

◆ POMECO/OPW MULTI-PORT SPILL CONTAINMENT MANHOLES

POMECO/OPW Multi-Port Spill Containment Manholes provide spill containment for underground storage tank (UST) fill pipes and vapor recovery risers in a completely integrated single manhole package. Multiports are installed over the top of tank sumps to preserve future access to the tank top and to facilitate containment of tank bung fittings.

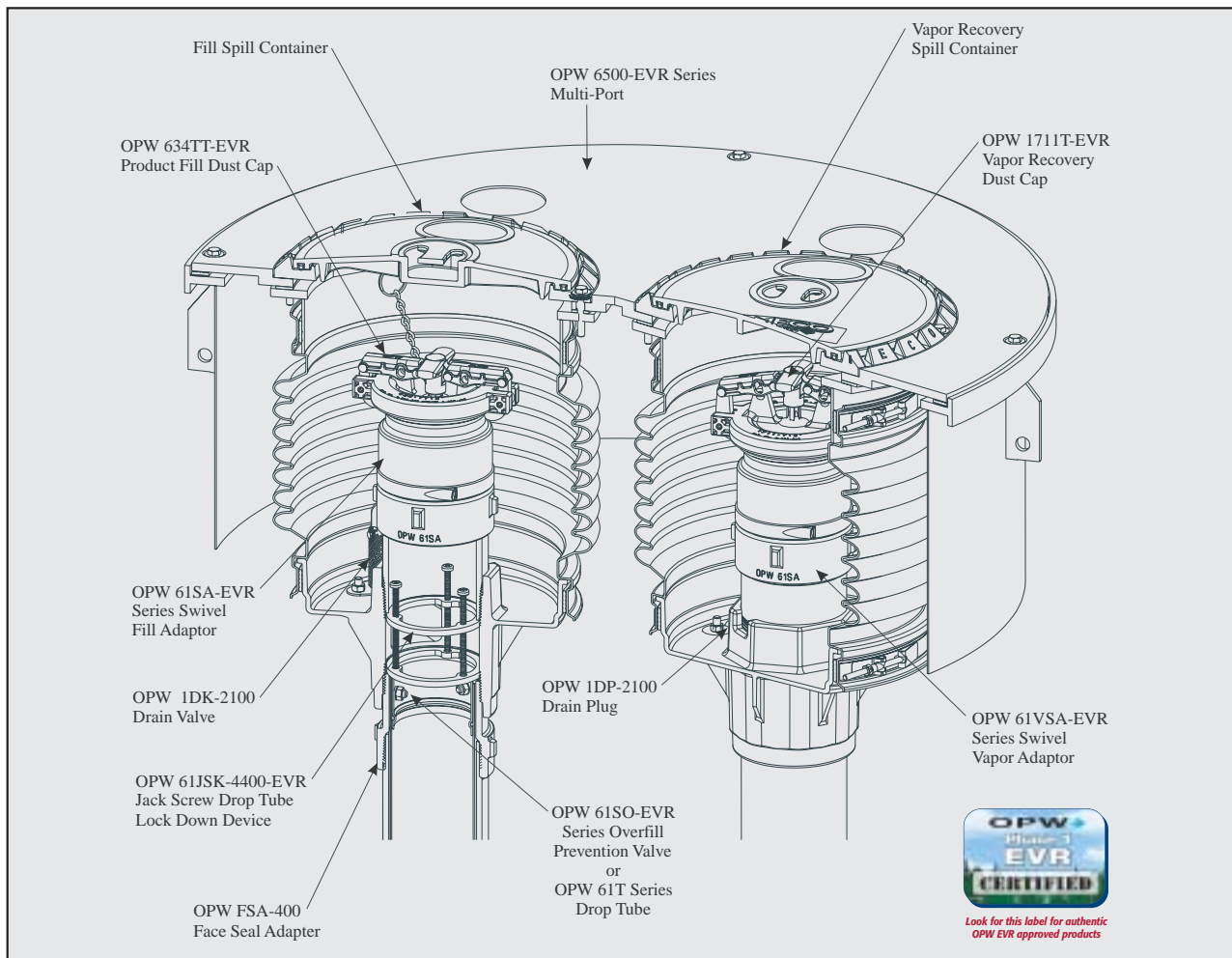
Model Descriptions

POMECO/OPW offers a vast array of standard multiport configurations and options, in addition to an almost unlimited ability to provide custom solutions for virtually any spill containment application.

