracing of 3" structural steel channel



Standard Manholes

A0717 Square Manholes and Vaults

Size	Model No.	Style	Overall Height	Lid Lbs.	Total Lbs.
12"	* A0717-712VW	Locking Vault Water-resistant	11.6"	18	38.1
	A0717-712VWA	Locking Vault Water-resistant	24.6"	18	38.1
	A0717-712VWB	Locking Vault Water-resistant	18.6"	18	42.5
18"	A0717-718	Lay-in	9.6"	36	56.3
	* A0717-718ABW	Bolt-down Water-resistant	18.6"	36	73.3
	A0717-718BWA	Bolt-down Water-resistant	24.6"	36	87.3
	* A0717-718VW	Locking Vault Water-resistant	18.6"	36	76.8
	A0717-718VWA	Locking Vault Water-resistant	24.6"	36	96.0
	A0717-718VWL	Locking Vault Lift Assist Water-resistant	18.6"	36	77.3
24"	A0717-724	Lay-in	9.6"	65	88.4
	A0717-724A	Lay-in	24.6"	65	112.0
	A0717-724ABW	Bolt-down Water-resistant	24.6"	65	119.8
	A0717-724BBW	Bolt-down Water-resistant w/Handle	24.6"	65	122.2
	A0717-724BW	Bolt-down Water-resistant w/Handle	9.6"	65	107.2
	A0717-724E	Lay-in w/Handle	12.6"	65	117.0
	A0717-724V	Locking Vault	24.6"	65	116.5
	* A0717-724VW	Locking Vault Water-resistant	24.6"	65	121.5
	A0717-724VWB	Locking Vault Water-resistant	10.6"	65	116.5
	A0717-724VWC	Vault Bolt-down Water-resistant w/Handle	24.6"	65	126.4
	A0717-724VWE	Locking Vault Water-resistant	18.6"	65	117.0
	* A0717-724VWL	Locking Vault Lift Assist Water-resistant	24.6"	68	120.9
	A0717-724VWCL	Vault Lift Assist Bolt-down WR w/Handle	24.6"	68	131.0
	30"	A0717-730VW	Locking Vault Water-resistant	24.6"	123
A0717-730VWL		Locking Vault Lift Assist Water-resistant	24.6"	123	200.0
36"	A0717-736VW	Locking Vault Water-resistant	36.6"	165	307.4
	A0717-736VWA	Locking Vault Water-resistant 36x24x24	24.6"	165	265.0
	A0717-736VWAL	Locking Vault Lift Assist WR 36x24x24	24.6"	165	270.0
	A0717-736VWE	Locking Vault Water-resistant	24.6"	165	285.0
	A0717-736VWL	Locking Vault Lift Assist Water-resistant	36.6"	171	287.0
	A0717-736VWLA	Locking Vault Lift Assist Water-resistant	24.6"	171	268.5
48"	A0717-748VWL	Locking Vault Lift Assist Water-resistant	48.6"	165	270.0
	A0717-748VWLA	Locking Vault Lift Assist Water-resistant	24.6"	165	270.0
	A0717-748VWLF	Locking Vault Lift Assist WR 24x48x24	24.6"	171	273.0

*Most common variant

Custom sizes available upon request

V = Hinged; B = Bolt-down; W = Water-resistant; L = Lift Assist Lid

Monitoring Well Manholes

A0721 Monitoring Well Manholes

All Emco Wheaton Monitoring Well Manholes incorporate cast-in identification triangles in accordance with API recommendations and meet AASHTO H20 wheel loading.

- Painted ductile iron lid and rim
- Optional galvanized steel or polyethylene skirt
- Bolt-down units have water-tight lids
- Custom skirt heights available
- Heavy Duty (16 gauge hot rolled carbon steel) skirts available. 100% welded skirt and seam. To order, replace the first digit of the variant number with a 2.



Built-in side handle on 18" models - one hand opening and positioning



ID tag available on all models; large enough for all new regulatory requirements. To order, add "ID" to the end of the part number.

A0726-050ID ID Tag Kit
Includes tags and rivets for 50 units

■ City of LA Approval BR800075
A0721-001ID, A0721-008CEID
A0721-101ID, A0721-108ID

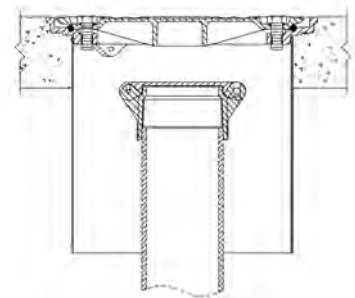
A0720 Locking Cap & Collar

The Emco Wheaton A0720 locking cap and collar is used to limit access and seal monitoring wells and can be threaded or solvent welded onto a 4" PVC monitoring well pipe. It displays the monitoring well designation and includes a padlock. The cap and collar are both made of durable ABS plastic.

Model No.	Description	Pipe Size	Lbs.
A0720-001	Locking Cap and Collar	4"	1.3

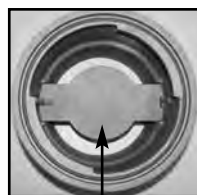
Replacement Parts

564029 Lock/Key Set A0720



A0721-112 12" Locking Monitoring Well Manhole

- Corrosion-free - all components are hard coat anodized aluminum
- Lockable, for added security
- Heavy-duty, reinforced lid with water-tight seal
- Meets AASHTO H20 wheel loading
- T-handle available, p/n A0081-112
- Weighs 25.7 lbs.



Locking Plate



Monitoring Well Manholes

A072I Monitoring Well Manholes

Size	Model No.	Style	Skirt Type	Overall Height	Clear Hole ID	Max. Dia.	Lbs.
5"	* A072I-105	Bolt-down	Steel	8.5"	3.8"	6.0"	5.7
	A072I-006A	Bolt-down	Poly	7.5"	4.5"	6.7"	5.1
6"	* A072I-106	Bolt-down	Steel	7.5"	4.5"	6.7"	6.3
	* A072I-106A	Bolt-down	Steel	9.5"	4.5"	6.7"	6.5
7"	A072I-107	Bolt-down	Steel	12.2"	5.1"	8.9"	12.5
	* A072I-008	Bolt-down	Poly	12.3"	6.0"	9.9"	11.7
	A072I-008CE	BD, Large Bolts, White Lid	Poly	12.3"	6.0"	9.9"	11.1
	A072I-008LA	Lay-in	Poly	12.3"	7.8"	9.9"	10.4
	A072I-088	Bolt-down	Poly	8.0"	6.0"	9.9"	13.6
8"	* A072I-108	Bolt-down	Steel	12.7"	6.0"	9.9"	13.7
	* A072I-188	Bolt-down	Steel	9.2"	6.0"	9.9"	12.8
	* A072I-188L	Lay-in	Steel	8.9"	7.8"	9.9"	11.9
	*** A072I-208W****	Bolt-down, Welded w/Lugs	HD Steel	12.5"	6.0"	9.9"	12.7
	A072I-308	BD, 3 Bolts, White Lid	Steel	8.8"	6.4"	9.4"	12.8
	A072I-308A	BD, 3 Bolts, White Lid	Steel	12.8"	6.4"	9.4"	13.7
	** A0722-008	Bolt-down	Poly	12.3"	6.0"	9.9"	12.4
	* A072I-001	Bolt-down	Poly	12.0"	9.4"	15.1"	23.0
A072I-001CC	Bolt-down w/Rebar Tabs	Poly	12.0"	9.4"	15.1"	23.1	
A072I-001L	Lay-in	Poly	12.0"	11.2"	13.8"	22.8	
12"	* A072I-101	Bolt-down	Steel	12.0"	9.4"	15.1"	28.8
	A072I-101A	Bolt-down	Steel	18.0"	9.4"	15.1"	31.0
	A072I-101L	Lay-in	Steel	12.0"	11.2"	13.8"	28.6
	A072I-119	Bolt-down	Steel	19.0"	9.4"	15.1"	36.3
	A072I-128	Bolt-down	Poly	8.1"	9.4"	15.1"	21.9
	A072I-128A	Bolt-down	Steel	8.0"	9.4"	15.1"	23.6
	*** A072I-201	Bolt-down	HD Steel	12.0"	9.4"	15.1"	28.0
** A0722-001	Bolt-down	Poly	12.0"	9.4"	15.1"	24.3	
18"	* A072I-018	Bolt-down	Steel	12.3"	13.8"	18.4"	58.5
	A072I-118	Bolt-down	Steel	18.0"	13.8"	18.4"	69.5

* Most common variant

** Includes locking cap & collar

*** Heavy duty

**** Compliant with Wisconsin Administrative Code, Groundwater Monitoring Well Requirements, NRI41.13, Subsection 4b

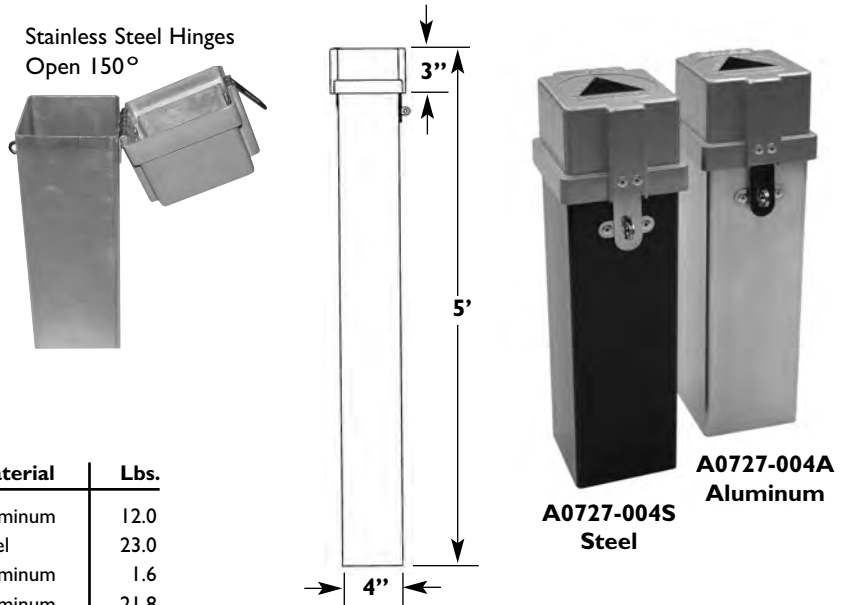
Lid Replacement Parts

Part No.	Lid	Description	Lbs.	Part No.	Lid	Description	Lbs.
569883	5"	Lid Ductile Bolt-down	3.0	566419	8"	O-ring for 3/8" Bolt	
569885	5"	Lid Gasket		566334	8"	O-ring for 5/8" Bolt	
494263	5"	Bolt, 3/8" x 0.5"		568715	8"	Neoprene Washer for 3/8" Bolt	
568692	6"	Lid Ductile Bolt-down	2.4	569723	12"	Lid Ductile Lay-in	11.6
568820	6"	Lid Gasket		563980	12"	Lid Ductile Bolt-down	11.0
568662	6"	Bolt, 5/16" x 0.75"		563593	12"	Lid Gasket	
571700	7"	Lid Ductile Bolt-down	3.3	494262	12"	Bolt & O-ring, 5/8" x 1.75"	
571702	7"	Lid Gasket		566334	12"	O-ring for 5/8" Bolt	
494261	8"	Bolt & Neoprene Washer, 3/8" x 1"		567712	18"	Lid Ductile Bolt-down	28.8
569285	8"	Lid Ductile Lay-in	5.1	567995	18"	Lid Gasket	
569106	8"	Lid Ductile Bolt-down	5.1	494262	18"	Bolt & O-ring, 5/8" x 1.75"	
567150	8"	Lid Ductile Bolt-down, A072I-008CE	5.1	494375	18"	Bolt & O-ring, 3/8" x 2"	
570767	8"	Lid Ductile Bolt-down, A072I-308 (3 bolt)	5.1	566419	18"	O-ring for 3/8" Bolt	
567146	8"	Lid Gasket		566334	18"	O-ring for 5/8" Bolt	
494260	8"	Bolt & O-ring, 5/8" x 1", A072I-008CE		568715	18"	Neoprene Washer for 3/8" Bolt	
494261	8"	Bolt & Neoprene Washer, 3/8" x 1"					

