



**ACO ENVIRONMENT**  
**Oleopator P Leaflet**

**Polyethylene Body Coalescing Oil-Water Separator**

## The ACO Group

Founded in 1946, the ACO Group manufactures products for the building and construction industry.

Today, ACO employs over 5,000 people world-wide and has sales and manufacturing operations in more than 40 countries.

ACO is the pioneer and world leader of modular trench drain systems. ACO drainage systems are used in a variety of applications from domestic environments to airports. ACO products have been used at many prestigious locations, including Olympic stadiums, since 1972.

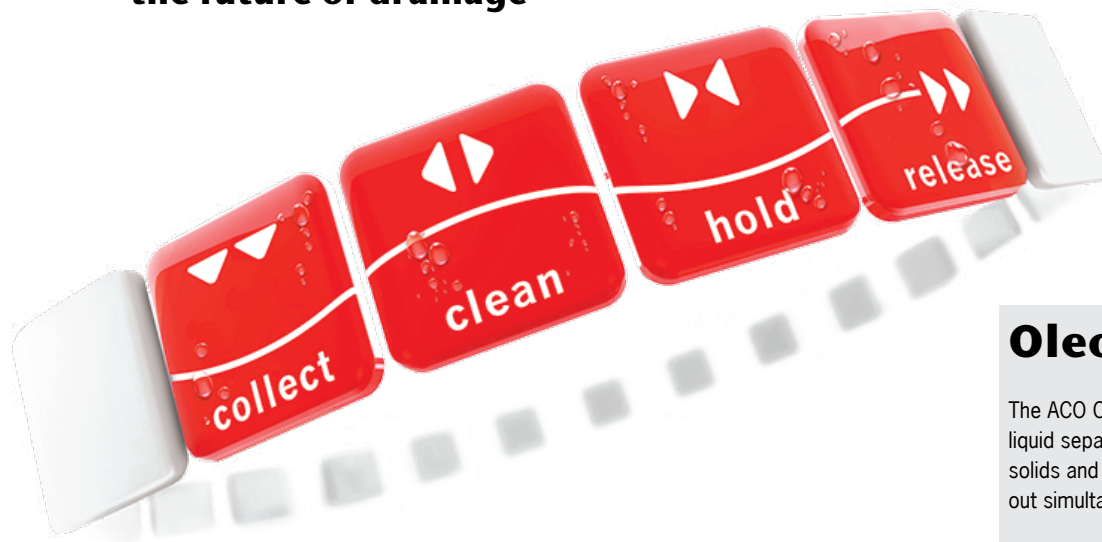


## ACO Environment

In a world where environmental pollution controls are becoming stricter, ACO has developed products to help businesses comply with these regulations. Products are designed with easy installation, operation and maintenance in mind to ensure full customer satisfaction.

ACO produces a range of light liquids and solids separators and spill containment systems manufactured from corrosion resistant polymer concrete, polyethylene and other materials.

**ACO. creating the future of drainage**



**System Chain**

ACO is a global leader in surface water management. With products to collect, clean, hold and release water, ACO addresses all phases of the water cycle and supporting sustainable drainage (SD, SUDS), Low Impact Development (LID) and LEED principles.



**Collect**

*Trench drains  
Catch basins*



**Clean**

*Oil/water  
separators*



**Hold**

*Detention/  
Retention devices*



**Release**

*Infiltration systems  
Flow control*

**Typical Applications**



Car wash



Service depot

**Installation**



**Oleopator P**

The ACO Oleopator P is a range of light liquid separators that allows suspended solids and hydrocarbons to be separated out simultaneously in one tank.

They are designed to achieve high performance at large flows in a compact polyethylene tank.

This process uses gravitation and coalescence principles to separate contaminated water into 3 components;

- Clean water
- Oils
- Sludge

All separators include, as standard features, coalescing units and automatic outlet closing devices for situations when maximum oil storage capacities are exceeded.

