

Greyline DFS 5.1

Pump protection. High- or low-flow control. Overfill alarm. Bargraph flow rate indication.

Clamp-On Flow Sensor Installs Without Cutting the Pipe

Installs in Minutes with No Moving Parts

Mount the DFS 5.1 Doppler Flow Switch ultrasonic sensor on the outside of metal or plastic pipes. The sensor continuously injects high-frequency sound through the pipe wall and into the moving fluid where acoustic pulses are reflected to the sensor from particles or bubbles in the fluid.

Ideal for “Difficult” Liquids— No Contact, No Maintenance

Flow rates of most liquids can be accurately controlled including acids, caustics, lubrication fluids, chemicals, abrasives, wastewater, and sludge. There are no moving parts and no sensor maintenance is required.

Easy Calibration

Installation can be made while the flow system is in full operation. No contact is made with the moving fluid and no holes are drilled in the pipe. There is no fouling or scale build-up on the sensor.

No Pipe Cutting. No Pressure Drop. No Sensor Fouling. No Maintenance!

It takes just a few minutes to install and calibrate a Greyline DFS 5.1 Doppler Flow Switch. The DFS 5.1 controls flow of most liquids in closed pipes. The ultrasonic sensor mounts on the outside of any pipe from 12.7mm to 4.6 m (0.5 in to 15ft) I.D.



THE RIGHT METER FOR

- Treated Water
- Raw Sewage
- Viscous Liquids
- Acids
- Food Products
- Oils & Paint
- Sludge & Slurries
- Solvents & Chemicals
- Pulp Stock
- Aerated Water
- Cooling Water

Easy to Calibrate

The DFS 5.1 control relay can be set to turn ON and OFF at any flow rate between 80 mm/s to 3 m/s (3.1 in/s to 9.8 ft/s). Insert two links for separate ON/OFF set points or just one link for a Hi or Lo flow alarm. Set relay actuation time delay from 0 to 80 seconds.