Well Protectors

A0727 Well Protectors

- Raintight Cap - one piece die cast aluminum cap is powdered coated for corrosion resistance and painted with contrasting black triangle
- Riveted Construction - cap overlaps hinge pins, preventing vandalism
- Lockable
- Top Kit - complete cap assembly for bare tubing
- Optimized height - clears tallest well plug



Model No.	Description	Material	Lbs.
A0727-004A	4"x4"x5' Square Well Protector	Aluminum	12.0
A0727-004S	4"x4"x5' Square Well Protector	Steel	23.0
A0727-004K	Top Kit for Bare Tubing	Aluminum	1.6
A0727-006A	6"x6"x5' Square Well Protector	Aluminum	21.8
A0727-008A	8"x8"x5' Square Well Protector	Aluminum	34.0
A0727-012A	12"x12"x40" Square Well Protector	Aluminum	25.0

Custom lengths available upon request

A0728 Well Protectors

- Raintight Cap - welded steel construction cap overlaps pipe to prevent rain intrusion
- All Steel Construction
- Thick 14 gauge pipe
- Lockable
- Available in 4" & 6" diameters

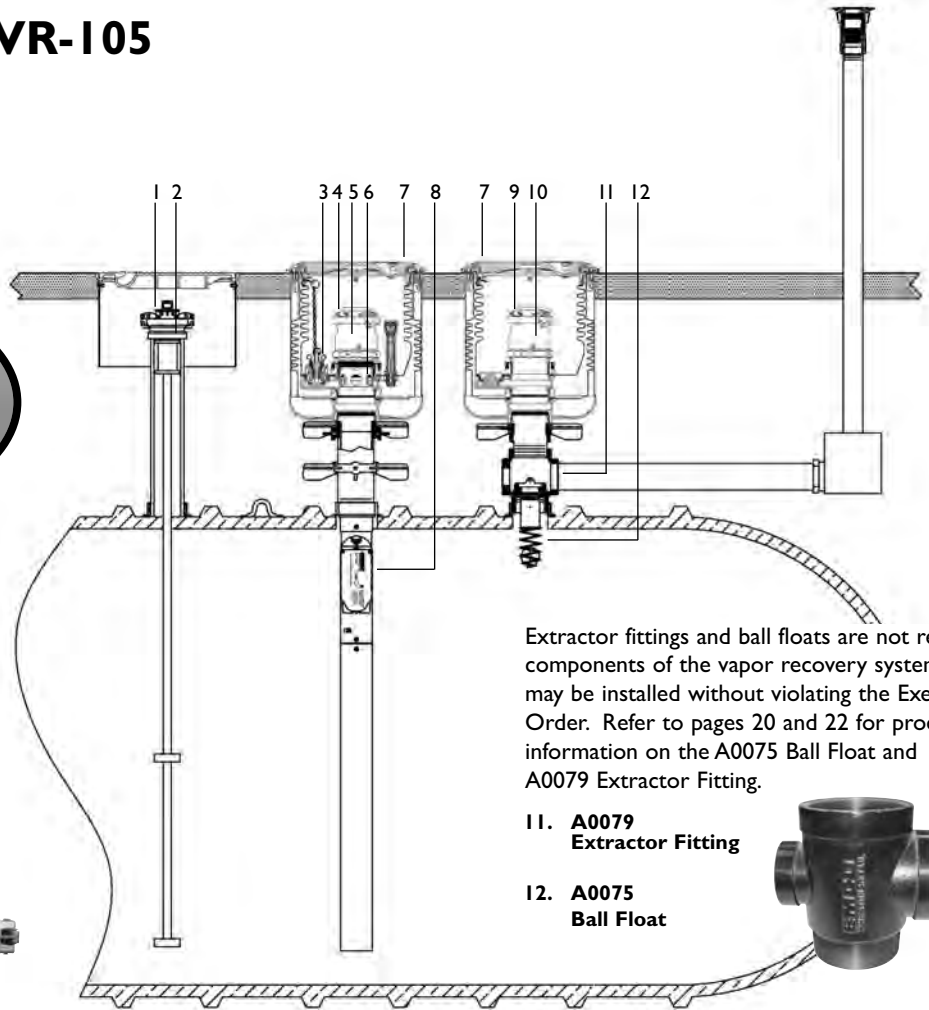


Model No.	Description	Material	Lbs.
A0728-004	4"x5' Round Well Protector	Steel	30.0
A0728-006	6"x5' Round Well Protector	Steel	39.9

Custom lengths available upon request

Phase I Enhanced Vapor Recovery System

Executive Order VR-105



Extractor fittings and ball floats are not required components of the vapor recovery system, but may be installed without violating the Executive Order. Refer to pages 20 and 22 for product information on the A0075 Ball Float and A0079 Extractor Fitting.

- 1. **A0097**
Fill Cap for
Tank Probe
(Refer to p. 7)



- A0097-010A**
Tank Probe Cap
& Adapter
(Refer to p. 7)



- 2. **A0030-014**
ATG Adapter
A0030-014F
ATG Adapter for
INCON Tank Probe
(Refer to p. 5)



- 3. **494118**
Drain Valve



- 4. **A0097**
Fill Cap
(Refer to p. 7)



- 5. **A0030-124S**
Fill Swivel Adapter
(Refer to p. 5)



- 6. **494096**
Riser Seal



- 7. **A1004EVR**
Spill Containment
(Refer to p. 74)



- 8. **A1100EVR**
OPV Assembly
(Refer to p. 77)



- 11. **A0079**
Extractor Fitting



- 12. **A0075**
Ball Float



- 9. **A0099**
Vapor Cap
(Refer to p. 9)



- 10. **A0076-124S**
Vapor Swivel
Adapter
(Refer to p. 8)



Optional Items:

- A0097-004LP**
Low Profile
Fill Cap
(Refer to p. 7)



- A0099-004LP**
Low Profile
Vapor Cap
(Refer to p. 9)



A0020EVR Drop Tube

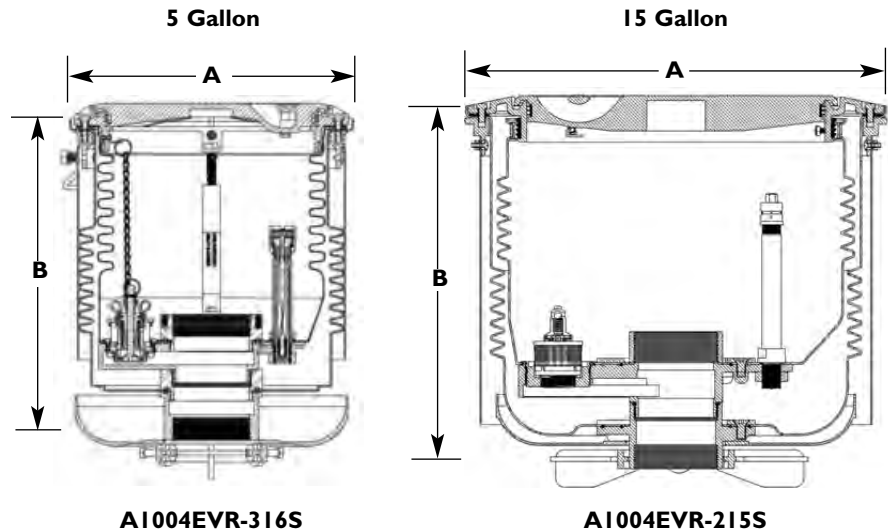


Direct Burial Phase I EVR System

A1004EVR Spill Containment

Replaceable

- Nominal capacity of 5 or 15 US gallons
- 4-inch NPT thread connection, requires no face seal adapter
- Heavy duty, snow plow resistant, ductile iron rim and lid, exceeds DOT H-20 loading specifications
- Lid w/triple wiper seal
- Replaceable from grade level HDPE primary and secondary bellows
- Drain valve w/ filter or plug option
- EZ-Gage or float sensor for interstitial monitoring of secondary containment
- HDPE or galvanized gravel guard
- HDPE gravel pan

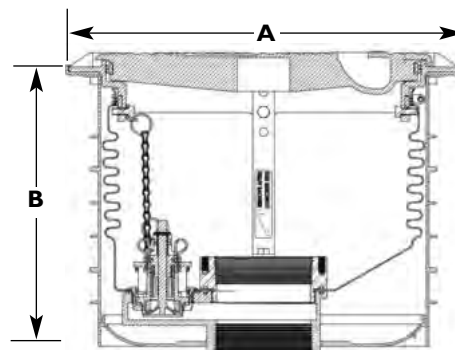


Model No.	Description	Overall Dia. A	Installed Ht. B	Lid Dia.	Lid Lbs.	Total Lbs.	Drain Type
A1004EVR-316A	SW, 5 gal, 16" center	16.0"	15.0"	13.2"	15.9	66.0	Drain Valve
A1004EVR-317A	SW, 5 gal, 16" center	16.0"	15.0"	13.2"	15.9	63.0	None
A1004EVR-317AS	SW, 5 gal, 16" center SST Primary; Poly Secondary	16.0"	15.0"	13.2"	15.9	63.0	None
A1004EVR-215A	SW, 15 gal	22.6"	18.0"	17.1"	29.5	126.0	Drain Valve
A1004EVR-316S	DW, 5 gal, 16" center	16.0"	17.1"	13.2"	15.9	84.0	Drain Valve
A1004EVR-317S	DW, 5 gal, 16" center	16.0"	17.1"	13.2"	15.9	79.9	None
A1004EVR-317SS	DW, 5 gal, 16" center SST Primary; Poly Secondary	16.0"	17.1"	13.2"	15.9	79.9	None
A1004EVR-215S	DW, 15 gal	22.6"	19.0"	17.1"	29.5	151.0	Drain Valve



Non-Replaceable

- Nominal capacity of 5 US gallons
- 4-inch NPT thread connection, requires no face seal adapter
- Heavy duty, snow plow resistant, ductile iron rim and lid, exceeds DOT H-20 loading specifications
- Lid w/triple wiper seal
- Non-replaceable from grade level HDPE primary bellows
- Drain valve w/filter or plug option
- HDPE gravel guard
- HDPE gravel pan



Model No.	Description	Overall Dia. A	Installed Ht. B	Lid Dia.	Lid Lbs.	Total Lbs.	Drain Type
A1004EVR-010	Slimline, SW, 5 gal	17.6"	13.6"	15.3"	20.0	58.5	Drain Valve
A1004EVR-011	Slimline, SW, 5 gal	17.6"	13.6"	15.3"	20.0	57.9	None

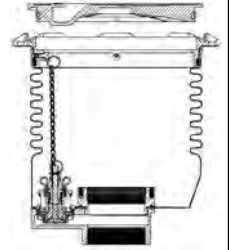
Phase I Enhanced Vapor Recovery System

A1004EVR Spill Containment Replacement Parts

Replacement Kits

Model No.	Description	Lbs.
<u>A1004EVR-210</u>		
5 Gal Poly		
494360EVR	Primary Replacement Kit (EVR-210A, SW/Drain)	64.0
494466EVR	Primary Replacement Kit (EVR-211A, SW/No Drain)	68.5
494466DEV	Primary Replacement Kit (EVR-211AD, SW/Drn Plug)	68.5
494350EVR	Primary Replacement Kit (EVR-210S, DW/Drain)	71.4
494350EVRS	Primary Replacement Kit (EVR-210S, DW/Drain) For old style A1004-210 (see photo at right)	71.4
494467EVR	Primary Replacement Kit (EVR-211S, DW/No Drain)	67.7
494467EVRS	Primary Replacement Kit (EVR-211S, DW/No Drain) For old style A1004-210 (see photo at right)	67.7
<u>A1004EVR-215</u>		
15 Gal Poly		
495494EVR	Primary Replacement Kit (-215S, DW/Drain)	
494550EVR	Primary & Secondary Replacement Kit (-215S, DW/Drn)	119.7
494660EVR	Primary & Secondary Replacement Kit (-216S, DW/No Drn)	117.5
<u>A1004EVR-316</u>		
5 Gal Poly, 16" Center		
494797EVR	Primary Replacement Kit (EVR-316A, SW/Drain)	
494798EVR	Primary Replacement Kit (EVR-317A, SW/No Drain)	
494794EVR	Primary Replacement Kit (EVR-316S, DW/Drain)	53.5
494795EVR	Primary Replacement Kit (EVR-317S, DW/No Drain)	36.5

Cast iron lid included with all A1004EVR Replacement Kits. To order with a composite lid, add a "C" to the end of the part number.