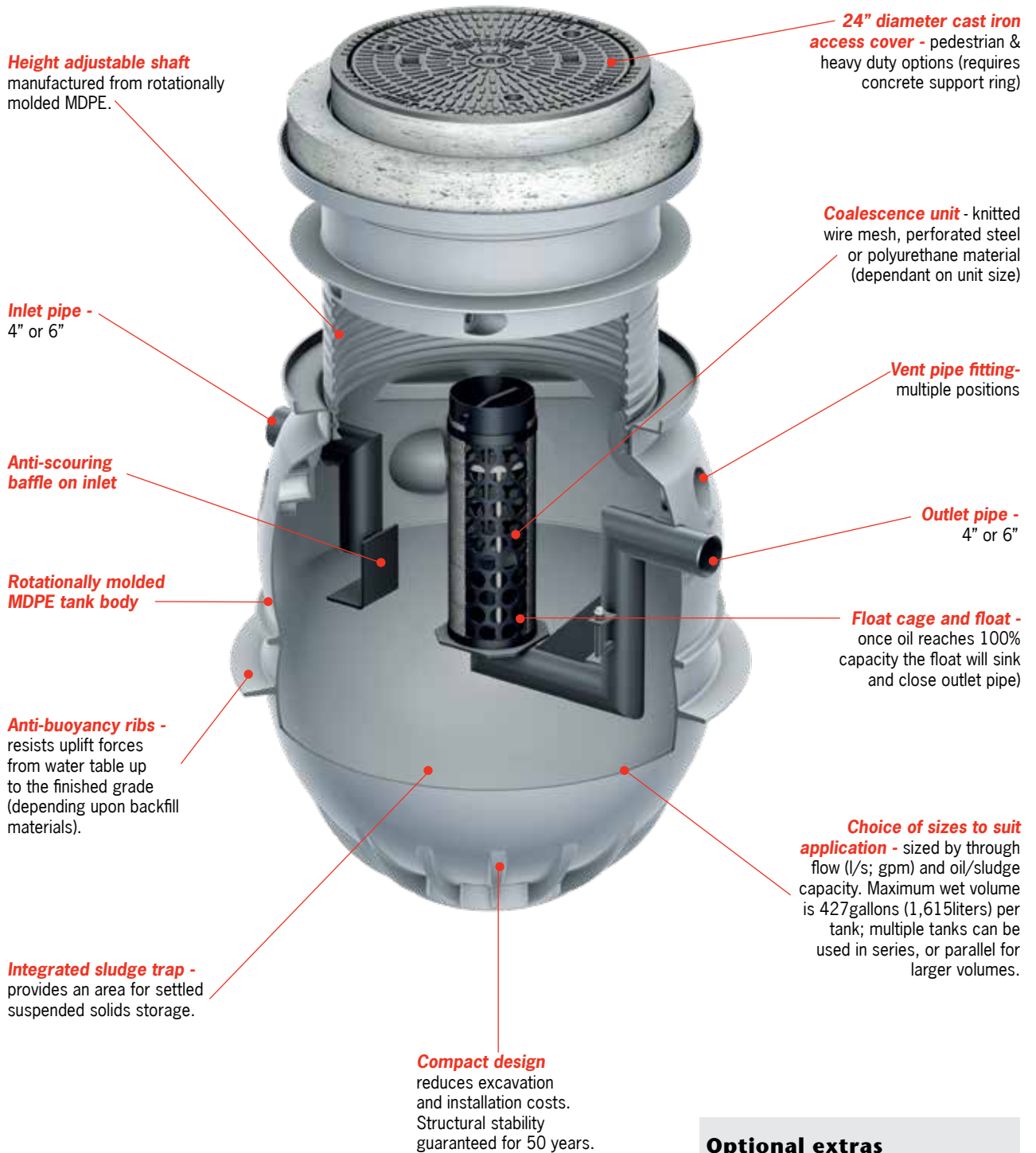
The ACO Oleopator P separators are designed and constructed to comply with EN 858 standards and are CE marked and independently tested for hydraulic performance and structural stability.

Alarm sensor systems are available to notify personnel when maintenance is required. Oil level sensors are required for compliance with UL 2215.

All tank units use a coalescing unit which traps oil drops that are too small to float to the surface and coalesces them together to form larger oil drops capable of being separated out. This coalescing unit consists of a cylindrical HDPE supporting basket, wrapped with a coalescence mat, centrally positioned around the float cage.

Capable of achieving effluent quality of 5 parts per million (ppm).

