

# Model 539 Diffuser | AST & UST Models

SPECIFICATION SHEET

## Application

The diffuser is designed for installation at the bottom of a drop tube to reduce turbulence and vapor loss during the filling operation.

## Features and Details

- Low turbulence—The diffuser dramatically reduces product turbulence when filling a tank through an open tube. Less turbulence will save fuel through reduced vapors.
  - Rag catcher—The diffuser will catch foreign objects such as rags that can shut down the filling operation at the time of the occurrence. It will block a rag from entering the tank which will cut the flow down enough to alert the driver of the problem. This allows the situation to be corrected immediately and will prevent a more costly crisis later such as when a rag wraps around the submersible pump intake long after the driver has left.
  - No change to normal operations—With certain models, tank filling, manual sticking, water detection, and even cathodic protection can be accomplished without any change in procedure or routine. The diffuser will not restrict flow or cause any noticeable difference in filling.
  - Easy installation—The diffuser can be installed in minutes on the bottom of a new or existing drop tube or threaded pipe. It is well-suited to be incorporated into a routine tank maintenance and/or service program.
- **539AS, 539TC, and 539TO** are slip-on style
  - **539AT** is threaded style
  - **539EXT** is for extending short drop tubes
  - **539TC** has a telescoping closed bottom and strike plate
  - **539TO** has a telescoping open bottom

## Materials of Construction

- Body... aluminum or chromate conversion
- O-ring... PTFE encapsulated FKM (telescoping models)

## Certifications & Listings








CARB EVR Executive Order VR-402

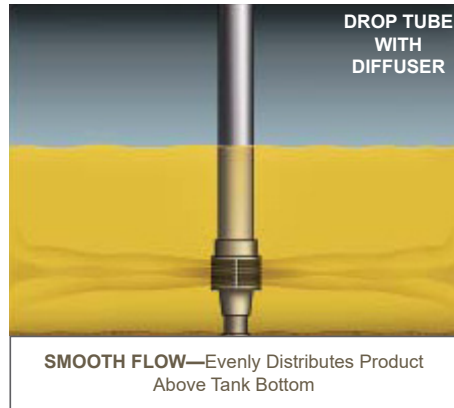
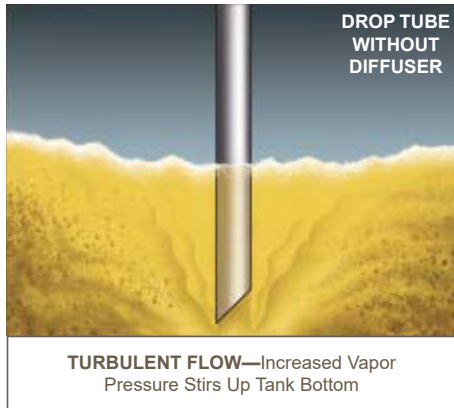
Item numbers & schematics on next page...



Scan to watch diffuser demonstration video



Item Number	Gauge Stick	Anodized	Cathodic Probe	Weight (lbs)
539AS-0200 AD	No	No	No	1.10
 539AS-0200ADEV	No	No	No	1.10
 539ASA0200ADEV	No	Yes	No	1.10
539AS-0300 AD	No	No	No	1.10
 539AS-0300ADEV	No	No	No	1.10
539AS-0400 AD	No	No	No	1.10
 539ASA0300ADEV	No	Yes	No	1.10
539AT-0200 AD	No	No	No	1.10
 539AT-0200ADEV	No	No	No	1.10
539AT-0300 AD	No	No	No	1.10
 539AT-0300ADEV	No	No	No	1.10
 539ATA0200ADEV	No	Yes	No	1.10
 539ATA0300ADEV	No	Yes	No	1.10
539EXTC0400 AD	Yes	No	No	3.80
539EXTO0400 AD	Yes	No	Yes	3.80
539TC-0400 AD	Yes	No	No	1.10
539TC-0400 ADA	Yes	Yes	No	1.10
539TO-0400 AD	Yes	No	Yes	1.90
539TO-0400 ADA	Yes	Yes	Yes	1.90



Patent 7302968