- ◆ **POMECO/OPW 311 Series** - Features a flush-mounted manhole lid and raised dual dam and groove spill container ring, with P311 Buckets using POMECO 111 Style steel, slip-on 5, 10 or 15-gallon containers with external drains (piped to the fill riser) or optional hand pump (hand pump is standard with 12" riser spacing).
- ◆ **POMECO/OPW 411 Series** - Features a flush-mounted manhole lid and raised dual dam and groove spill container ring, with P2105 Buckets using OPW 1-2105 Style slip-on 5-gallon (standard) or 7.5-gallon containers. Base is standard 1" offset from center and can be used for 12", 14", 16" or wider riser spacing. Optional 1P-2105 Hand Pump available.
- ◆ **POMECO/OPW 500 Series (511 / 521) EVR Multi-Port** - Features a flush-mounted manhole lid and raised dual dam and groove spill container ring, with P511-EVR Buckets using OPW 1-2100 Style thread-on Spill Containers. All Fill Ports in these spill containers feature a enhanced 1DK-2100-EVR vapor tight drain valve. The Vapor return Spill Container features a permanent plug in the drain port as per EVR requirements. EVR Multi-Port Thread -On Spill containers are available in Composite or Cast Iron bases with either 5 or 7.5 gallon buckets. Drain Valve Spill Bucket & Plug Spill bucket standard on Dual Ports, Drain Valve Spill Bucket standard on Single Port
- ◆ **Required for EVR APPLICATIONS** - The FSA-400 Threaded Riser Face Seal Adaptor is installed on the fill pipe below the spill container to provide a true sealing for the drop tube flange on the 61SO-EVR overfill prevention valve. The 61SO-EVR series valve is installed in the base of the OPW EVR spill container with the patent pending 61JSK jack screw device. This configuration allows liquid in the spill container to be drained directly into the drop tube thereby isolating the drain valve from the tank ullage, eliminating a notorious leak point in previous systems.

