



NO-DES INC.

Neutral Output Discharge Elimination System

Municipal Water Main Cleaning, Flushing,
Filtering and Conservation Technology



LEADING BY EXAMPLE IN WATER CONSERVATION

www.no-des.com

THE NO-DES SYSTEM

Neutral Output Discharge Elimination System

The only water distribution system flushing method that improves water quality, eliminates NPDES issues, conserves water, energy and will pay for itself. This will increase customer confidence and establish you as a leader in the industry. The NO-DES method and process for flushing water distribution systems uses proven technology in an entirely new way. In doing so, NO-DES effectively eliminates the wasting of our most valuable and precious resource – water. Additionally, NPDES issues disappear and flushing costs are reduced! Instead of water flowing out of the fire hydrants and running to waste while your customers watch in horror and anger – the NO-DES unit filters and re-circulates the water inside the water distribution system to allow year round flushing without wasting precious distribution drinking water when doing so.



The Answer to Your Water Distribution System Flushing and Conservation Needs

The standard NO-DES unit can operate at up to 1700 gpm, based on the size of the hydrant port, maximum output, length of hose and main being flushed. This makes it possible to flush mains up to 14" in diameter at 3 ft./sec/ velocity and 12" mains at the typically desired 5 ft./sec/ velocity. The NO-DES unit utilizes two filter vessels containing 12 filter bags each rated at 1 micron "absolute." With these 24 filters, the NO-DES patented system allows you to capture and contain bio-films and contaminants. At the end of a NO-DES flush, you are left with polished water, now below 1 NTU of turbidity, in your system while virtually eliminating water loss.

We offer two basic truck models in either diesel or CNG, rated at 200 or 275 psi max

HOW THE NO-DES SYSTEM WORKS

The NO-DES Method is Simple and Efficient

1

EASY SET UP

A NO-DES unit with an onboard filtering system parks between two fire hydrants in a neighborhood where flushing is to be performed.

2

CONNECT

Operators run a 5 inch diameter hose from one hydrant to the NO-DES truck inlet. They then run another hose from the NO-DES outlet to the second hydrant.

3

CREATE "LOOP"

Both fire hydrants are opened, filling the hoses and filters. This creates a temporary above ground loop in the water distribution system.

4

CIRCULATE

A large pump on the NO-DES unit then circulates water through the loop at the desired flushing velocity, typically 3-5 feet per second, scouring inside the water main.

5

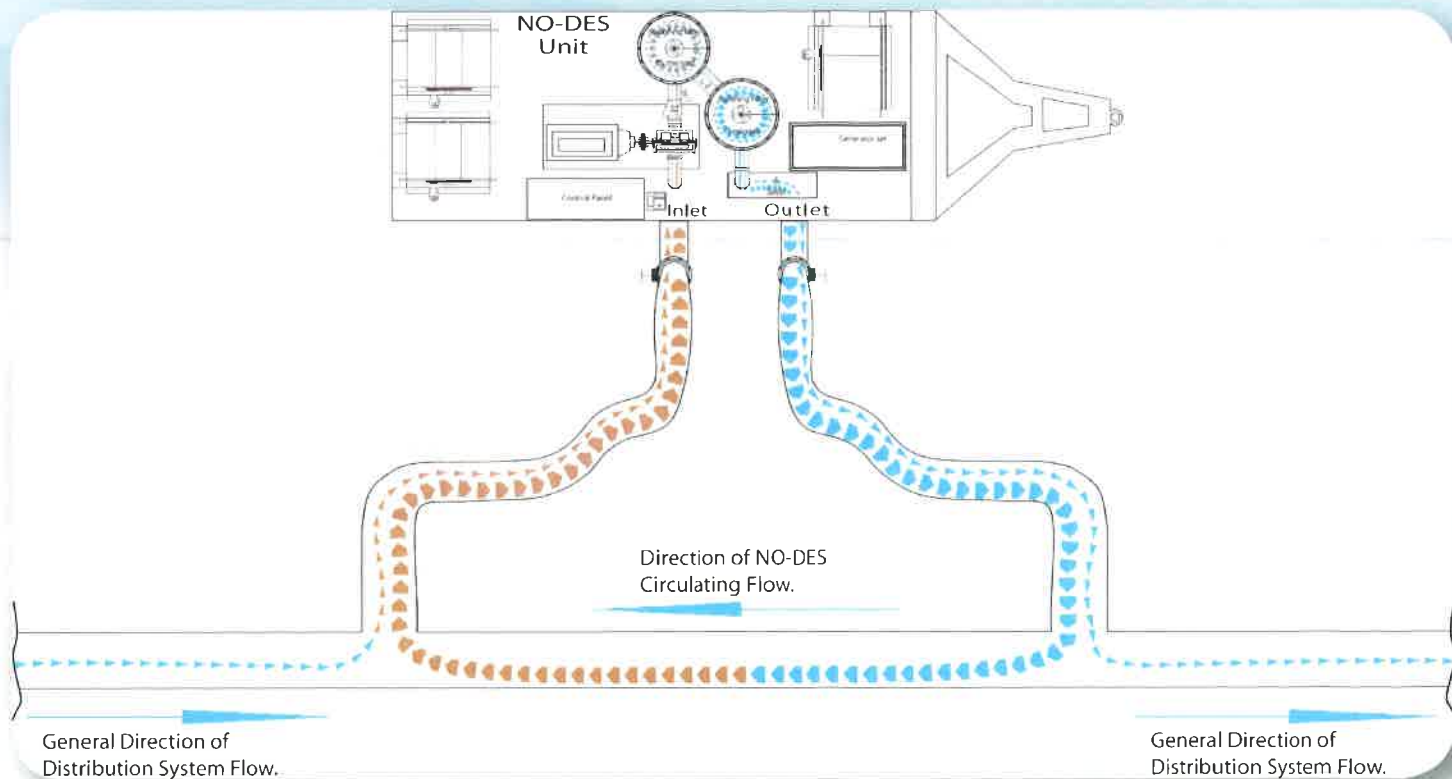
FILTER & PURIFY

Essentially all particulate matter is removed as the water passes through the NO-DES 1 micron absolute filtration process. If needed, a small amount of chlorine can be added to boost residual during the process.

6

SHUT DOWN

When the entire section of water main in the targeted flush zone has been filtered clean and all turbidity meters read below 1 NTU, the system is then shut down, hydrants are closed and hoses removed.



CLEANING WATER MAINS WITHOUT WASTING WATER



CHRIS WILKINSON
PRESIDENT

-  (971)-319-5364
-  (559) 799-8415
-  www.no-des.com
-  wilkinson@no-des.com

