

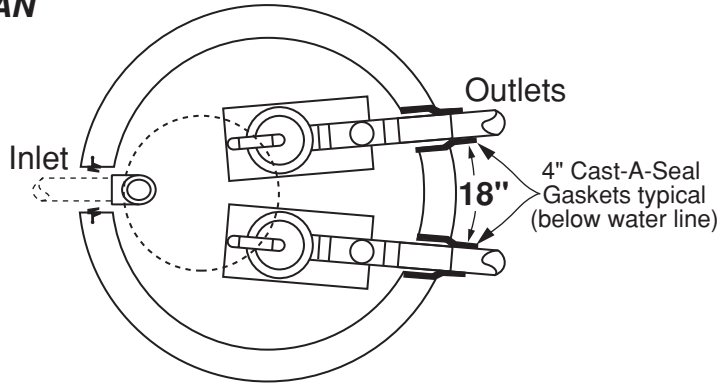
400 Gal. Dual Alternating Auto Siphon Chamber

FLXX®

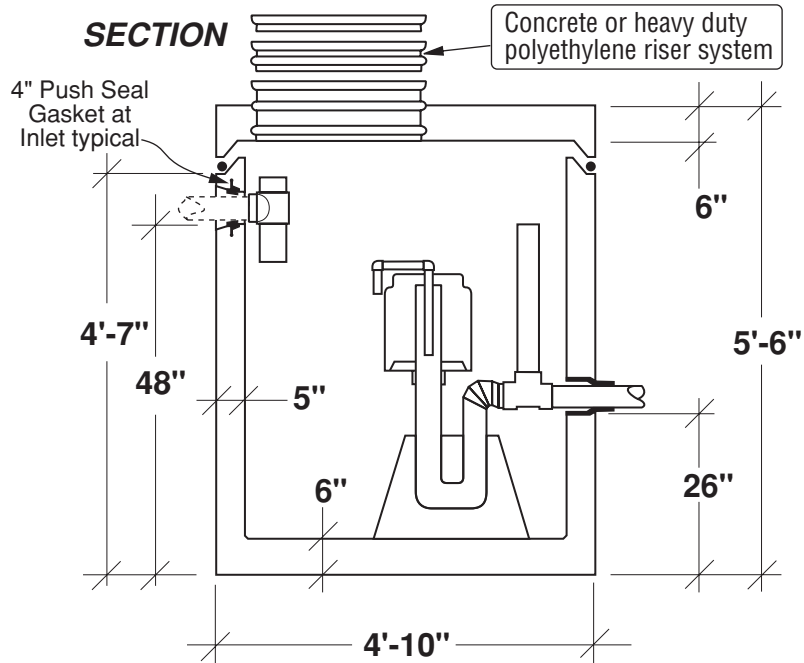
FLXX®

- Monolithic tank meets ASTM-C-1227 Spec. for water and waste-water structures.
- Butyl rubber sealant meets Fed. Spec. SS-S-210A. (Provided with tank)
- All plumbing shown in diagram is 4" SDR 35. (Provided with tank)

PLAN



SECTION



* Includes (2) 200 lbs. siphon / foundations

| Part # | Siphon / Discharge | | Approximate Weights | | |
|-------------|--------------------|----------|---------------------|-----------|-----------|
| | | | Tank* | Lid | Total |
| PCA-000-281 | #413 | 100 Gal. | 5,250 lbs | 1,520 lbs | 6,770 lbs |
| PCA-001-281 | #417 | 135 Gal. | | | |

Note: N.T.S.