See page 14 for ordering specifications on the FSA-400 & 61JSK

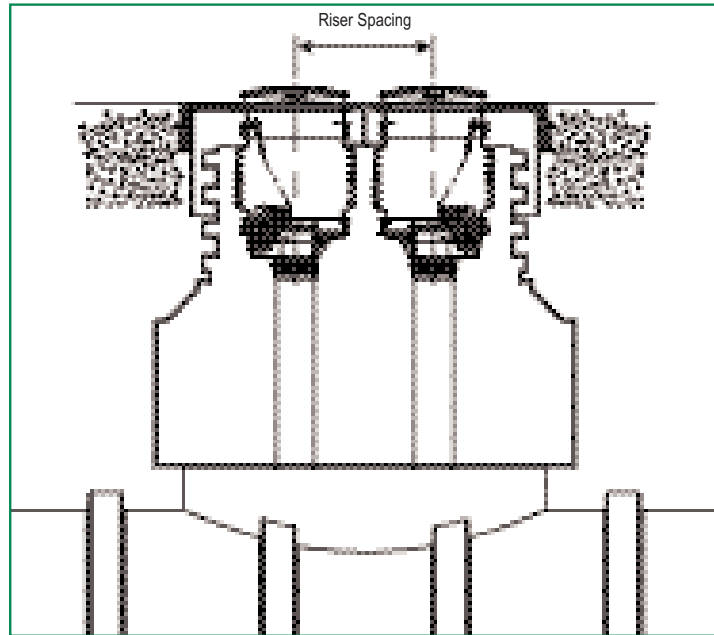
500-EVR SERIES MULTI-PORT APPLICATION



POMECO/OPW MULTI-PORT SPILL CONTAINMENT MANHOLES

Features

- ◆ **Raintight Service** - Buna-N gaskets on the manhole and spill bucket mounting rings help prevent contamination of the sump area from surface water intrusion.
- ◆ **Highway 20 Load Rating** - The rugged diamond plate steel manhole covers, as well as the cast iron (RT) or aluminum (SC) spill container covers meet H20 Load Rating requirements.
- ◆ **Spill Container and Manhole Positive I.D. System** - Special recesses cast into spill container covers and machined into manhole lids allow "Peel & Stick" tags to be attached to the lids. Matching bucket tags can be affixed to the inside of the spill container to prevent covers from getting switched.
- ◆ **CARB Certified** - 311 Series Approval Letter #93-25, 511 and 611 Series Approval Letter #92-12.
- ◆ **Fill/Vapor Ports** - Configurations are available to accommodate a single fill riser, dual ports for both a fill and vapor riser, and triple and quad ports for multiple fill and vapor risers. Vapor ports can be supplied with or without containment buckets.
- ◆ **Port Configurations** - Standard port locations match the popular riser spacings (12", 14", 16" or 24") and bung configurations on underground storage tanks. Custom port locations are easily accommodated.
- ◆ **Monitoring Ports** - Bolt-down, gasketed monitoring ports can be incorporated into the manhole cover to provide observation access to the sump without removing the entire cover. Standard port diameter is 5" (13 cm) with larger ports available upon request.
- ◆ **Manhole Cover Sizes** - Standard bolt-down manhole cover diameters of 30" (76 cm), 37" (94 cm), 42" (107 cm), and 48" (122 cm) allow ample access to the sump area. Provision for a ½"-13 lifting eyebolt is provided on 42" and 48" models. Heavy-duty reinforced lid options are also available.
- ◆ **Spill Container Cover Options** - Standard spill container options include the patented POMECO/OPW dam and groove Raintight (RT) design and the watertight Sealable Cover (SC) "plumber's plug" design. The Raintight cover features a finger-grip lifting facility and an integral seal. The sealable cover features a cam-operated mechanism that expands the seal against the vertical wall of the mounting ring. Both of these water-shedding covers are protected by raised mounting rings. A below-grade (BG) option is available which provides watertight underground containment vessels while maintaining a non-watertight flush manhole cover surface.



- ◆ **Fastener Options** - Two types of fasteners are available to secure the manhole lid and monitoring port to mounting rings. Standard are 5/16"-18 hex head bolts. Optional are POMECO/OPW Roto-Lock Fasteners. The POMECO/OPW Roto-Lock system enables a secure, watertight connection without the need to locate threaded bolt holes on the mounting ring.
- ◆ **Custom Multi-Port Manholes** - Contact your POMECO/OPW representative.
- ◆ **Powder Coated Rings & Covers** - Available upon request.



POMECO/OPW MULTI-PORT SPILL CONTAINMENT ORDERING SPECIFICATIONS

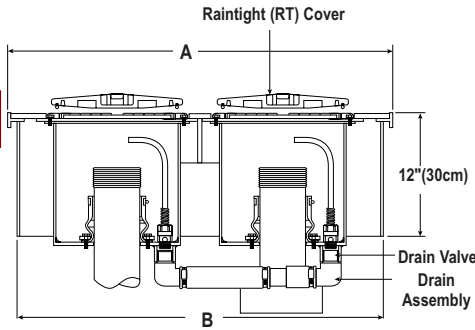
Dimensions

| A | | B | |
|-----|-----|---------|-------|
| in. | cm. | in. | cm. |
| 37" | 94 | 34 5/8" | 88 |
| 42" | 107 | 39 5/8" | 101 |
| 48" | 122 | 45 5/8" | 116.5 |

Materials:

Cover: diamond plate steel
 Ring: steel T-Bar
 Bucket: steel
 Skirt: galvanized steel
 RT Cover: cast iron

