



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
- **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



539TO
4" Telescopic Open



539TC
4" Telescopic Closed



539AT
2" Threaded Style



539AT
3" Threaded Style



539AS
4" Slip-on Style



Scan to watch diffuser
demonstration video

Item numbers & schematics on next page...



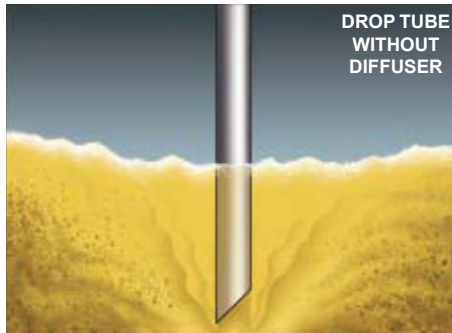
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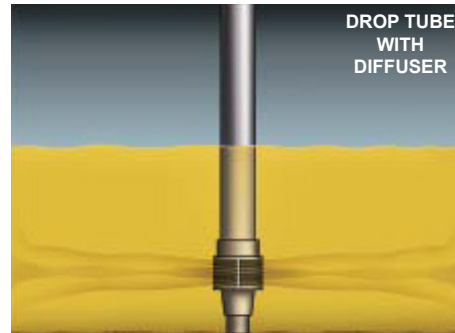
Model 539 Diffuser | AST & UST Models (continued)

SPECIFICATION SHEET

Item Number	Size	Gauge Stick	Passivated	Cathodic Probe	Weight (lbs)
539AS-0200 AD	2"	No	No	No	1.10
EVR 539AS-0200ADEVR	2"	No	No	No	1.10
EVR 539ASA0200ADEVR	2"	No	Yes	No	1.10
539AS-0300 AD	3"	No	No	No	1.10
EVR 539AS-0300ADEVR	3"	No	No	No	1.10
539AS-0400 AD	4"	No	No	No	1.10
EVR 539ASA0300ADEVR	3"	No	Yes	No	1.10
539AT-0200 AD	2"	No	No	No	1.10
EVR 539AT-0200ADEVR	2"	No	No	No	1.10
539AT-0300 AD	3"	No	No	No	1.10
EVR 539AT-0300ADEVR	3"	No	No	No	1.10
EVR 539ATA0200ADEVR	2"	No	Yes	No	1.10
EVR 539ATA0300ADEVR	3"	No	Yes	No	1.10
539TC-0400 AD	4"	Yes	No	No	1.10
539TC-0400 ADA	4"	Yes	Yes	No	1.10
539TO-0400 AD	4"	Yes	No	Yes	1.90
539TO-0400 ADA	4"	Yes	Yes	Yes	1.90



TURBULENT FLOW—Increased Vapor Pressure Stirs Up Tank Bottom



SMOOTH FLOW—Evenly Distributes Product Above Tank Bottom

Patent 7302968



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