Old Style A1004-210
No flanges or bolts



New Style A1004-210
Flanges and bolts included



Lids

Model No.	Description
<u>Lids, 5 Gallon</u>	
A1004-210LID	Lid & Seal, cast iron
A1004-210LID-C	Lid & Seal, composite
571815	Triple Wiper Seal
A1004-316CLID	Lid & Seal, cast iron
A1004-316LID	Lid & Seal, composite
570012	Triple Wiper Seal
<u>Lids, 15 Gallon</u>	
494554	Lid & Seal, cast iron
569227	Triple Wiper Seal
<u>Drain</u>	
494118	Drain Valve Kit w/Filter



A1004-210LID
Cast Iron



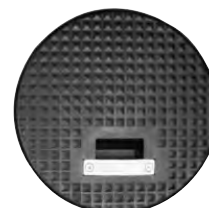
A1004-210LID-C
Composite



494554



A1004-316CLID
Cast Iron



A1004-316LID
Composite

Multi-Port Phase I EVR System

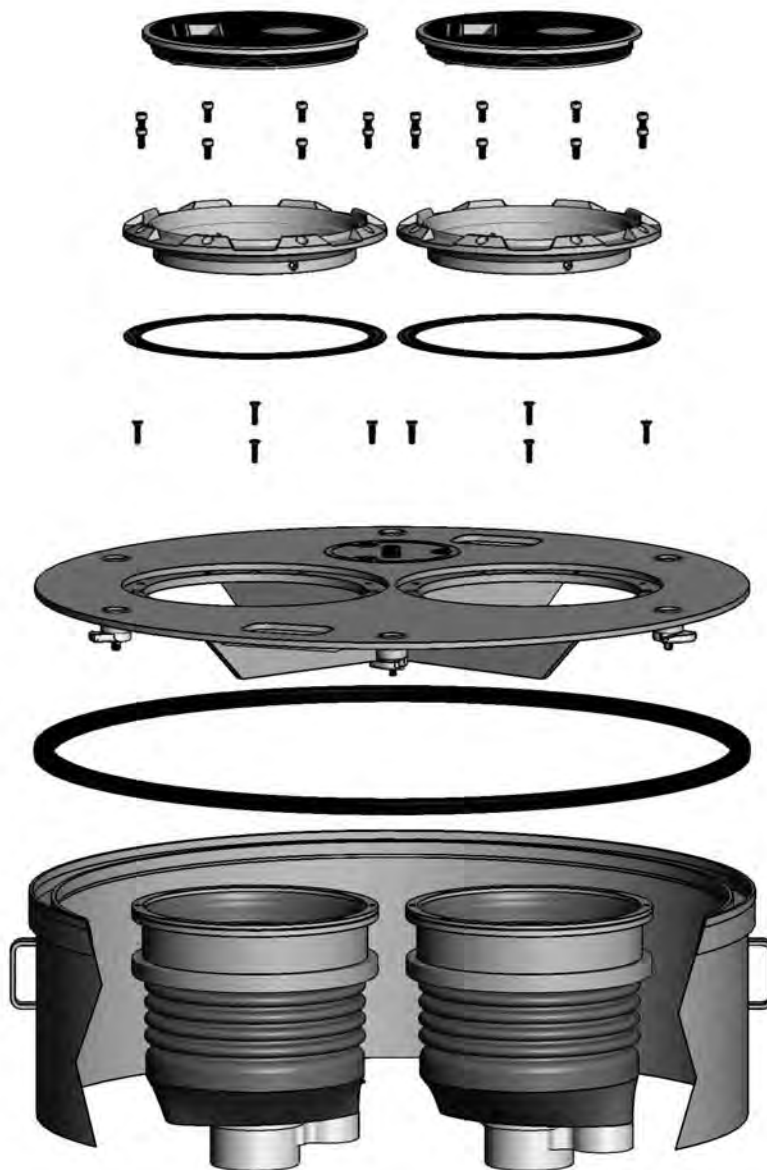
A1004EVR Spill Containment

Guide Specification:

- 42-inch steel diamond plate lid with 16-inch tank bung spacing
Optional diamond plate lid in light weight aluminum
- 6 cam-locks and dual lid handles for easy lock-down and removal
- 8-inch observation port w/ water tight seals
- All mounting bolts non-corrosive stainless steel
- Manhole rim channel w/ D-seal for water tightness integrity between lid and rim
- Manhole available w/ 12-inch or 18-inch galvanized skirt
- Nominal spill container capacity of 5 US gallons
- Cast iron spill container base w/4-inch NPT thread connection
Requires no face seal adapter
- Powder coated, heavy duty, cast iron lid and ductile iron plow ring, exceeds DOT H-20 loading
Optional lid in composite material
- Lid w/ triple wiper seal
- HDPE primary spill container bellows
- Drain valve w/ filter or plug option
- Compatible with most water shrouds and boot kits



■ CARB Phase I EVR Executive Order VR-105



Model No.	Description	Spill Container #1	Drain Type	Spill Container #2	Drain Type
A1004EVR-242-1D1A	42" Multi-Port MH, 8" Observation Port 12" Skirt, Gasoline	SW, 5 gal	Drain Valve	SW, 5 gal	No Drain
A1004EVR-242-11A	42" Multi-Port MH, 8" Observation Port 12" Skirt, Gasoline	SW, 5 gal	No Drain	SW, 5 gal	No Drain
A1004EVR-242-1D0A	42" Multi-Port MH, 8" Observation Port 12" Skirt, Diesel	SW, 5 gal	Drain Valve	None	N/A
A1004EVR-242-10A	42" Multi-Port MH, 8" Observation Port 12" Skirt, Diesel	SW, 5 gal	No Drain	None	N/A

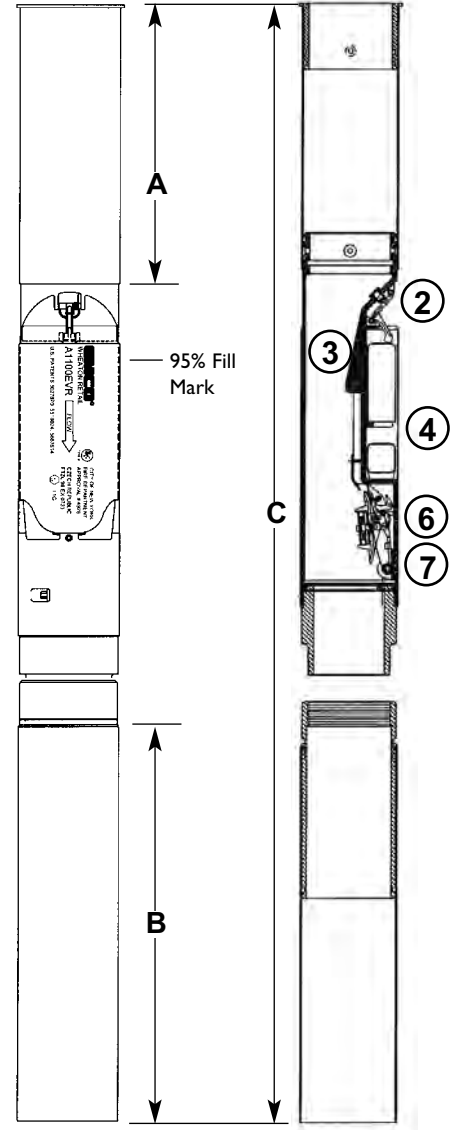
Custom configurations are available upon request

Direct Burial Phase I EVR System

AI100EVR Overfill Prevention Valve

No Epoxy!

- 1 Upper drop tube to valve body factory welded
 - 2 Bleed valve drains fuel delivery hose after 95% shut-off
 - 3 Diverter fins protect flapper valve during routine “tank stick” gauging
 - 4 Top and bottom floats contained in protective sleeve to insure damage-free installation and removal from tank fill riser
 - 5 Die cast aluminum valve body design provides the highest delivery flow rate
 - 6 Spring loaded reset function opens flapper valve and allows for immediate “tank stick” gauging
 - 7 Flapper valve provides positive fuel shut-off at 95% total storage tank capacity
 - 8 External field test port allows for manual routine testing of flapper valve
 - 9 Valve body to male coupling factory welded
 - 10 Female coupling to lower drop tube factory welded
- Materials and seals are compatible with up to E25 ethanol blend gasoline and B20 biodiesel blends
 - Factory tested for operability and vapor tightness integrity
 - The AI100EVR OPV is not recommended for underground storage tanks under 6.5 ft in diameter



Material

Body: Aluminum
 Floats: HDPE
 Seals: Viton®

Viton® is a registered trademark of Dupont Dow Elastomers.



Model No.	Description	Upper Length A	Lower Length B	Overall Length C	Max. Burial Depth	Nominal Tank Dia.	Lbs.
AI100EVR-055	Dual Pt Screw Together	70"	82"	167" (14.0')	6.0'	8'	25.2
AI100EVR-056	Dual Pt Screw Together	82"	94"	191" (16.0')	7.0'	10'	27.2
AI100EVR-057	Dual Pt Screw Together	82"	120"	217" (18.2')	6.8'	12'	30.3
AI100EVR-058	Dual Pt Screw Together	120"	120"	255" (21.3')	10.0'	12'	31.0
493734E	Riser Collar Kit						
566675	Drill Fixture						
569461	Drop tube O-ring						



566675
Drill Fixture

Maximum burial depth assumes 95% shut-off and 6" clearance between top of drop tube and inside bottom of containment manhole lid.

Direct Burial Phase I EVR System

A0020EVR Drop Tube

The A0020EVR Drop Tube fits directly into the tank riser pipe to permit tight fill submerged filling with reduced turbulence and minimal vapor loss. 4" diameter.

Model No.	Length	Lbs.
Rolled Edge Collar		
A0020EVR-004	12'	13.0
A0020EVR-005	15'	16.1
A0020EVR-007	17'	18.2
A0020EVR-008	14'	14.0
Heavy Duty Collar		
A0020EVRC-004	12'	13.7
A0020EVRC-005	15'	16.8
A0020EVRC-007	17'	18.9
A0020EVRC-008	14'	14.7



Standard
Rolled Edge



Heavy Duty
Collar

Replacement Parts

569461 Drop Tube O-ring

Material

Tube: Aluminum

Seals: Viton®

Viton® is a registered trademark of DuPont Dow Elastomers.



EVR Installation and Maintenance Tools

A0081-001 Adapter Wrench

Installation, torque tightening and removal of Emco Wheaton fill and vapor adapters, and 494096 Riser Seal. A hex bolt is welded to the top of the wrench allowing use with a torque wrench.



493820 Drain Wrench

Installation and removal of the Emco Wheaton A1004EVR Spill Containment Drain Valve.



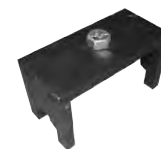
A0081-001H Spill Container (w/Drain) Wrench

Installation and removal of the Emco Wheaton A1004EVR Spill Containment. A hex bolt is welded to the top of the wrench allowing use with a torque wrench.