311 MODEL/321 MODEL (w/ Roto-Lock)



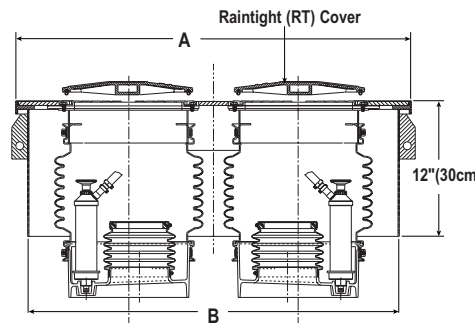
Dimensions

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| 37" | 94 | 34 5/8" | 88 |
| 42" | 107 | 39 5/8" | 101 |
| 48" | 122 | 45 5/8" | 116.5 |

Materials:

Cover: diamond plate steel
 Ring: steel T-Bar
 Bellows: HDPE
 Base: Duratuff® II
 Skirt: galvanized steel
 RT Cover: cast iron

411 MODEL/421 MODEL (w/ Roto-Lock)



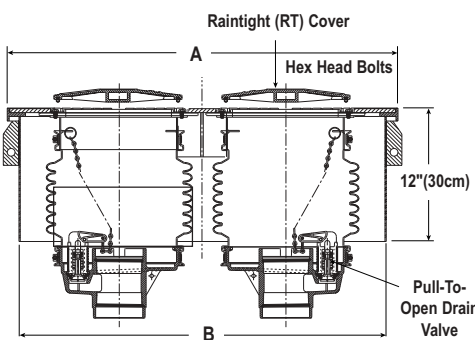
Dimensions

| A | | B | |
|-----|-----|---------|-------|
| in. | cm. | in. | cm. |
| 30" | 76 | 26 5/8" | 68 |
| 37" | 94 | 34 5/8" | 88 |
| 42" | 107 | 39 5/8" | 101 |
| 48" | 122 | 45 5/8" | 116.5 |

Materials:

Cover: diamond plate steel
 Ring: steel T-Bar
 Bellows: HDPE
 Base: Duratuff® II
 Skirt: galvanized steel
 RT Cover: cast iron

511 MODEL/521 MODEL (w/ Roto-Lock)



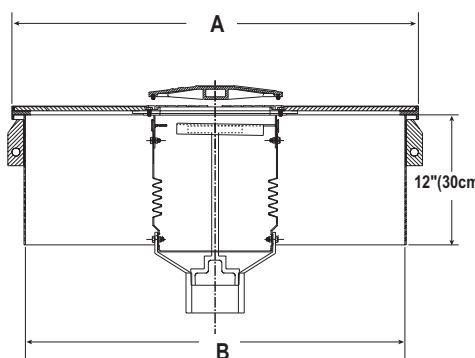
Dimensions

| A | | B | |
|-----|-----|---------|-------|
| in. | cm. | in. | cm. |
| 30" | 76 | 26 5/8" | 68 |
| 37" | 94 | 34 5/8" | 88 |
| 42" | 107 | 39 5/8" | 101 |
| 48" | 122 | 45 5/8" | 116.5 |

Materials:

Cover: diamond plate steel
 Ring: steel T-Bar
 Bellows: HDPE
 Base: Duratuff® II
 Skirt: galvanized steel
 RT Cover: cast iron

511Y MODEL- WASTE OIL



Product Number
6 _____ **EVR** _____
 (500 Series Only)

Bolt Down Model Number

- 6511EVR - HDPE Bellows, Thread-On Composite Base, Bolt-Down
- 6561EVR - HDPE Bellows, Thread-On Cast Iron Base, Bolt-Down
- 311- Steel Slip-On Bucket with Roto-Lock Fasteners
- 411- HDPE Bellows, Slip-On composite Base with Roto-Lock Fasteners

Roto-Lock Model Number

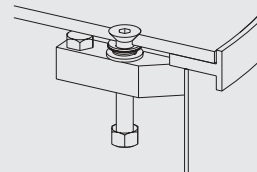
- 6521EVR - HDPE Bellows, Thread-On Composite Base, Roto-Lock
- 6571EVR - HDPE Bellows, Thread-On Cast Iron Base, Roto-Lock
- 321- Steel Slip-on Bucket with Roto-Lock Fasteners
- 421- HDPE Bellows, Slip-on composite Base with Roto-Lock Fasteners

Fill/Vapor Port Configurations

- A (Dead Center)
- B
- E
- G (42" Minimum Cover)
- L (Offset Single Port)
- T
- Y (511Y - Waste Oil; Offsets are available)

Optional Roto-Lock Fastener System

The POMECO/OPW Roto-Lock system enables a secure raintight connection without the need to locate threaded bolt holes on the mounting ring.