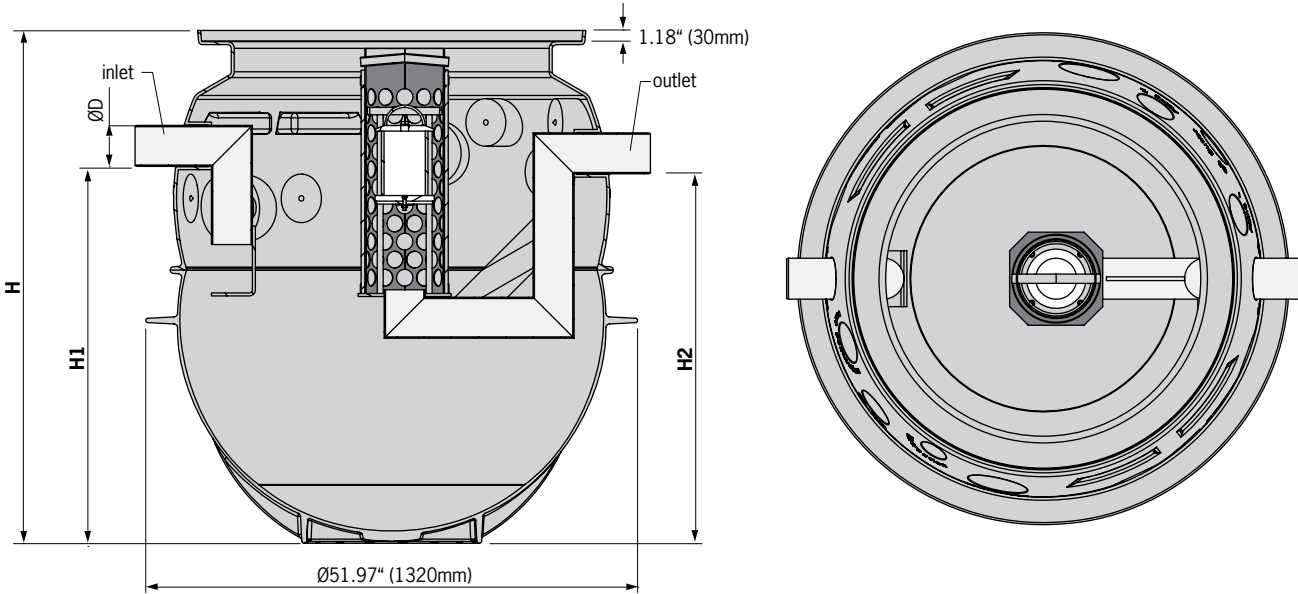
## Oleopator P Features



### Optional extras

- Alarm systems available for high liquid level, maximum oil and maximum solids storage capacities reached
- Remote emptying system
- HDPE sampling shaft

**Tank Details**

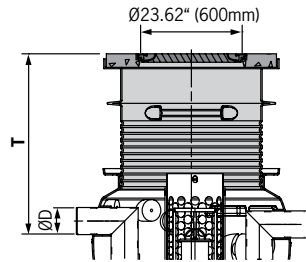


Model number	Maximum flow* gpm (L/s)	Pipes size D in (mm)	Volume solids trap gal (L)	Volume oil storage gal (L)	Total capacity gal (L)	H in (mm)	H1 in (mm)	H2 in (mm)	Wgt lbs	Part No.
NS3/450	50 (3)	4 (100)	119 (450)	64 (240)	205 (775)	54 (1,377)	40 (1,020)	39 (1,000)	147.4	3903.80.00
NS3/670	50 (3)	4 (100)	177 (670)	64 (240)	263 (995)	63 (1,594)	48 (1,230)	48 (1,210)	182.6	3913.80.00
NS3/950	50 (3)	4 (100)	251 (950)	64 (240)	339 (1,280)	74 (1,865)	59 (1,500)	58 (1,480)	184.8	3923.80.00
NS6/660	95 (6)	6 (150)	175 (660)	62 (235)	257 (970)	63 (1,594)	48 (1,210)	47 (1,190)	200.2	3906.80.00
NS6/1210	95 (6)	6 (150)	320 (1,210)	62 (235)	404 (1,525)	84 (2,129)	69 (1,740)	68 (1,720)	222.2	3916.80.00
NS10/1080	160 (10)	6 (150)	286 (1,080)	69 (260)	427 (1,615)	84 (2,129)	69 (1,740)	68 (1,720)	231.0	3910.80.00