494240 Adapter Torque Wrench

Use to verify the static torque of the swivel adapter in accordance to CARB Test Procedure TP.201.1B



A0081-003M Spill Container (w/o Drain) Wrench

A0081-001L Adapter Lug Wrench

Installation and removal of the center insert of the Emco Wheaton 494096 Riser Seal. Replaces the 494120 Riser Seal Wrench.



566675 Drill Fixture

Use to accurately drill the rivet holes on the top drop tube for the Emco Wheaton A1100EVR collar assembly.



Balance Phase II Enhanced Vapor Recovery

**CARB Executive Orders
VR-203, VR-204, VR-207, VR-208, VR-501**



**99.5%
Vapor Collection
Efficient**








**A4005EVR Balance Vapor
Recovery Nozzle**

**A4119EVR Coaxial
SafeBreak® Valve**



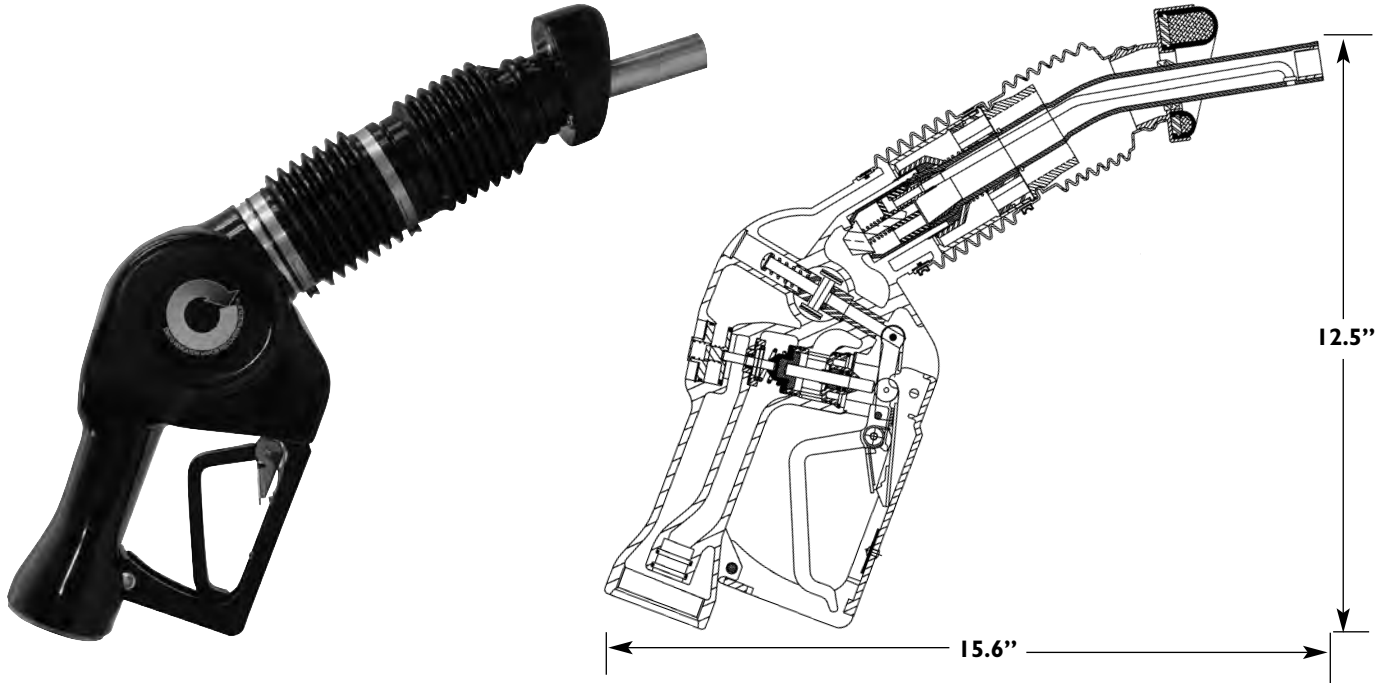
Classified by UL to
UL 2586, Valves for Flammable Fluids
CARB Approved Mix & Match with VST
CARB Approved for UST and AST
Installations
Nozzle & Breakaway Core Credit
Program, Refer to Page 84

CARB EVR approved for use with:

Pressure Management Options			ISD System Options	
				Franklin Fueling INCON
Veeder-Root Polisher Canister	Healy Clean Air Separator	Hirt VCS-100 Oxidizer		Veeder-Root TLS-350

Balance Phase II EVR Components

A4005EVR Balance Vapor Recovery Nozzle



The A4005EVR Nozzle is designed for use with Balance Phase II Vapor Recovery Systems. Complies with the California Air Resources Board CARB Enhanced Vapor Recovery Program EVR Certification Procedures CP-201.

- CARB EVR Executive Orders VR-203, VR-204, VR-207, VR-208, VR-501
- CARB Pre-EVR Mix & Match Approval Letter #09-10/ Advisory #408
- California State Fire Marshall GVRC 005:007:025
- California Division of Measurement Standards 3211(d)-09
- UL Listing MHI 460 Classified to UL 2586

Material

Body & Spout: Aluminum
 Lever & Guard: Thermoplastic
 Seals: Nitrile & Viton®
 Scuff Guard: Vinyl

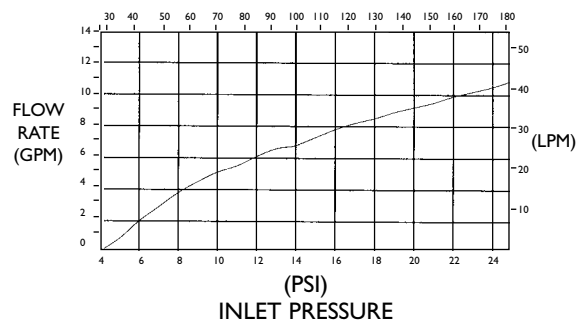
Viton® is a registered trademark of DuPont Dow Elastomers.



Model No.	Description	Lbs.
A4005EVR-052	New Unleaded	4.5

Refer to page 82 for Phase II EVR repair and replacement kits and tools.

A4005EVR Flow Data (kPa)



Balance Phase II EVR Components

A4110EVR Coaxial Hose Swivel

The A4110EVR 45° hose swivel provides a full range of movement to minimizing kinking and twisting of the coaxial curb hose during routine vehicle refueling. Complies with CARB CP-201 Enhanced Vapor Recovery EVR Program.

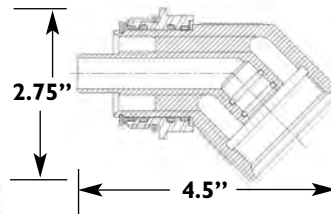
Model	Description	Lbs.
A4110EVR-001	Coaxial Hose Swivel	1.3

Repair Kits & Replacement Parts

- 494748EVR Fuel Path O-ring Kit
- 494749EVR Vapor Path O-ring Kit

Material

- Body: Cast Aluminum
- Snap ring: Plated Steel
- Swivel nut: Chrome Plated Brass



- CARB EVR Executive Orders VR-203, VR-204, VR-207, VR-208, VR-501
UL Listed MH036

A4119EVR Coaxial SafeBreak® Valve

The A4119EVR Coaxial SafeBreak Valve is a shear pin style non-reconnectable component designed for use with Balance Phase II Vapor Recovery Systems. A dual poppet design seals off both the fuel and vapor paths upon separation due to customer related "drive-off" occurrences, eliminating fuel spillage, vapor emissions and minimizing damage to the dispenser unit. Complies with the California Air Resources Board CARB Enhanced Vapor Recovery Program EVR Certification Procedures CP-201.

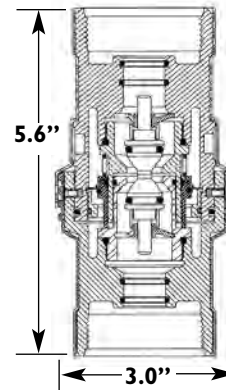
Model No.	Description	Lbs.
A4119EVR-020	Coaxial Shear Pin	1.6

Repair Kits & Replacement Parts

- 494748EVR Fuel Path O-ring Kit

Material

- Body: Aluminum
- O-rings: Buna-N
- Protective Cover: Vinyl



- CARB EVR Executive Orders VR-203, VR-204, VR-207, VR-208, VR-501
CARB Pre-EVR Mix & Match Approval Letter #09-10/Advisory #408
UL Listed MH17833

A0063EVR Vapor Shear Valve

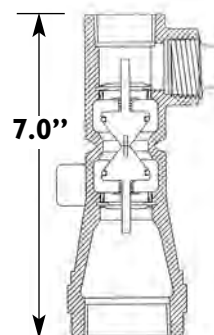
The A0063EVR vapor shear valve installs on the phase II vapor riser below the dispenser to eliminate the escape of vapors in the event of a collision to the dispenser. The double poppet valve incorporates a 1.5" female NPT connection to the underground piping and a 1" female NPT connection to dispenser piping. The valve incorporates a 3/8" test port. Mounting Kit is included. Approved for use with all CARB certified pre-EVR and EVR phase II vapor recovery systems.

Model No.	Description	Inlet	Outlet	Lbs.
A0063EVR-024	1 1/2" Double Poppet	Female	Female	9.0

Material

- Body: Cast Iron
- Spring: Stainless Steel
- Seal: Viton®

Viton® is a registered trademark of DuPont Dow Elastomers.



- UL Listed MH10206

Balance Phase II EVR Components

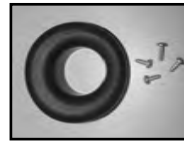
Repair Kits & Replacement Parts



492775EVR
Bellows & Boot Face Kit



492834EVR
Spout Kit



492776EVR
Boot Face Kit



494150EVR
Latch Kit

A4005EVR Nozzle Repair Kits

Kit No.	Description	Lbs.
492775EVR	Bellows & Boot Face Kit	0.4
492776EVR	Boot Face Kit	0.2
492834EVR	Spout Kit 0.6	
494150EVR	Latch Kit 0.5	
494748EVR	Fuel Path O-ring Kit	
494750EVR	Bellows Band Clamp Kit	0.1
A0557EVR-002	Scuff Guard, Black	0.4

■ CARB EVR Executive Orders VR-203, VR-204, VR-207, VR-208, VR-501
UL Listed MH036



A4110EVR Hose Swivel Repair Kits

Kit No.	Description
494748EVR	Fuel Path O-ring Kit
494749EVR	Vapor Path O-ring Kit

A4119EVR SafeBreak® Repair Kits

Kit No.	Description
494748EVR	Fuel Path O-ring Kit

A4005EVR Nozzle Required Service Tools

- 494655EVR Balance Phase II EVR Service Kit**
Includes all Phase II installation and maintenance tools and sturdy, canvas tool bag
- 494635EVR Spout Plug**
Use to conduct CARB test procedure TP-201.6 or TP-201.6C Liquid Removal Test
- 494652EVR Bellows Band Clamp Crimp Tool**
Use to install and crimp the A4005EVR nozzle bellows band clamps
- 494653EVR Lever Guard Rivet Installation Tool**
Use to install the A4005EVR nozzle lever guard rivets
- 494654EVR Lever Guard Rivet Removal Tool**
Use to remove the A4005EVR nozzle lever guard rivets
- 494712EVR Bellows Retainer Plate Tool**
Use to secure the A4005EVR nozzle bellows during installation of the bellows band clamps
- 494761EVR Balance Nozzle Adapter**
Use to test and verify the accuracy of the ISD vapor flow meter
- 494771EVR Surrogate Spout Assembly**
Use to conduct a leak tightness integrity test on the ISD vapor flow meter test assembly



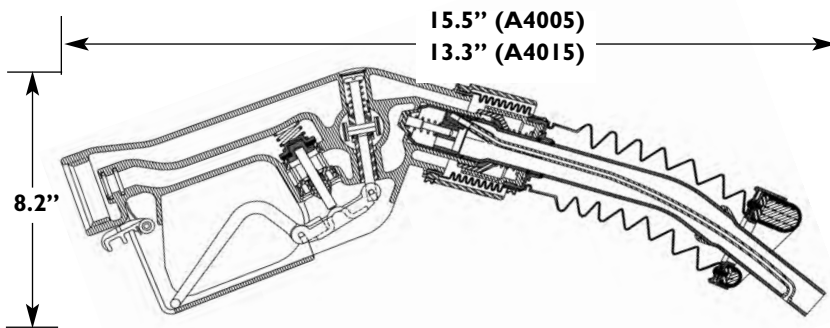
NOZZLES

Balance Phase II Pre-EVR Components

A4005/A4015 Vapor Recovery Nozzle w/Vapor Valve



A4015 Short Spout



- CARB Executive Orders G-70-17-AD, G-70-52-AM, G-70-199-AJ
- UL Listed MH1460 Classified to UL 2586
- Approved by the N.Y. Department of Environmental Conservation and the Oregon Department of Environmental Quality

The A4005/A4015 Vantage has proven itself as the balance vapor recovery nozzle of choice. Developed to be user friendly, the A4005/A4015 utilizes the most up-to-date vapor recovery technology available.