Roto-Lock Detail (optional)

Custom Multi-Port Manholes

OPW will retrofit existing sites, or substitute the special options below upon request.

Special Options

- Cast Iron Spill Containment Bases
- Heavier Steel Gauge Covers.
- Powder Coated Rings and Covers to grades or color specifications

POMECO/OPW MULTI-PORT SPILL CONTAINMENT ORDERING SPECIFICATIONS

Replacement / Retrofit Manhole

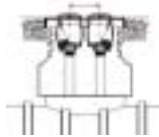
RP - (No Ring / Skirt)

Riser Spacing

00 - Single Port (A or Y Configurations)
 14 - 14" Centers
 16 - 16" Centers
 24 - 24" Centers (42" Minimum Cover)

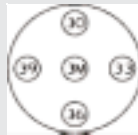


Riser Spacing



Monitor Port Configuration

00 - No Gauge Port
 30 - Port at 12 O'Clock
 33 - Port at 3 O'Clock
 36 - Port at 6 O'Clock
 39 - Port at 9 O'Clock
 3M - Port in Center



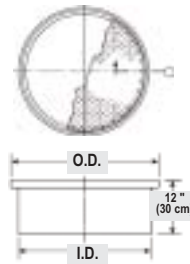
Port Location Example

Roto Lock

40 - Port at 12 o'clock
 43 - Port at 3 o'clock
 46 - Port at 6 o'clock
 49 - Port at 9 o'clock
 4M - Port in Center

Manhole Cover Size

30" (A or Y Port Configurations)
 36-36" Retrofit Only
 37-37"
 39-39" Retrofit Only
 42-42"
 48-48"



Dimensions

| O.D. | | I.D. | | Thickness |
|------|-----|----------------------------------|-----|-----------|
| in. | cm. | in. | cm. | |
| 30" | 76 | 26 ⁵ / ₈ " | 68 | 3/8" |
| 37" | 94 | 34 ⁷ / ₈ " | 88 | 3/8" |
| 42" | 107 | 39 ⁵ / ₈ " | 101 | 1/2" |
| 48" | 122 | 44 ⁵ / ₈ " | 113 | 1/2" |

Spill Container Cover Style

RT - Raintight
 SC - Sealable Cover



RT - Raintight



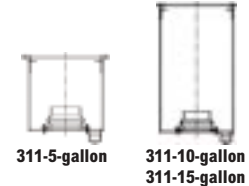
SC - Sealable Cover (Lid in open position)

Spill Container Capacity*

00 - No Containment
 05 - 5-Gallon
 07 - 7.5-Gallon
 10 - 10-Gallon (311 Only)
 15 - 15-Gallon (311 Only)