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Watertight
Front Range Precast Concrete, Inc.
 5439 N. Foothills Highway, Boulder, Colorado 80302
 Phone (303) 442-3207 • (800) 783-3207 • Fax (303) 442-3209
www.flxx.com

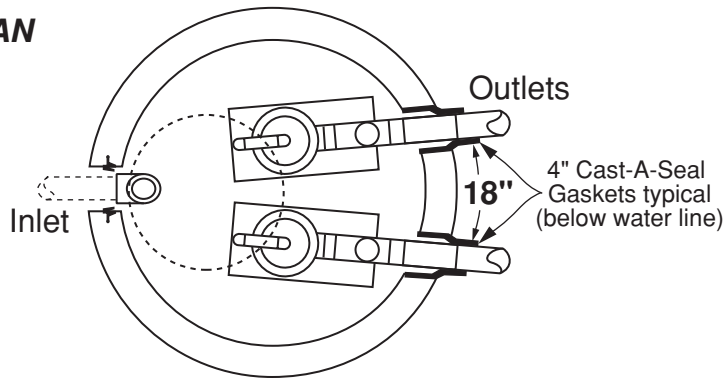
500 Gal. Dual Alternating Auto Siphon Chamber

FLXX®

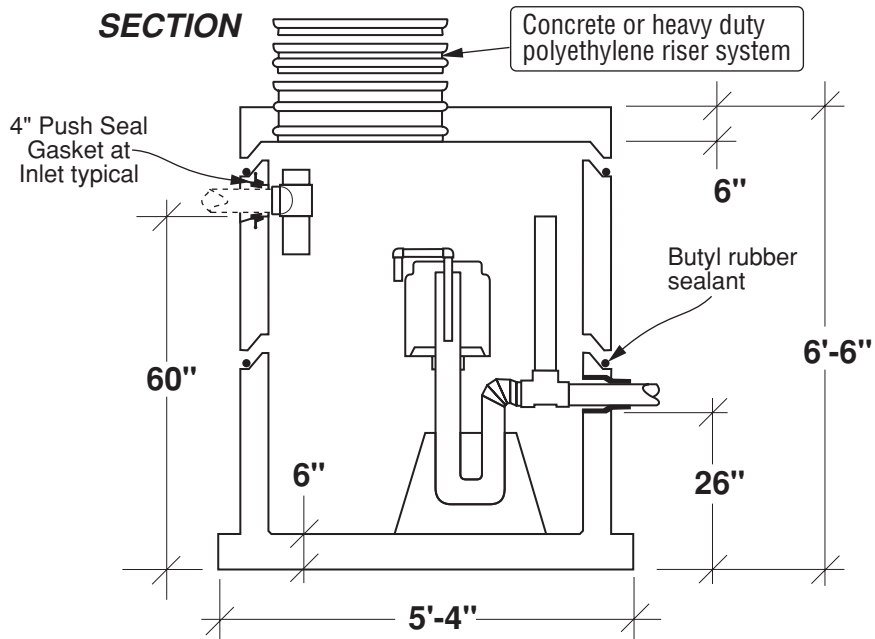
FLXX®

- Monolithic tank meets ASTM-C-1227 Spec. for water and wastewater structures.
- Butyl rubber sealant meets Fed. Spec. SS-S-210A. (Provided with tank)
- All plumbing shown in diagram is 4" SDR 35. (Provided with tank)

PLAN



SECTION



* Includes (2) 200 lbs. siphon / foundations

| Part # | Siphon/ Discharge | | Approximate Weights | | | |
|-------------|----------------------|----------|---------------------|----------------|-----------|-----------|
| | | | Bottom Section* | Top Section | Lid | Total |
| PCA-002-286 | #423 | 180 Gal. | 4,740 lbs | 1,735 lbs | 1,520 lbs | 7,995 lbs |

Note: N.T.S.