The A4005/A4015 offers the same lightweight and streamlined design advantages characteristic of the A4000 series product line. A low restriction vapor valve is built into the A4005/A4015 so it does not require an external vapor valve. This nozzle includes the no-seal, no-flow interlock mechanism and automatic shutoff for reliable, safe operation. It also has an internal pressure shutoff to detect vapor blockage.

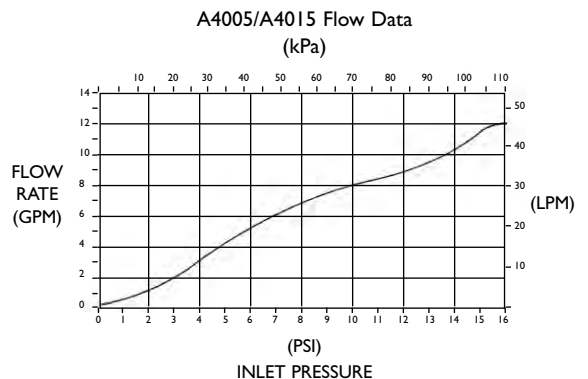
Material

- Body & Spout: Aluminum
- Lever: Thermoplastic
- Lever Guard: Aluminum
- Seals: Nitrile & Viton®
- Scuff Guard: Vinyl

Viton® is a registered trademark of DuPont Dow Elastomers.

Model No.	Description	Lbs.
A4005-002	New Unleaded	4.6
A4005-004	Rebuilt Unleaded	4.6
A4005-002E	New Unleaded E85	4.6
A4015-002	New Unleaded Short Spout	4.4
A4015-004	Rebuilt Unleaded Short Spout	4.4
A4015-002E	New Unleaded E85 Short Spout	4.4

The above part numbers include the standard glossy black scuff guard.



Balance System

A4005/A4015 Balance Nozzle

A4005 Replacement Parts

Kit No.	Description	Lbs.
493040	Spout Kit - Unleaded	2.0
493042	Boot Face Kit	0.2
493047	Clamp & Cover Kit	0.4
493062	Latch Kit 0.1	
493780	Boot Only Kit	1.0
493781	Boot & Face Kit	0.7
493846	Front End Kit - Spout/Boot	1.5
563834	Clamp 52.2 mm	0.2
566965	Clamp 66.0 mm	0.3
565048	Scuff Guard, Black Emco Logo	0.4

A4015 Replacement Parts

Kit No.	Description	Lbs.
493042	Boot Face Kit	0.2
493047	Clamp & Cover Kit	0.4
493062	Latch Kit	0.1
493398	Spout Kit - Unleaded	0.6
493400	Boot & Face Kit	0.5
493584	Boot Only Kit	0.4
493847	Front End Kit - Spout/Boot	0.9
563834	Clamp 52.2 mm	0.2
566965	Clamp 66.0 mm	0.3
565048	Scuff Guard, Black Emco Logo	0.4

Nozzle & Breakaway Core Credit Policy

Models Allowed For Core Credit	Core Credit Value	Return for Credit Against the Following
Nozzles		
A4005	\$45	Rebuilt A4005 or A4015
A4015	\$45	Rebuilt A4005 or A4015
A4005EVR	\$85	New A4005EVR
Competitor EVR Nozzle	\$85	New A4005EVR
Breakaways		
A4119EVR	\$25	New A4119EVR
Competitor EVR Breakaway	\$25	New A4119EVR

Credits: All nozzle and breakaway cores must be returned within 90 days of invoice to be eligible for credit.

Cores with cracked bodies, stripped threads or damaged in any way that limits their ability to be rebuilt will not be accepted for credit.

Nozzle cores returned without a front end assembly (spout, bellows and boot face) or any other part will be subject to a 50% core credit reduction.

Breakaway cores returned with only one half will be subject to a 50% core credit reduction.

Invoicing: Nozzle and breakaway models allowed for core credit will be invoiced at list price less your distributor discount. Acceptable cores will be credited against those invoices.

Freight: Inbound freight charges for nozzle and breakaway cores returned for credit must be prepaid by the distributor.

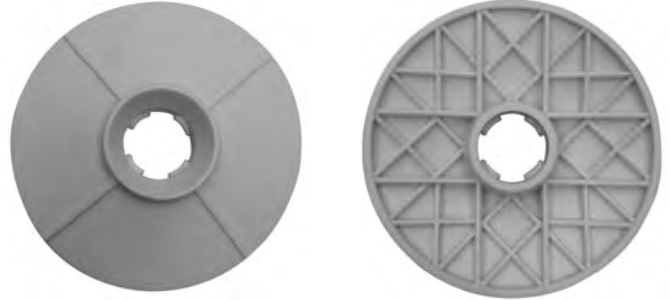
Core Bank: Nozzle and breakaway cores may be sent to Emco in anticipation of future purchases. Emco will store all cores in the distributor's account for a maximum time period of 18-months from date received. All cores stored longer than 18 months will be discarded and no credit given.

Nozzle Replacement Parts

A0500 Splash Guard

The A0500 Splash Guard is constructed of TPR and is for use on all conventional nozzles.

Model No.	Color	Lbs.
A0500-002	Black	0.1
A0500-062	Green	0.1
A0500-064	Yellow	0.1



Additional colors are available upon request; please contact our Customer Service Department at 800-234-4394.

**DISPENSER
ACCESSORIES**

SafeBreaks®

Standard Shear Pin

A2119 3/4" SafeBreak®

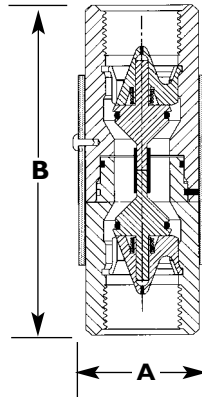
A3019 1" SafeBreak®

The Emco Wheaton A2119 and A3019 Standard SafeBreaks® have an economical shear pin design with 3/4" (A2119) and 1" (A3019) connections for standard applications. The double poppets seal both hoses upon separation.

Material

Body: Aluminum
O-rings & Seals: Buna-N & Viton®
Protective Cover: Plastic

Viton® is a registered trademark of DuPont
Dow Elastomers



- UL Listed MH17833
ETL 536786
ATEX (A2119-002) FTZU07ATEX0240

Model No.	Description	A	B	Lbs.
A2119-002	3/4" Shear Pin NPT	1.6"	4.2"	0.4
A2119-003	3/4" Shear Pin BSPP	1.6"	4.2"	0.4
A3019-001	1" Shear Pin NPT	2.0"	6.3"	1.0
A3019-003	1" Shear Pin BSPP	2.0"	6.3"	1.0

Standard Reconnect

A2219 3/4" SafeBreak®

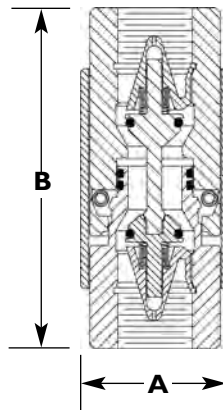
A3219 1" SafeBreak®

The Emco Wheaton A2219 and A3219 Standard SafeBreaks® allow for immediate return to service after a drive-away, with no repair kit required. This is made possible by a unique, reconnectable design. The double poppets seal both hoses upon separation.

Material

Body: Aluminum
O-rings & Seals: Buna-N & Viton®
Protective Cover: Plastic

Viton® is a registered trademark of DuPont
Dow Elastomers



- UL Listed MH17833

Model No.	Description	A	B	Lbs.
A2219-002	3/4" Reconnectable NPT	2.0"	4.2"	0.8
A2219-004	3/4" Reconnectable BSPP	2.0"	4.2"	0.8
A3219-001	1" Reconnectable NPT	2.0"	6.3"	1.0
A3219-003	1" Reconnectable BSPP	2.0"	6.3"	1.0

Vapor Recovery

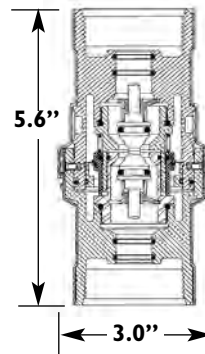
A4119EVR Balance Shear Pin SafeBreak®

The Emco Wheaton A4119EVR Coaxial SafeBreak® is made with a cost-effective shear pin design for use with coaxial, balance type hoses. A dual poppet design seals off both the fuel and vapor paths upon separation due to customer related “drive-off” occurrences, eliminating fuel spillage, vapor emissions and minimizing damage to the dispenser unit.

Material

Body: Aluminum
O-rings: Buna-N
Protective Cover: Vinyl

Model No.	Description	Lbs.
A4119EVR-020	Coaxial Shear Pin	1.6
494748EVR	Fuel Path O-ring Kit	



- CARB Approval 95-3
- UL Listed MH17833
- Phase II EVR Executive Orders VR-207, VR-208 & VR-203-I, VR-204-I

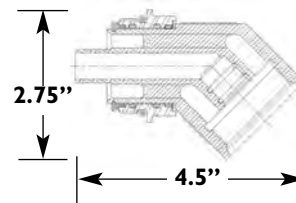
A4110EVR-001 Coaxial Swivel

The Emco Wheaton A4110EVR Coaxial Swivel is designed for use with balanced vapor recovery nozzles. The 45° swivel provides a full range of movement to minimizing kinking and twisting of the coaxial curb during routine vehicle refueling.

Material

Body: Cast Aluminum
Snap ring: Plated Steel
Swivel nut: Chrome Plated Brass

Model	Description	Lbs.
A4110EVR-001	Coaxial Swivel	1.3
A4110-001E	Coaxial Swivel E85	1.3
494748EVR	Fuel Path O-ring Kit	
494749EVR	Vapor Path O-ring Kit	



- CARB Approval 92-14
- UL Listed MH6036
- Approved under Phase II EVR
- Executive Orders VR-207 & VR-208

A4041, A4043 Splitters

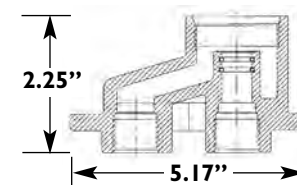
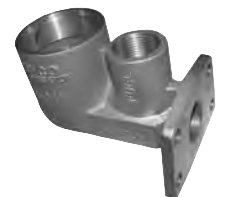
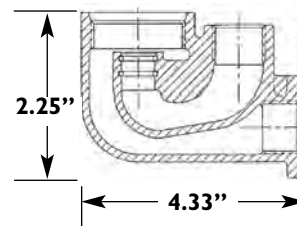
The Emco Wheaton A4041 Splitter is used to convert a side mount dispenser which is not vapor ready, into a coaxial vapor recovery system. Coaxial port is 1 7/8". For vertical island plumbing of the vapor line, order the A4041-001. For plumbing the vapor line through the dispenser wall, order the A4041-002.