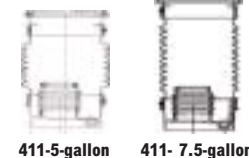
Of Ports With Containment*

0
 1
 2
 3
 4



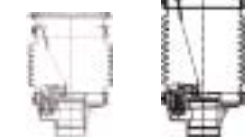
311-5-gallon

311-10-gallon
311-15-gallon



411-5-gallon

411- 7.5-gallon



511- 5-gallon

511-7.5-gallon

| Model No. | Base Price | Additional Cost PER Port | | Additional Cost PER Gauge Port | | *Additional For Larger Diameters | | **Additional Cost PER (Port) Sealable Covers | ***Additional Spill Containers PER Port Contained | | |
|---------------|------------|--------------------------|---------------|--------------------------------|----------|----------------------------------|----------|--|---|-----------|-----------|
| | | Contained | Not Contained | 30 Style | 40 Style | 42" | 48" | | 7.5 Gallon | 10 Gallon | 15 Gallon |
| 311 | \$545.00 | \$300.00 | \$85.00 | \$75.00 | \$105.00 | \$205.00 | \$330.00 | \$300.00 | \$20.00 | \$40.00 | \$55.00 |
| 321 | \$615.00 | \$300.00 | \$85.00 | \$75.00 | \$105.00 | \$305.00 | \$430.00 | \$300.00 | \$20.00 | \$40.00 | \$55.00 |
| 411 | \$545.00 | \$275.00 | \$85.00 | \$75.00 | \$105.00 | \$205.00 | \$330.00 | \$300.00 | \$20.00 | N/A | N/A |
| 421 | \$615.00 | \$275.00 | \$85.00 | \$75.00 | \$105.00 | \$305.00 | \$430.00 | \$300.00 | \$20.00 | N/A | N/A |
| 6511/6561-EVR | \$565.00 | \$305.00 | \$85.00 | \$75.00 | \$105.00 | \$205.00 | \$330.00 | \$300.00 | \$20.00 | N/A | \$55.00 |
| 6521/6571-EVR | \$635.00 | \$305.00 | \$85.00 | \$75.00 | \$105.00 | \$305.00 | \$430.00 | \$300.00 | \$20.00 | N/A | \$55.00 |

NOTE: Customized models available upon request. * 37" is standard. ** Raintight cover is standard. *** 5-gallon bucket is standard.

EVR Multi-Ports

Thread-On Spill Containers are available in Composite or Cast Iron Bases with either 5 or 7.5 gallon buckets. (1) Drain Valve Spill Bucket & (1) Plug Spill Bucket standard on Dual Ports. Drain Valve Spill Bucket standard on Single Port.

| Replacement Parts | | | Part No. | Description | List Price |
|-------------------|---|------------|--------------|--|------------|
| Part No. | Description | List Price | P511-GKIT | 511 Multi-Port Gasket Kit | \$76.85 |
| P111-WTL | Replacement Raintight Cover (RT) | \$86.75 | P311-1R | Mounting Ring for RT Cover | \$63.00 |
| P111-WTLS | Replacement Seal for RT Cover | \$13.50 | P311-14 | Mounting Ring for RT Cover (for 12" and 14" riser spacing) | \$57.10 |
| C04158 | Replacement Sealable Cover (SC) | \$267.90 | P511-SC-Ring | Mounting Ring for SC Cover | \$116.45 |
| H13931M | Replacement Seal for SC Cover | \$79.95 | P111-VE | 311 Drain Valve | \$56.10 |
| P2105BUCKET | 411 Replacement Bucket 5-Gallon | \$188.20 | P311DRKIT | 311 Drain Kit (Hoses/Fittings) | \$40.95 |
| P311BUCKET | 311 Replacement Bucket 5-Gallon | \$188.20 | 1DK-2100-EVR | 511 Drain Valve | \$45.00 |
| P511YBUCKET | Replacement Waste Oil Bucket | \$305.00 | PBOOT | 311 Replacement Boot | \$54.95 |
| P511-DEVRBUCKET | Replacement 5 Galon Bucket With Drain Valve | \$263.00 | P111-K1 | 311 Boot Flange | \$18.50 |
| P511-PEVRBUCKET | Replacement 5 Galon Bucket With Plug | \$258.00 | 1P-2105 | Pump Kit for 411/P2105BUCKET | \$38.00 |
| P311G | Bucket Top Flange Gasket for 12 hole Gasket | \$19.05 | P110-37G | 36/34" Manhole Gasket | \$24.95 |
| P311-G14 | Bucket Top Flange Gasket for Notched Gasket Set | \$19.05 | P110-42G | 42" Manhole Gasket | \$26.95 |
| P521-GKIT | 521 Multi-Port Gasket Kit | \$76.85 | P110-48G | 48" Manhole Gasket | \$29.95 |
| | | | P1100-SL | Urethane Sealant 10 oz. | \$7.90 |
| | | | PROTO-LOCK | (1) Roto Lock | \$25.95 |