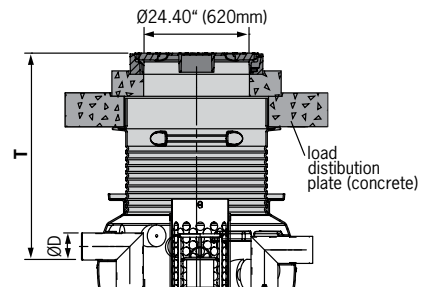
\* Maximum flow indicated is for optimum performance - under 0.00004173 lb/gal (5mg/L) hydrocarbons in effluent; higher flows can run through separator

**Cover & Extension**

**Shaft Details**



**Pedestrian duty cover**  
(shown with extension shaft)



**Heavy duty cover**  
(shown with extension shaft and load distribution plate - by others)

	NS3/ 450	NS3/ 670	NS3/ 950	NS6/ 660	NS6/ 1210	NS10/ 1080	Wgt lbs	Part No.
<b>Pedestrian duty</b>								
T in (mm)	16.5 (420)			17.3 (440)			319.0	3301.14.00
	28.7-40.6 (730-1030)			29.5-41.3 (750-1050)			374.0	3301.14.01
	28.7-59.4 (730-1510)			29.5-70.9 (750-1800)			424.6	3301.14.02
<b>Heavy duty</b>								
T in (mm)	34.0-69.7 (865-1770)	34.8-59.0 (885-1500)	34.8-73.2 (885-1860)			627.0	3301.17.00	

# Oleopator Accessories

## Alarms

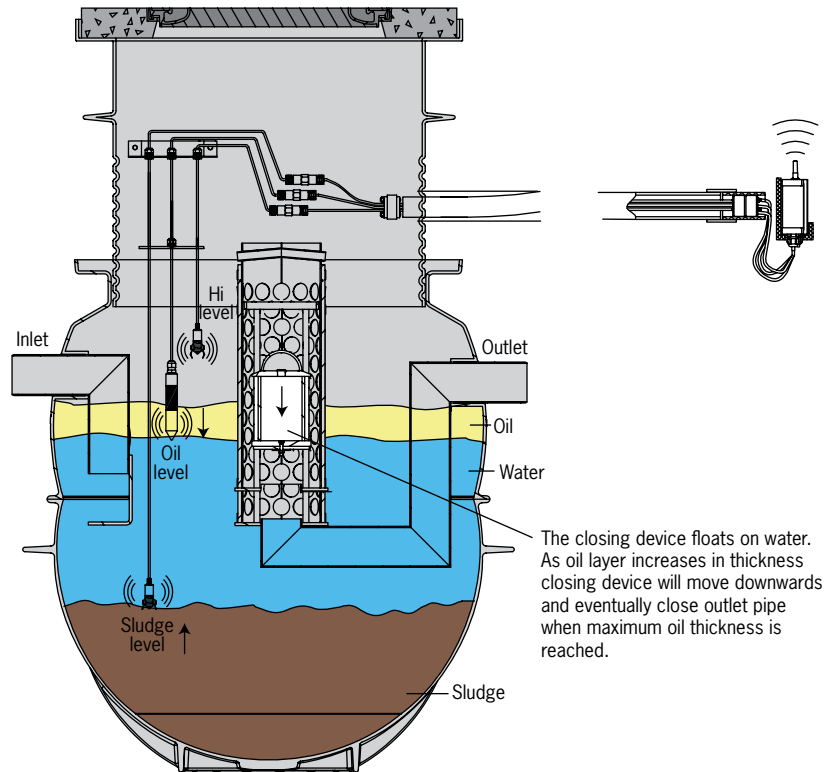
The optional alarm system makes separator operation even easier and ensures compliance with UL2215.

It does not replace the visual maintenance but ensures timely disposal of oil and/or sludge to guarantee correct operation of the system.