The Emco Wheaton A4043 Splitter is for use on coaxial balance Stage II Vapor Recovery Systems. The cast aluminum body is lightweight and strong. The A4043 includes two buna o-rings for a reliable seal. Coaxial port is 1 7/8"; fuel inlet and vapor outlet are 3/4".

Material

Body: Aluminum
O-rings: Buna

Model	Application	Material	Lbs.
A4041-001	Island Mount	Aluminum	2.1
A4041-002	Dispenser Mount	Aluminum	1.6
A4041-003	Island Mount	Nickel Plated	2.5
A4043-001	High Mount	Aluminum	2.0

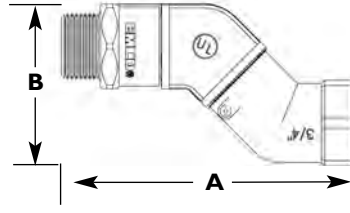


- CARB Approval 94-26 (A4043)
- CARB E.O. G-70-52-AL (A4041)
- UL Listed MH10206

Swivels/Flow Regulators/Adapters

A0360 Swivel

The Emco Wheaton A0360 Hose Swivel features a polished die-cast aluminum body with stainless steel male fittings. Viton® o-rings provide positive sealing and compatibility with all fuels. Fluorosilicone o-rings provide excellent low temperature performance. The outlet swivel rotates 360° at the nozzle inlet to keep the nozzle in a comfortable, upright position, and prevents kinking and wear. The A0360 is designed for non-vapor recovery applications and is available with .75" or 1.0" NPT or BSPT threads.



■ UL Listed MH6036

Material

Body: Aluminum

Seal: Viton® & Fluorosilicone

Viton® is a registered trademark of DuPont Dow Elastomers

Model No.	Hose Connection Size	Nozzle Connection Size	A	B	Lbs.
A0360-075	3/4" Female	3/4" Male	4.0"	2.2"	0.6
A0360-076	3/4" Female BSPT	3/4" Male BSPT	4.0"	2.2"	0.6
A0360-100	1" Female	1" Male	4.4"	2.6"	0.8
A0360-101	1" Female BSPT	1" Male BSPT	4.4"	2.6"	0.8

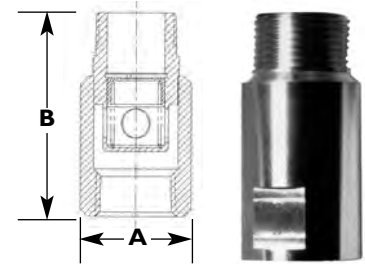
A0010 Flow Regulator

The Emco Wheaton A0010 is an in-line liquid flow regulating device calibrated to limit flow to 10 gpm, in accordance with Federal EPA requirements. The A0010 is manufactured from zinc-plated steel or aluminum with 3/4" ports.

Material

Body: Zinc-plated Steel
Or Aluminum

Model	Inlet	Outlet	Installation	A	B	Lbs.
A0010-003	Male	Female	Dispenser Outlet	1.4"	2.7"	1.0
A0010-010	Female	Male	Nozzle Inlet	1.1"	2.5"	0.3
A0010-011	Male	Female	Dispenser Outlet	1.1"	2.5"	0.3

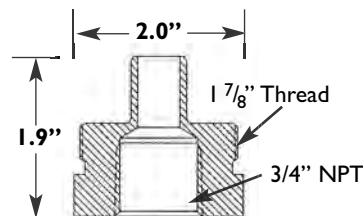


■ CARB E.O. G-70-118-AB
UL Listed MH10206

563639 Adapter

The Emco Wheaton 563639 Adapter allows you to retrofit a balance dispenser to use 3/4" NPT conventional hanging hardware.

The Emco Wheaton 563639AST Adapter allows you to retrofit a vacuum assist dispenser to use 3/4" NPT conventional hanging hardware. The adapter is a one-piece assembly.



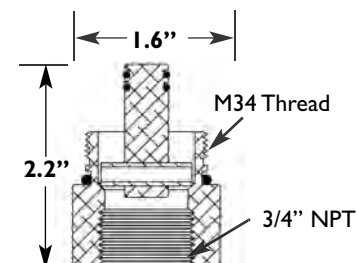
563639

Material

Body: Aluminum

O-rings: Buna

Model No.	Oz.
563639	4.0
563639AST	3.2



563639AST

Hose Assemblies

A002I Standard Hose Assemblies

The A002I Emco branded hose is constructed of single-wire braid to provide static conductivity and increase hose strength. The couplings are zinc diecast with crimped aluminum ferrules; also available with internally expanded chrome plated brass fittings.

The hose assemblies are compatible with up to E15 ethanol blend gasoline and B20 biodiesel blends.

$\frac{3}{4}$ " hose are available in black or green; add "G" suffix for green hose. Custom hose lengths are available.



Zinc diecast couplings with crimped aluminum ferrules



Internally expanded chrome plated brass fittings

■ UL 330 Listed

1" Black Hardwall Hose

Model No.	Description	Lbs.
Fixed Ends		
A0021-170	6" Whip	0.8
A0021-175	8" Whip	1.3
A0021-177	9" Whip	1.7
A0021-180	10" Whip	2.1
A0021-185	12" Whip	2.9
A0021-927	6' Curb	5.3
A0021-400	8' Curb	6.5
A0021-405	9' Curb	7.1
A0021-410	10' Curb	7.7
A0021-420	12' Curb	8.9
Swivel One End		
A0021-186	12" Whip	2.9
A0021-971	4' Curb	4.1
A0021-401	8' Curb	6.5
A0021-411	10' Curb	7.7
A0021-421	12' Curb	8.9
A0021-431	14' Curb	10.1
A0021-446	17' Curb	12.0

$\frac{3}{4}$ " Black Hardwall Chrome Fitting

Model No.	Description	Lbs.
Fixed Ends		
A0021-145C	8" Whip	0.6
Swivel One End		
A0021-960C	7.0' Curb	3.2
A0021-306C	9.0' Curb	4.0
A0021-309C	9.5' Curb	4.1
A0021-331C	14.0' Curb	5.9

$\frac{3}{4}$ " Black or Green Hardwall Hose

Model No.	Description	Lbs.
Fixed Ends		
A0021-140	6" Whip	0.6
A0021-145	8" Whip	0.6
A0021-149	9" Whip	0.7
A0021-150	10" Whip	0.7
A0021-155	12" Whip	0.8
A0021-300	8.0' Curb	3.5
A0021-303	8.5' Curb	3.7
A0021-305	9.0' Curb	3.9
A0021-308	9.5' Curb	4.1
A0021-310	10.0' Curb	4.3
A0021-313	10.5' Curb	4.5
A0021-320	12.0' Curb	5.1
A0021-330	14.0' Curb	5.9
A0021-335	15.0' Curb	6.3
Swivel One End		
A0021-146	8" Whip	0.6
A0021-148	9" Whip	0.7
A0021-156	12" Whip	0.8
A0021-970	4.0' Curb	2.0
A0021-301	8.0' Curb	3.6
A0021-304	8.5' Curb	3.8
A0021-306	9.0' Curb	4.0
A0021-309	9.5' Curb	4.1
A0021-311	10.0' Curb	4.3
A0021-321	12.0' Curb	5.1
A0021-331	14.0' Curb	5.9

A0027 Conventional Hanging Hardware Kits

Complete assemblies are factory tested and include:

- $\frac{3}{4}$ " hardwall hose: 12" whip & 8.5' curb, fixed ends
- $\frac{3}{4}$ " hose swivel & $\frac{3}{4}$ " breakaway
- Adapters sold separately (see previous page)

Model No.	Description	Lbs.
A0027-303	Shear Pin Breakaway	5.5
A0027-303R	Reconnectable Breakaway	5.9

Custom assemblies available

Dispenser Sumps

A0718 Above Ground Dispenser Sumps

The Emco Wheaton A0718 Above Ground Dispenser Sump is designed for use in marina and aboveground applications to mount dispensers that are plumbed to above ground tanks. The A0718 is constructed of Type 304 stainless steel. Includes hardware for the shear valve stabilizer bar and to mount the frame to the sump. Piping penetration is done on site.

The upper dispenser frame is interchangeable. When upgrading dispensers, it is only necessary to change out the frame; the sump remains in place.

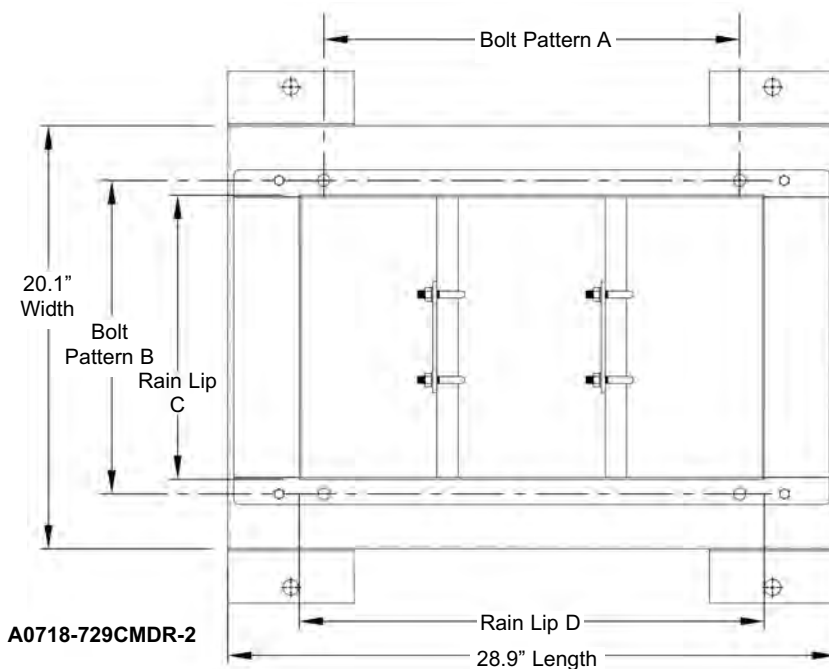
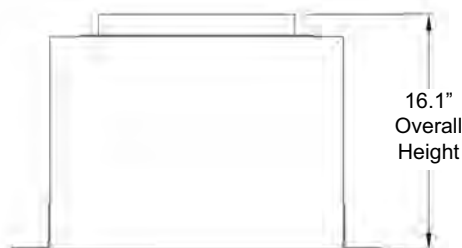
Material

Frame and Sump: 304 Stainless Steel

Hardware: Stainless Steel



■ Florida DEP EQ-870



Model No.	Description	Bolt Pattern			Rain Lip	
		A	Mid	B	C	D
A0718-729CMDR-1	Commander; 1 bracket/1 mounting plate/1 stabilizer bar	19.75"	--	14.88"	13.5"	22.10"
A0718-729CMDR-2	Commander; 2 brackets/2 mounting plates/2 stabilizer bars	19.75"	--	14.88"	13.5"	22.10"
A0718-729ATLS-1	Gasboy Atlas; 1 bracket/1 mounting plate/1 stabilizer bar	12.60"	6.3"	14.04"	12.5"	24.75"
A0718-729ATLS-2	Gasboy Atlas; 2 brackets/2 mounting plates/2 stabilizer bars	12.60"	6.3"	14.04"	12.5"	24.75"
A0718-FH515	PMC Fuelhouse; 1 bracket/1 mounting plate/1 stabilizer bar	26.50"	--	34.04"	28.0"	24.00"

Fuel Stop Switch Pedestal

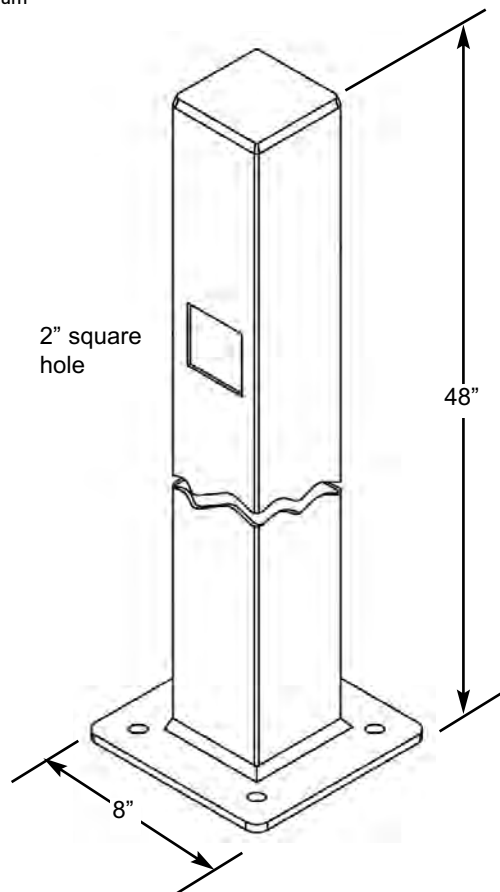
A0729 E-Stop Switch Pedestal

The Emco Wheaton A0729-048 E-Stop Switch Pedestal is designed for emergency shut-off switches. A hole in the base provides wiring access. Welded aluminum construction. Tiger series 38 super durable powder coating in anodized silver, meets AAMA 2604 compliance providing corrosion and weather resistance in marine and other harsh environments. UV resistant for five years in Florida exposure. E-stop and sign not included.

