

Morrison Bros. Co.

Fig. 539 Diffuser

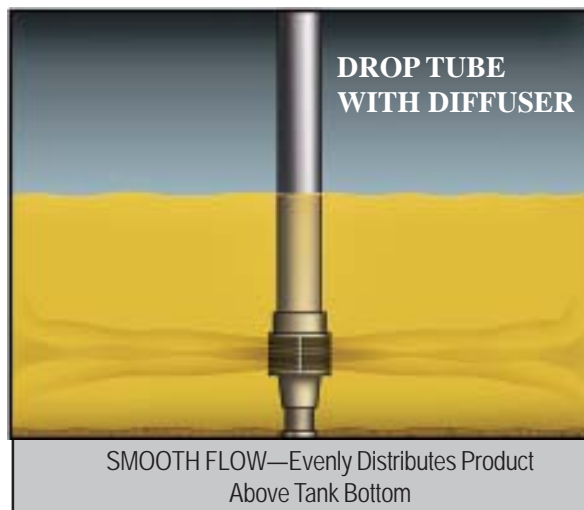
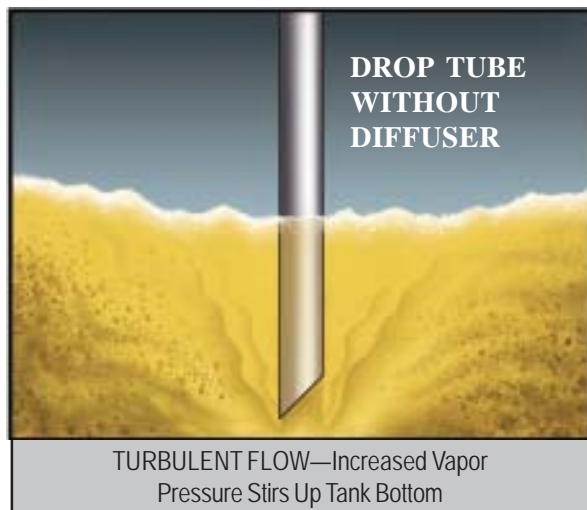
AST & UST Models

Save Money & Keep Your Fuel Clean With the Morrison Diffuser

Features & Benefits:

- **Low Turbulence**
The diffuser dramatically reduces product turbulence when filling a tank through an open tube. Less turbulence will save fuel through reduced vapors. If you are a million gallon station you could save over \$1000 dollars a year!

The diffuser will also minimize contamination and filter usage by directing the flow above any water and sediment that has settled on the tank bottom. Reduced turbulence in proximity to any tank leak monitor can also help prevent false alarms and unnecessary shut downs.
- **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**
Operate your life as normal—tank filling, manual sticking, water detection and even cathodic protection (with certain models) can be accomplished without any change in procedure or routine. The diffuser will not restrict flow or cause any noticeable difference in filling. Documented field testing on a typical 5000 gallon drop have not added more than two minutes to normal filling time, most models do not add any time.
- **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. Ask about program pricing through blanket orders and scheduled deliveries.
- **Variety of Models**
With the help of a Morrison Representative, select the right diffuser for your tank from a variety of styles and sizes for UST, AST or E-85 applications and let the cost savings begin.



Patent 7302968

4" Open Telescopic Diffuser



	YES	NO
Gauge Stick	X	
Cathodic Probe	X	
Maximum Flow	X	
Bottom Strike Plate		X
539TO-0400 AD	Slip-On	
539TO-0400 ADA	E-85	

Additional Information:

Diffuser o-ring rests on the bottom of the tank. Open port in diffuser will allow gauge stick to reach tank bottom.

2" Diffuser



	YES	NO
Gauge Stick		X
Cathodic Probe		X
Maximum Flow	X	
Tank Bottom Protection	X	
539AS-0200 AD	Slip-On	
539AT-0200	Threaded	
539ATB0200 AD	BSP Threaded	

Additional Information:

Diffuser is suspended above tank bottom. Threaded or slip styles are available.

4" Closed Telescopic Diffuser



	YES	NO
Gauge Stick	X	
Cathodic Probe		X
Maximum Flow	X	
Bottom Strike Plate	X	
539TC-0400 AD	Slip-On	
539TC-0400 ADA	E-85	

Additional Information:

Diffuser o-ring rests on the bottom of the tank. Stick gauge will come to rest on diffuser strike plate 1/4" off tank bottom.

3" Diffuser



	YES	NO
Gauge Stick		X
Cathodic Probe		X
Maximum Flow	X	
Tank Bottom Protection	X	
539AS-0300 AD	Slip-On	
539AT-0300 AD	Threaded	
539ATB0300 AD	BSP Threaded	

Additional Information:

Diffuser is suspended above tank bottom. Threaded or slip styles are available.

Extended 4" Diffuser



The extended diffuser is a drop tube extension with a Morrison Diffuser attached. If the tube is too short to meet code, purchase the extended diffuser instead of replacing the tube. This diffuser provides an additional 12" of length to the drop tube.

539EXT0400AD	Same Specs as 539TO
539EXTC400 AD	Same Specs as 539TC

4" Diffuser



	YES	NO
Gauge Stick		X
Cathodic Probe		X
Maximum Flow	X	
Tank Bottom Protection	X	
539AS0400 AD	Slip-On	

Additional Information:

Diffuser is suspended above tank bottom. Slip styles are available.