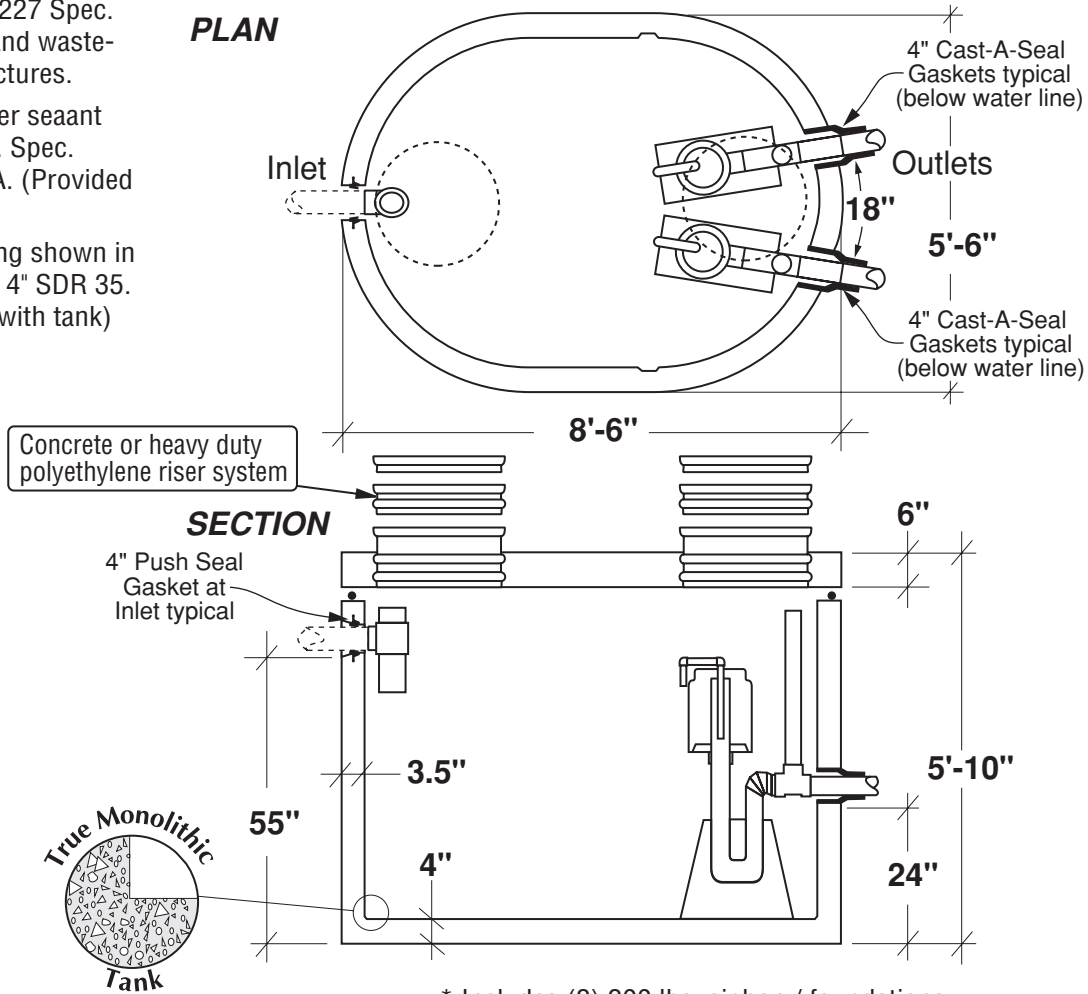
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1000 Gal. Dual Alternating Auto Siphon Chamber

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- Butyl rubber seaant meets Fed. Spec. SS-S-210A. (Provided with tank)
- All plumbing shown in diagram is 4" SDR 35. (Provided with tank)



* Includes (2) 200 lbs. siphon / foundations

| Part # | Siphon / Discharge | | Approximate Weights | | |
|-------------|--------------------|----------|---------------------|-----------|-----------|
| | | | Tank* | Lid | Total |
| PCA-000-290 | #413 | 225 Gal. | | | |
| PCA-001-290 | #417 | 300 Gal. | 7,110 lbs | 2,550 lbs | 9,670 lbs |
| PCA-002-290 | #423 | 400 Gal. | | | |

Note: N.T.S.