The sensors will alert when;

- Oil alarm - alerts when oil has reached 80% maximum capacity (once oil reaches 100% capacity the float will sink and close the outlet pipe). The oil level sensor is also able to identify if the tank has failed and liquids are leaking into the ground - it will alert if not submerged in liquid (ie - liquids are leaking out of tank)
- Sludge alarm - alerts when sludge has reached a specified capacity (recommend 50% maximum capacity). Excessive sludge will affect separator performance and immediate maintenance may be required
- Hi level alarm - alerts when liquids in the separator reach a specific level indicating that the outlet pipe is blocked

When any of these events occur a signal is sent to the central control panel or building management system, which can send out audio, visual and SMS alerts to ensure maintenance can be carried out before the separator system fails.



Description	Part No.	Weight lbs
ACO Oilset 1000 oil alarm (1 sensor)	<b>96078</b>	7.0
ACO Sandset 1000 sludge alarm (1 sensor)	<b>96079</b>	7.0
ACO Set-2000 high level/oil alarm (2 sensors)	<b>96080</b>	7.0



### Sample Shafts

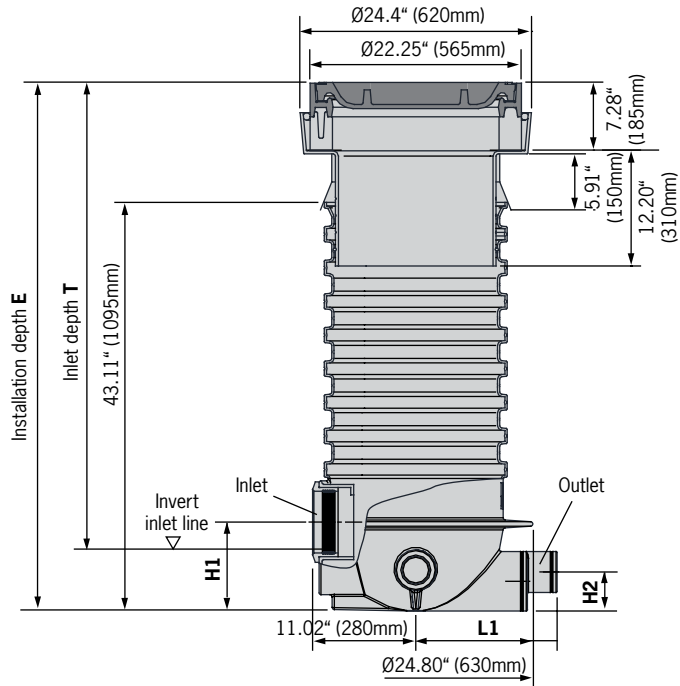
The ACO Oleopator P sampling unit offers a compact rotationally molded HDPE body with adjustable height access cover shaft.

As a sampling shaft it is positioned downstream from the separator and provides access to the discharge from the separator and allows water quality testing to be performed.

The unit can also be positioned upstream from the separator to act as an inspection chamber to provides access to the system inlet pipe.

**Class B** installations the Installation depth 'E' can be between 25.6" - 47.25" (650mm-1200mm). Inlet depth 'T' is 17.32" - 44.1" (440mm-1120mm).

