



# Refinery and petrochemical industry installations

## Alfa Laval Wet Surface Air Coolers (WSAC®)

### Introduction

Alfa Laval Wet Surface Air Coolers (WSAC) are efficient closed-loop, evaporative cooling systems designed to help maximize your energy efficiency and support the transition to clean energy.

### Refinery and petrochemical installations

- **Altivia Petrochemicals, LLC**—Haverhill, OH  
Wastewater cooler (2022)
- **Chevron Oronite** (Oak Point)—Belle Chasse, LA  
Compressor cooler (2023)
- **ConocoPhillips**—(Lake Charles) Westlake, LA  
Wastewater cooler (2011)  
FCC slurry oil cooler (2010)
- **Phillips 66** (Lake Charles)—Westlake, LA  
Wastewater cooler (2014, 2023)  
Kero rundown cooler (2018)  
Bayway, NJ  
FCC gas oil cooler (2012)  
(Shell Oil)—Wood River, IL  
Lean solvent & quench water cooler (1998)  
Rodeo, CA  
Wastewater, multi-service (2022)
- **Enterprise**—(IBDH) Baytown, TX  
Multi service condenser and cooler (2018)  
(PDH2) Baytown, TX  
Multi service condenser and cooler (2021)
- **Esso Refinery**—Antwerp, Belgium  
Wastewater cooler (2015)
- **Evonic Cyro**—Sanford, ME  
Water cooler (2017)
- **ExxonMobil**  
Beaumont, TX  
Water cooler (2015)
- **ExxonMobil** (continued)  
Beaumont, TX  
Water cooler (2015)  
Baton Rouge, LA  
Sour water cooler (2013)  
Baytown, TX  
Sour water coolers (1995, 1999)
- **Marathon**  
Robinson, IL  
Wastewater cooler (2014)  
Detroit, MI  
Wastewater cooler (2014)  
St. Paul Park, MN  
Wastewater cooler (2010)  
Garyville, LA  
Wastewater cooler (2004)  
Catlettsburg, KY  
Wastewater cooler (2001)



- **Monument Chemical**—Houston, TX  
Ethanol cooler (2017, 2021)
- **Moose Jaw Refinery**—Moose Jaw, SK  
Heavy distillate cooler (2014)  
Light distillate cooler (2007)
- **Motiva**—Port Arthur, TX  
Water coolers (2002, 2007)
- **Navajo Refining**—Artesia, NM  
Wastewater cooler (2011)
- **Placid Refining**—Port Allen, LA  
Gasoline cooler (2012)  
Wastewater cooler (2008)
- **Saudi Aramco**—Shaybah, Saudi Arabia  
Water cooler (2007)
- **SAMREF**—Yanbu, Saudi Arabia  
Water cooler (2010)
- **Shell**—Deer Park, TX (Deer Park)  
Wastewater cooler (2017)
- **Silgan Plastics**—Deep River, CT  
Water cooler (2016)
- **Valero**  
Houston, TX  
Wastewater cooler (2014)  
(St. Charles)—Norco, LA  
Wastewater cooler (2012)  
Port Arthur, TX  
Wastewater cooler (2011)  
Corpus Christi, TX  
Wastewater cooler (2004)
- **WRB Refinery**—Roxana, IL  
Wastewater cooler (2017)



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