Material

Pedestal: Powder coated aluminum

Base: Powder coated aluminum



Model No.	Height	Lbs.
A0729-048	48"	11.5

Custom sizes available

**CROSS
REFERENCE**

Competitor Cross Reference

Emco	Description	OPW	Franklin	Universal	Morrison Bros.
Caps and Adapters					
A0030-024	FILL ADAPTER BRASS 4X4	633T-8076	778-301-02	724-4040	305L-0200A
A0030-024A	FILL ADAPTER ALUMINUM 4X4	633T-8075			
A0030-124S	FILL SWIVEL ADAPTER BRASS 4X4	61SALP-1020EVR	SWF-100-B		305SA-0200AA
A0076-002	VAPOR ADAPTER AL 4"CAMX3" RISER	1611AV-1605	300-300-01	0611V-3030	323-0100-AA
A0076-005	VAPOR ADAPTER AL 4"CAMX4" RISER	1611AV-1620	300-210-01	0611V-3040	323-0200-AA
A0076-124S	VAPOR SWIVEL ADAPTER BRASS 4X4	61VSA-1020EVR	SWV-101-B		323SA-0200-AA
A0089-001	TIGHT FILL ADAPTER COAX A0088	633TCP-3803		724CA-4040	605AL-0100-AA
A0096-001	TIGHT FILL ADAPTER COAX A0070	633TC-8090	306-300-01	724CA-4040	605AL-0100-AA
A0097-004LP	TIGHT FILL CAP 4" LOW PROFILE	634LPC-0400		731-40	
A0097-005	TIGHT FILL CAP 4"	634TT-7085EVR	777-201-01	733-40	305C-0100-ACEVR
A0097-010	TIGHT FILL CAP 4" FOR TANK PROBE	62M-0500		418TM-40	
A0099-002	VAPOR CAP 4"	1711T-7085 EVR	304-200-01	0614VC-30	323C-0100-ACEVR
A0099-004LP	VAPOR CAP 4" LOW PROFILE	1711LPC-0300		0613VC-30	

Emergency Shear Valves

A0060-002	SHEAR VALVE 1 1/2" 1 POP MALE	10BM-5825	662-410-03	521RMS-15	636M 0000 AVU
A0060-003	SHEAR VALVE 1 1/2" 1 POP FEMALE	10BF-5725	662-410-02	521RFS-15	636F 0000 AVU
A0060-022	SHEAR VALVE 1 1/2" 2 POP MALE	10BHMP-5830	662-440-03	521DP-RM-15	
A0060-023	SHEAR VALVE 1 1/2" 2 POP FEMALE	10BFP-5726	662-440-02	521DP-RF-15	
A0060-202S	SHEAR VALVE 2" 1 POP MALE	10RM-2003			636M 0200 AVU
A0060-203S	SHEAR VALVE 2" 1 POP FEMALE	10RF-2001			636F 0200 AVU
A0060-222S	SHEAR VALVE 2" 2 POP MALE	10RMP-2004			
A0060-223S	SHEAR VALVE 2" 2 POP FEMALE	10RFP-2002			
A0063EVR-024	VAPOR SHEAR VALVE 2 POP FEMALE	60VSP-1001			
492938	TOP KIT A0060 1 POP MALE	10RMT-5850	662-118-03		
492939	TOP KIT A0060 1 POP FEMALE	10RFT-5750	662-118-02		
493887	TOP KIT A0060 2 POP MALE	10RMTP-5851	662-240-01		
493888	TOP KIT A0060 2 POP FEMALE	10FTP-5701	662-242-01		

Overfill Prevention Valves

AI100-010	GUARDIAN VALVE ONLY 4"	61SO-4BYT	708-494-04	39-04	
AI100-065S	COAX SCREW TOGETHER 4"X13'	61SOC-4001			
AI100-066S	COAX SCREW TOGETHER 4"X15'				
AI100-067S	COAX SCREW TOGETHER 4"X18'	61SOC-4011			
AI100-085S	COAX SCREW TGTHR POPPET 4"X13'	61SOP-4002			
AI100-087S	COAX SCREW TGTHR POPPET 4"X18'	61SOP-4012			
AI100EVR-055	DP SCREW TOGETHER EVR 4"X13'	71SO-400C	708-491-11		
AI100EVR-055T	DP SCREW TOGETHER EVR 4"X13' TESTABLE	71SO-400CT	708-591-901		
AI100EVR-056	DP SCREW TOGETHER EVR 4"X15'		708-491-12		
AI100EVR-056T	DP SCREW TOGETHER EVR 4"X15' TESTABLE	71SO-410CT	708-591-902		
AI100EVR-057	DP SCREW TOGETHER EVR 4"X18'				
AI100EVR-057E	DP SCREW TOGETHER EVR 4"X18' E85		708-491-32		
AI100EVR-058	DP SCREW TOGETHER EVR 4"X21'	71SO-420C	708-492-12		
AI100EVR-058T	DP SCREW TOGETHER EVR 4"X21' TESTABLE	71SO-420CT	708-592-902		

Drop Tubes

A0020EVR-004	DROP TUBE ALUMINUM 4" X 12'	61T-7268		723-4012-2	419-0400-1T
A0020EVR-005	DROP TUBE ALUMINUM 4" X 15'	61T-7368		723-4015	419-0500-1T
A0020EVR-007	DROP TUBE ALUMINUM 4" X 17'	61T-7468			
A0020EVRC-004	DROP TUBE ALUMINUM 4" X 12' EVR	61T-7268	782-204-12-2		
A0020EVRC-005	DROP TUBE ALUMINUM 4" X 15' EVR	61T-7368	782-204-15-2		
A0020EVRC-007	DROP TUBE ALUMINUM 4" X 15' EVR	61T-7468			
A0088-101	DROP TUBE COAXIAL VR 4" X 12'	61TCP-3800	708-226-04-2		

Competitor Cross Reference

Emco	Description	OPW	Franklin	Universal	Morrison Bros.
Ball Floats & Extractor Fittings					
A0075-001	BALL FLOAT 2X5" 1/8 BH	53VL-0050		37-206018	317-0600AV
A0075-006	BALL FLOAT 2X6.87" 1/16 BH	53VL-0060		37-206016	
A0075-010	BALL FLOAT 2X18" 1/8 BH				317-1700-AV
A0075-013	BALL FLOAT 2X13.75" 1/8 BH			37-201218	
A0075-015	BALL FLOAT 2X15.75" 1/8 BH			37-201618	317-1500AV
A0075-017	BALL FLOAT 2X17.75" 1/8 BH				317-1700AV
A0078-009A	BALL FLOAT/CAGE 2X9" 1/16 BH	53VML-2090			
A0078-015	BALL FLOAT/CAGE 2X15.75" 1/16 BH	53VML-0160	308-020-116		
A0078-018A	BALL FLOAT/CAGE 2X18" 1/16 BH	53VML-0180			
A0078-021A	BALL FLOAT/CAGE 2X21" 1/16 BH	53VML-0210			
A0078-308	BALL FLOAT/CAGE 3X8" 1/16 BH	53VML-3080	308-300-08		
A0078-312	BALL FLOAT/CAGE 3X12" 1/16 BH	53VML-3120	308-300-12		
A0078-318	BALL FLOAT/CAGE 3X18" 1/16 BH	53VML-3180	308-300-18		
A0079-019	EXTRACTOR FTG & 2" CAGE 4X4X3X2			V421-3020	562-0100-AE
A0079-020	EXTRACTOR FTG & 2" CAGE 4X4X2X2			V421-2020	560-0100-AE
A0079-025	EXTRACTOR FTG & 2" CAGE 4X4X3X3			V421-3030	
A0079-050	EXTRACTOR FTG 4X4X2X2	233-4422		V420-2020	560-0101-MBE
A0079-051	EXTRACTOR FTG 4X4X3X2	233-4432	330-400-11	V420-3020	562-0101-MBE
A0079-052	EXTRACTOR FTG 4X4X3X3	233-4433	331-400-01	V420-3030	
A0079-119	EXTRACTOR FTG & 2" CAGE 4X4X3			V421-0030	563-0100AE
A0079-120	EXTRACTOR FTG & 2" CAGE 4X4X2			V421-0020	561-0100AE
A0079-150	EXTRACTOR FTG 4X4X2	233-4420		V420-0020	561-0101MBE
A0079-152	EXTRACTOR FTG 4X4X3	233-4430		V420-0030	563-0101MBE
A0179-002	EXTRACTOR CAGE 2"	H11930		V423	
A0279-001	EXTRACTOR CAGE TEST PLUG	233VMP-6047	391-201-01	V425	
A0560-003	WRENCH FOR BAR-STYLE CAGE 1 1/2"	89-0044	321-100-01	410W	
A0585-003	EXTRACTOR PIPE CAP BAR STYLE	116-7085		412-40	578-0100AC

Valves

A0066-020	CHECK VALVE PRES RELIEF 15-35PSI		622-200-01	212BPR-20-1535	
A0750-200	BALL VALVE	21BV-0200		213FP-20	

Suction System Components

A0732-001	UNION CHECK VALVE 1.5"		650-108-02	200A-15	331-0100AV
A0732-002	UNION CHECK VALVE & SCREEN 1.5"		650-104-02	200AS-15	331S-0100AV

Vents

		OPW	Franklin	Universal	Morrison Bros.
A0084-038	VENT P-V 3" PRES 8" VAC 2" F EPA	623V-2203			749CRB0600AV
A0084-103	VENT P-V 3" PRES 8" VAC 2" SLIP ON EPA				749CRBS600AV
A0084-204	VENT P-V 8 OZ. PRES .5 VAC 2"	523V-1100	802-303-01	46-2080	749-0100AV
A0084-215	VENT P-V 13.86" PRES 3" VAC 2" SLIP ON	523V-2253			
A4103-002	VENT UPWARD "V" 1.5" & 2"	23-0033, -0044		45-15 / 45-20	