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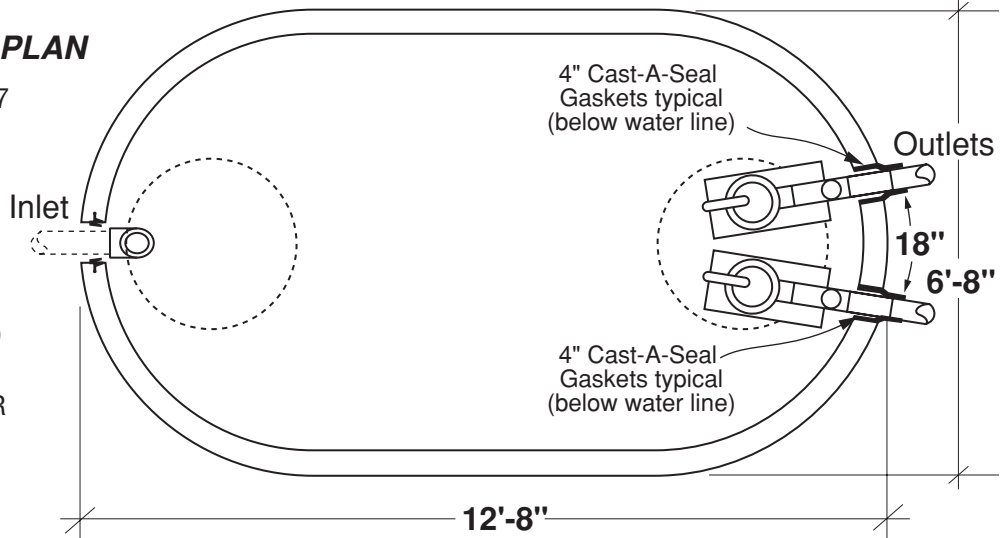
2000 Gal. Dual Alternating Auto Siphon Chamber

FLXX®

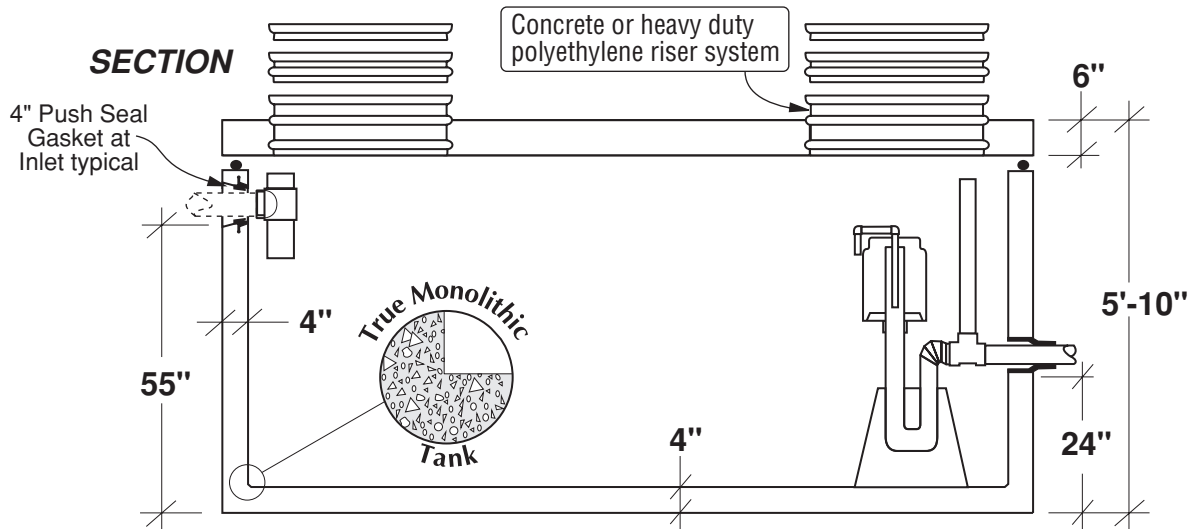
FLXX®

- Monolithic tank meets ASTM-C-1227 Spec. for water and wastewater structures.
- Butyl rubber sealant meets Fed. Spec. SS-S-210A. (Provided with tank)
- All plumbing shown in diagram is 4" SDR 35. (Provided with tank)

PLAN



SECTION



* Includes (2) 200 lbs. siphon / foundations

| Part # | Siphon / Discharge | Approximate Weights | | |
|-------------|--------------------|---------------------|-----------|------------|
| | | Tank* | Lid | Total |
| PCA-000-292 | #413 520 Gal. | | | |
| PCA-001-292 | #417 680 Gal. | 12,090 lbs | 5,145 lbs | 17,235 lbs |
| PCA-002-292 | #423 920 Gal. | | | |

Note: N.T.S.