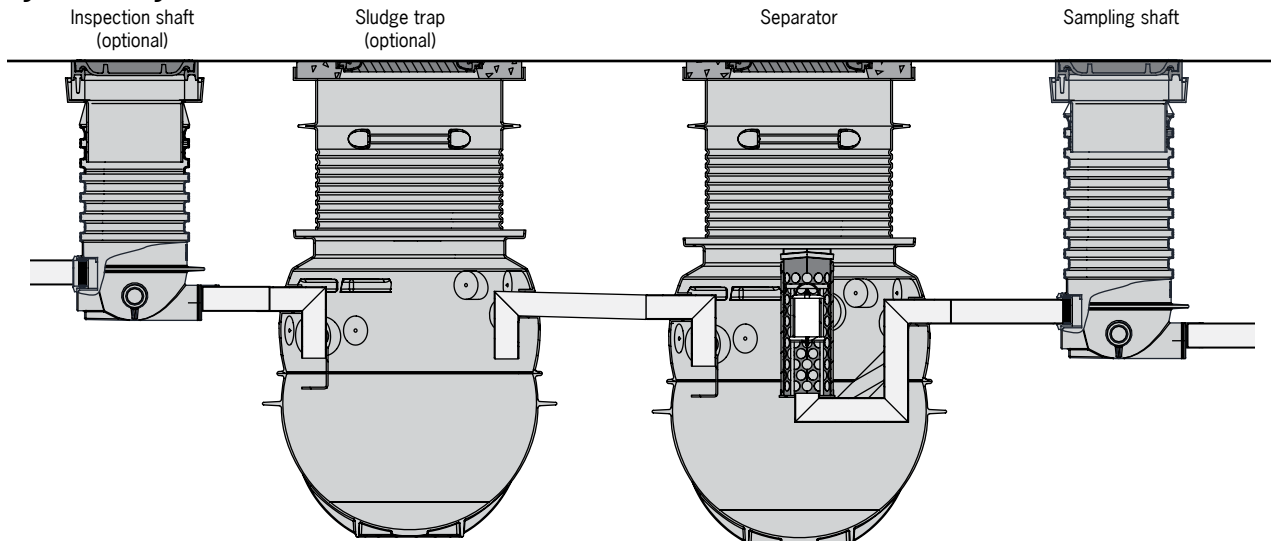
**Class D** installations the Installation depth 'E' can be between 29.5" - 59.0" (750mm-1500mm). Inlet depth 'T' is 21.25" - 55.9" (540mm-1420mm).



Description	Part No.	Wgt lbs	H1 in (mm)	H2 in (mm)	L1 in (mm)
Sampling chamber - 4" pipe 6.3" gradient (100mm pipe 160mm gradient)	3300.13.10	264.0	5.43 (138)	4.13 (105)	14.96 (380)
Sampling chamber - 4" pipe 1.2" gradient (100mm pipe 30mm gradient)	3300.13.11	264.0	10.16 (258)	4.13 (105)	14.96 (380)
Sampling chamber - 6" pipe 6.3" gradient (150mm pipe 160mm gradient)	3300.13.20	265.0	6.10 (155)	3.15 (80)	11.81 (300)
Sampling chamber - 6" pipe 1.2" gradient (150mm pipe 30mm gradient)	3300.13.21	265.0	9.41 (239)	3.15 (80)	11.81 (300)
Extension shaft - 4.0 - 25.6" (100mm - 650mm)	3300.13.00	25.0	-	-	-
Sampling equipment*	8800.00.10	5.5	-	-	-

\*Sampling equipment consisting of manual pump and suction coupling, connecting hose and suction coupling and bolt connection. Suitable for inlet invert maximum T = 118" (3,000 mm)

### System Layout



## Other ACO products

### External drainage

#### ACO Sport

Surface drainage and building accessories for track & field.

#### ACO Infrastructure

Surface drainage products engineered for highways, urban roads and bridges.

#### Aquaduct

Custom design and manufacture of fiberglass trench drain systems.

#### ACO Duct

Linear ducting system with removable solid covers.

#### ACO Environment

Oil water separators and spill containment systems.

#### ACO Wildlife

Tunnel and fence system to guide amphibians and other small creatures safely across roads.

#### ACO StormBrixx

A unique and patented plastic geocellular storm water management system.

#### ACO Self

Simple drainage and building components for use around the home, garden and office.

### Building drainage

#### ACO Stainless

Stainless steel trench drains.

#### ACO Floor Drain

Stainless steel floor drains.

#### ACO BuildLine

Drainage products for thresholds, balconies, green roofs and building façades.

#### ACO Pipe

Stainless steel push-fit pipe system.

#### ACO ShowerDrain

Shower drainage.

#### QuARTz

Designer bathroom floor solutions.

### ACO, Inc.

#### West Sales Office

825 W. Beechcraft St.  
Casa Grande, AZ 85122  
Tel: (520) 421-9988  
Toll Free: (888) 490-9552  
Fax: (520) 421-9899

#### Northeast Sales Office

9470 Pinecone Drive  
Mentor, OH 44060  
Tel: (440) 639-7230  
Toll Free: (800) 543-4764  
Fax: (440) 639-7235

#### Southeast Sales Office

4211 Pleasant Road  
Fort Mill, SC 29708  
Toll Free: (800) 543-4764  
Fax: (803) 802-1063

#### Electronic Contact:

info@acousa.com  
www.acoenvironment.us