Competitor Cross Reference

Emco	Description	OPW	Franklin	Universal	Fairfield
Spill Containment					
A1004-316S-CM	DW 16" CENTER 5 GAL SENSOR DRAIN		705555201CI		
A1004-317S-CM	DW 16" CENTER 5 GAL SENSOR NO DRN		705555202CI		
A1004EVR-316A	SW 16" CENTER 5 GAL PP DRAIN EVR	IC-3101D	705545001CI		
A1004EVR-316S	DW 16" CENTER 5 GAL PP DRAIN EVR	IC-3112D	705555101CI		
A1004EVR-317A	SW 16" CENTER 5 GAL PP NO DRAIN EVR	IC-3101P	705545002CI		
A1004EVR-317S	DW 16" CENTER 5 GAL PP NO DRAIN EVR	IC-3112P	705555102CI		
A1004EVR-215A	SINGLE WALL 15 GAL PP DRAIN EVR	6511A-0025SC151			
A1004EVR-215S	DOUBLE WALL 15 GAL PP DRAIN EVR	IC-31512D			
A0031-175	RISER EXTENSION 4 X 4 X 1.75			1002S-40	
A0031-250	RISER EXTENSION 4 X 4 X 2.5			1002L-40	571S-0100AE

Composite Manholes		OPW	Franklin	Flexing	Morrison Bros.
A0716-039	COMPOSITE LAY-IN 39X10	39CD-PL10	781-433-13	14U-3810	318L 3800AM
A0716-039B	COMPOSITE BOLT-DOWN 39X10	39CD-WT10	781-433-12	14URT-3810	418L 3800AM
A0716-039C	COMPOSITE CAM-LOCK 39X10	39CD-RL10		14URT-3810CL	418LC3800AM
A0716-039CL	COMPOSITE CAM-LOCK LID ONLY 39"	E00714			
A0716-039LID	COMPOSITE LAY-IN LID ONLY 39"	E00618781-448-06		14U-3810C	
A0716-042	COMPOSITE LAY-IN 42X10			14U-4210	
A0716-042LID	COMPOSITE LAY-IN LID ONLY 42"			14U-4210C	
A0716-044	COMPOSITE LAY-IN 44X10	44CD-PL10	781-443-13		318L 4400AM
A0716-044B	COMPOSITE BOLT-DOWN 44X10	44CD-WT10	781-443-12		418L 4400AM
A0716-044C	COMPOSITE CAM-LOCK 44X10	44CD-RL10			418LC4400AM
A0716-044CL	COMPOSITE CAM-LOCK LID ONLY 44"	E00712			
A0716-044LID	COMPOSITE LAY-IN LID ONLY 44"	E00626781-445-06			

Standard Manholes		OPW	Franklin	Pemco	Fairfield
A0717-018	MANHOLE CI LID 18"X12" STEEL	104A-1800	781-418-12-STL	10618x10	180-12
A0717-018A	MANHOLE CI LID 18"X18" STEEL		781-418-18-STL		180-18
A0717-024	MANHOLE 3/8" STEEL LID 24"X10" STEEL	6110-2410	SR2409HD	10624X10	240 HD
A0717-030	MANHOLE 3/8" STEEL LID 30"X10" STEEL	6110-3010	SR3009HD	10630X10	300 HD-B
A0717-030B	MH 3/8" STEEL LID 30"X10" STEEL BD		SR3009WT	10730X10	300 WT
A0717-036	MANHOLE 1/2" STEEL LID 36"X10" STEEL		SR3609HD		
A0717-036B	MH 1/2" STEEL LID 36"X10" STEEL BD	6110-37WT	SR3609WT		
A0717-038	MANHOLE 1/2" STEEL LID 38"X10" STEEL		SR3809HD		
A0717-038B	MH 1/2" STEEL LID 38"X10" STEEL BD	6110-37WT	SR3809WT		
A0717-038C	MANHOLE 3/8" STEEL LID 38"X10" STEEL	6110-3710		10638X10	380HD
A0717-042A	MANHOLE 1/2" STEEL LID 42"X10" STEEL	6110-4200	SR4209HD		420HD
A0717-042D	MANHOLE 3/8" STEEL LID 42"X10" STEEL			10642X10	
A0717-048	MANHOLE 1/2" STEEL LID 48"X10" STEEL		SR4809HD	10748X10	480HD
A0717-108	MANHOLE CI LID 8"X12" STEEL			100C8X12	80-12
A0717-122	MANHOLE CI LID 12"X12" STEEL	104A-1200	781-212-12-CI	100C12X12	120-12
A0717-122B	MANHOLE STL LID 12"X12" STEEL BD			10212X12	120WT
A0717-122FG	MANHOLE CI LID 12"X12" STEEL FINGER	104FG-1200			
A0717-124	MANHOLE STEEL LID 24"X10" STEEL BD	6110-24WT		10724X10	240WT
A0717-128	MANHOLE CI LID 12"X8" STEEL			100C12X8	120 8
A0717-136	MANHOLE 3/8" STEEL LID 36"X10" STEEL	6110-3710		10636x10	360 HD
A0717-136B	MH 3/8" STEEL LID 36"X10" STEEL BD			10736X10	360 WT
A0717-148	MANHOLE 3/8" STEEL LID 48"X10" STEEL		SR4809WT	10648X10	
A0717-188	MANHOLE CI LID 8"X9" STEEL		78120808	100C8X75	80 8

Competitor Cross Reference

Emco	Description	OPW	Franklin	Pemco	Fairfield
Square Manholes and Vaults					
A0717-718	MANHOLE STEEL LID SQUARE 18"X9"				18S
A0717-724	MANHOLE STEEL LID SQUARE 24"X9"		SSQ2409	I0524X24	24S
A0717-724A	MANHOLE STEEL LID SQUARE 24"X24"			I0524X24X24	
A0717-724ABW	MANHOLE STEEL LID SQ 24"X24" BD WR			I0524X24WT	
A0717-724V	MANHOLE LOCKING VAULT 24"X24"			I04242424	
A0717-724VW	MANHOLE LOCKING VAULT 24"X24" WR			I04242424WT	

Monitoring Well Manholes		Universal	Morrison Bros.	Pemco	Fairfield
A0720-001	MONITOR WELL CAP, COLLAR & LOCK	I300-40	305XA-0100 AC		
A0721-018	MONITOR WELL 18"X12" STEEL		418XAP-1200 AM	I06MW18X12	108-TMW-12
A0721-101	MONITOR WELL 12"X12" STEEL	65-1212-WC	418XAP-0400 AM	I0312X12	120-MW-12
A0721-106	MONITOR WELL 6"X8" STEEL			I035X6	
A0721-106A	MONITOR WELL 6"X10" STEEL			I035X12	
A0721-108	MONITOR WELL 8"X12" STEEL	65-8012-WC	418XAP-0900 AM	I038X12	80-MW-12
A0721-118	MONITOR WELL 18"X18" STEEL		418XAP-1300 AM		180-TMW-18
A0721-119	MONITOR WELL 12"X19" STEEL			I0312X18	
A0721-188	MONITOR WELL 8"X9" STEEL	65-8075-WC	418XAP-0850 AM	I038X75	80-MW-8
A0721-188L	MONITOR WELL 8"X9" STEEL LAY-IN	60MW-8075		I00MW8X75	
A0721-208W	MONITOR WELL 8"X12" HD STEEL		418XAW-0700 AM		

Vapor Recovery Balanced Nozzles		OPW	Husky	VST
A4005-002	N-NOZZLE-BAL-UL	I1VF-XX27	005210-04	
A4005-004	R-NOZZLE-BAL-UL	I1VF-XX87	005450-04	
A4015-002	N-NOZZLE-BAL-UL		005010-04	
A4015-004	R-NOZZLE-BAL-UL		005410-04	
A4005EVR-052	N-NOZZLE-BAL-UL EVR			VST-EVR-NB

Competitor Cross Reference

Emco	Description	OPW	Franklin	Husky	VST
Safebreaks					
A2119-002	SAFEBREAK 3/4" SHEAR PIN	66V-0300		2273	
A2219-002	SAFEBREAK 3/4" RECONNECTABLE	66REC-1000	697-137-01	3360	
A3019-001	SAFEBREAK 1" SHEAR PIN	66V-1300			
A3219-001	SAFEBREAK 1" RECONNECTABLE	66RB-2000	797-225-01	2276	
A4119EVR-020	SAFEBREAK COAXIAL SHEAR PIN EVR				VSTA-EVR-SBK

Swivels					
A0360-075	SWIVEL 3/4"M X 3/4"F NPT	205-7575	3DC3/4	0350	
A0360-100	SWIVEL 1"M X 1"F NPT	205-1010	3DC1X1	0087	

Splitters					
A4041-001	COAX SPLITTER ISLAND MOUNT	38CS-0380	3030101		
A4043-001	COAX SPLITTER HIGH				

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A0021-149	WHIP 3/4" X 9" STANDARD	124041		
A0021-155	WHIP 3/4" X 12" STANDARD		532-327-124-21269	
A0021-180	WHIP 1" X 10" STANDARD	123041		
A0021-185	WHIP 1" X 12" STANDARD	123061		
A0021-305	CURB 3/4" X 9' STANDARD		532-327-124	1481-211
A0021-310	CURB 3/4" X 10' STANDARD	124341	532-327-124	1481-101
A0021-320	CURB 3/4" X 12' STANDARD	124421	532-327-124	1481-121
A0021-330	CURB 3/4" X 14' STANDARD	124481	532-327-124	1481-141
A0021-335	CURB 3/4" X 15' STANDARD	124501		1481-151
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Warranty Policy

Emco Wheaton Retail Corporation service station products are warranted to be free from defects in material and workmanship under normal use and service. Non-EVR Vapor recovery nozzles are warranted for a period of twelve (12) months from date of shipment from Emco Wheaton Retail Corporation or from installation date as specified by the returned warranty card, not to exceed fourteen (14) months from the date of shipment from Emco Wheaton Retail Corporation. This warranty excludes the spout and/or front end components of balance vapor recovery nozzles unless damage is obvious when the nozzle is removed from the shipping carton and the defective nozzle is returned to Emco Wheaton Retail Corporation prior to use and within two (2) months from the date of invoice. EVR vapor recovery hanging hardware components are subject to other specific warranty conditions as stated in a separate warranty policy. Other service station products are warranted for a period of twelve (12) months from the date of manufacture.

Emco Wheaton Retail Corporation shall, at its option, repair or replace that part which proves to be defective. Repaired or replacement nozzles are warranted for the balance of the original warranty period. This warranty is void unless the original purchaser returns the claimed defective item to Emco Wheaton Retail Corporation for inspection to determine whether the claimed defect is covered by this warranty.

The exclusive and sole remedy under this warranty is repair or replacement of the defective part. Emco is not responsible for claims for damage caused by improper installation or maintenance; corrosive fluids; misuse of the product or use the product for other than its intended purpose; or accident, acts of God, or natural phenomena. Emco will not pay for labor or related expenses, nor shall Emco be liable for any incidental, consequential or exemplary or other damages, including without limitation lost profits. This warranty is void if the Emco Wheaton Retail Corporation product has been previously repaired with parts not approved by Emco Wheaton Retail Corporation, or if a nozzle bears the mark or imprint of a company other than Emco Wheaton Retail Corporation, indicating the nozzle has been rebuilt or repaired by a company other than Emco Wheaton Retail Corporation.

EMCO WHEATON RETAIL CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, (WHETHER WRITTEN OR ORAL), INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

In the event a nozzle is returned to Emco Wheaton Retail Corporation within the warranty period described above, and when tested is found to be functional and without defect, Emco Wheaton Retail Corporation reserves the right to return the nozzle to the customer or apply a Core Credit (see Nozzle Core Return Program), at Emco Wheaton Retail Corporation's discretion.

In the event of failure within the warranty period, call the Customer Service Department at (800) 234-4394. Describe the problem and provide the product date stamp information to the customer service representative. In the case of a nozzle, provide the serial number. The customer service representative will provide a product complaint number, if applicable. Ship the defective equipment PREPAID, to Emco Wheaton Retail Corporation for repair or replacement.

Emco Wheaton Retail Corporation products should be used in compliance with applicable federal, state and local laws and regulations. Product selection should be based on physical specifications and limitations and compatibility with the environment and material to be handled. All illustrations and specifications are based on the latest product information available at the time of publication. Emco Wheaton Retail Corporation reserves the right to make changes at any time in prices, materials, specifications and models and to discontinue models without notice or obligation.



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