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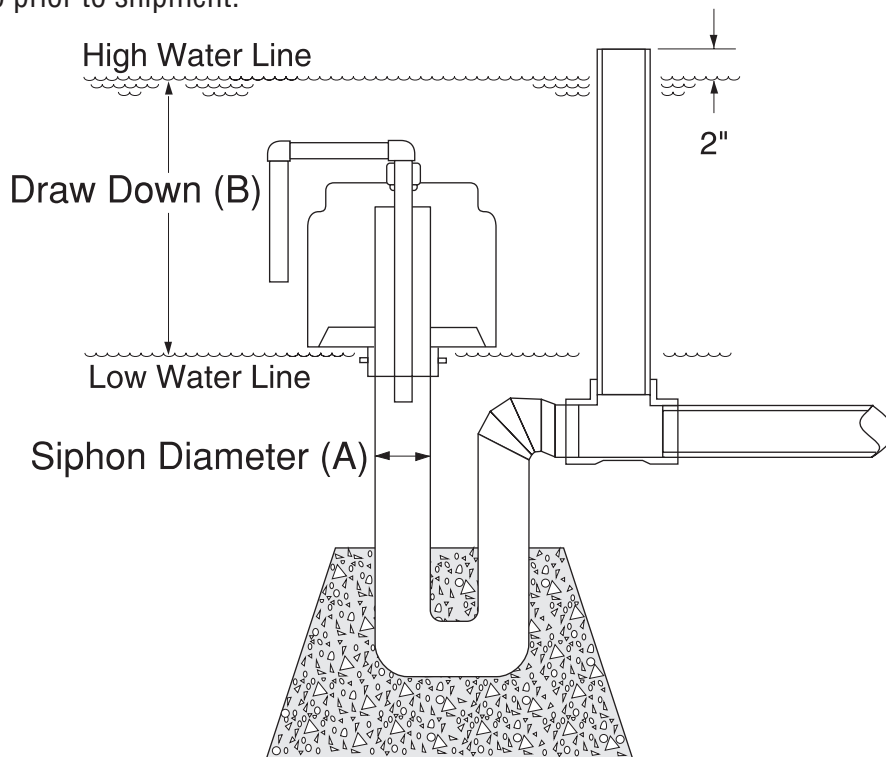
Operation of Single Automatic Siphons

FLXX

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As liquid rises in the dosing tank it covers the siphon bell. When the liquid in the tank reaches the high water line, a quantity of air is forced around the trap and escapes through the discharge siphon. The escaping air relieves the back pressure and starts the siphon action. The liquid is drawn out of the tank at a high flow rate (typically 100 GPM - 180 GPM) until the water reaches the bottom of the bell. At this point the siphon action is stopped as the air is drawn into the siphon bell.

FRPC sets the siphon trap in a foundation base, installs the trap, bell and overflow in the tank and primes the trap prior to shipment.



APPROXIMATE DIMENSIONS IN INCHES

| | | | | | |
|------------------------------|-----|-----|-----|-----|-----|
| Model Number | 413 | 417 | 423 | 430 | 630 |
| Siphon Diameter (A) | 4" | 4" | 4" | 4" | 4" |
| Draw Down (B) | 13" | 17" | 23" | 30" | 30" |
| Minimum Discharge Rate / GPM | 100 | 100 | 100 | 100 | 350 |

Other siphons / special configurations available. Please call for more information.

Note: N.T.S.

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