Flow Monitoring Selection Guide

Helping you choose the right solution for your application.
Right data. Right results. Right now.

Hach’s flow monitoring products and services empower you with the accurate and timely wastewater or river/stream flow data you need to make confident flow management decisions in every application — collection system, treatment plant, industrial, or environmental. Through our legacy brands Sigma and Marsh-McBirney, Hach has a proven track record of creating industry-leading innovations in open-channel wastewater flow measurement. From state-of-the-art wireless data loggers and industry-pioneering non-contact flow sensors, as well as groundbreaking Data Delivery Services (DDS), Hach is committed to providing convenient and flexible solutions to efficiently deliver good flow data.
Solutions Overview

When it comes to collecting good flow data, there are three primary approaches and each has its advantages, depending on your organizational structure and resources. The following material is designed to help you determine the best approach for your own needs. We break them down into three primary categories: 1) Services; 2) Equipment; and 3) Rentals. Of course, should you have any questions, your local Hach flow representative is standing by to help determine the best solution for your specific requirements.

1. Data Delivery Services (DDS)

Data Delivery Services are not your grandfather’s flow monitoring services. Using modern technology and upgraded intelligence, DDS is built for the 21st century to capture data more accurately, consistently, cost effectively and conveniently than possible using the traditional monitoring approach. For those that want good flow data but not the challenges and risk associated with managing labor, purchasing and maintaining equipment, and organizing the data, we offer the new generation of flow monitoring services — DDS.

Learn more about our service solution on page 4

2. Flow Monitoring Equipment

Good flow data comes from great equipment. Hach’s full line of sensors, loggers and monitoring systems provide you with the perfect foundation to capture excellent data in just about every open-channel application. If your monitoring need lies in a collection system, at a treatment plant, in an industrial wastewater location, or in a natural environment like a river or stream, Hach has a solution for you.

View our monitoring systems on page 5

3. Equipment Rentals

If your organization has the resources to manage installations, maintenance, and data collection, we also offer equipment rentals. Receive the most state-of-the-art equipment on the market for whatever length of time you need to collect the data you’re looking for. And to make collecting data even easier, we offer wireless equipment for rent as well.

View our rental offerings on page 31
Data Delivery Services

The process of collecting good flow data is a challenging path, full of pitfalls and potentially costly mistakes. From purchasing the correct equipment and tools for your needs to managing labor and the constant cycle of meter maintenance, there are plenty of frustration points. This is exactly why we offer flow monitoring services — to take that hassle from your plate and give you time to use good data to smartly guide your improvement projects. We call our flow monitoring services Data Delivery Services (DDS) because, when you boil it down, that’s really what you want — accurate flow data simply delivered to you in a timely, hassle-free manner. And DDS is the path of least resistance to acquire that data.

DDS is a highly efficient flow monitoring service tailored to deliver the right data, right when you need it, so you can deliver the right results. For a fixed monthly fee, Hach provides all of the equipment, data transmission, and technical support you need to acquire your flow data — delivered in real-time so you can immediately perform your analysis. Hach even manages all equipment installation, monitoring and maintenance, removing that aggravation from your workload. This all means you can stop losing time to the constant struggle of securing reliable flow data and instead devote your efforts to implementing projects that finally solve your wastewater flow challenges.

Click here to download a comprehensive DDS brochure »
Flow Monitoring Equipment

Good flow data starts with great flow meters

Acquiring good flow data doesn’t happen by chance, especially when you’re dealing with the harsh environment of wastewater. Instead, good flow data acquisition comes after years of experience carefully crafting intelligent, rugged and innovative sensors and meters. But we don’t stop at just delivering highly-accurate data you can be confident in. We have also pushed flow monitoring to a whole new level of ease and simplicity. Our non-contact sensors, designed to work above the flow, have changed the industry by dramatically reducing the likelihood of sensor fouling and significantly increasing equipment life-span. And our loggers, equipped with state-of-the-art wireless telemetry, have reduced site visits even further, making them only “as necessary” instead of as a costly matter of course.

Importantly, our equipment is designed to allow you to confidently collect accurate flow data in almost every application. The following illustrations indicate ideal monitoring locations based on common flow data needs in four environments:

1. Collection systems (p.6): Represents sanitary, storm water and combined systems

2. Wastewater treatment plants (p.7)

3. Industrial wastewater locations (p.8)

4. Environmental flows (p.9)

Each need is accompanied by monitoring system solutions that are typically appropriate in that location. In-depth information on each monitoring system can be found in the section after the illustrations.

Of course, each location and need is unique, which is why our Sales Representatives take the time to understand your specific monitoring scenario and will recommend a solution that is right for you. To have a representative contact you, simply fill out an Information Request form found at: hachflow.com/contact
Common monitoring locations

**Collection Systems**
Sanitary, Stormwater, or Combined

**Need:** Low-Cost Level Alarming  
**Typical Solution:**  
• Level-Alarming Network Extension

**Need:** Process Control  
**Typical Solutions:**  
• Control Pumps  
• Lift Stations  
• Gates  

**Typical Solutions:**  
• Ultrasonic Level System  
• Ultrasonic Process Controller w/ Ultrasonic Level

**Need:** I/I Detection  
**Typical Solutions:**  
• Non-Contact System  
• Submerged AV System  
• Rain Gauge Network Extension

**Need:** Water Quality Analysis  
**Typical Solution:**  
• Sampling System

**Need:** On-Site Flow Verification  
**Typical Solution:**  
• FH950 Handheld Flow Meter

**Need:** Environmental Protection  
**Typical Solutions:**  
• SSO/CSO abatement  
• Regulatory reporting

**Typical Solutions:**  
• Non-Contact System  
• Submerged AV System  
• Redundant-Level System

**Need:** Monitoring with a Hydraulic Structure  
**Typical Solutions:**  
• Ultrasonic Level System  
• Universal Process Controller w/ Ultrasonic Level

**Need:** Storm Water/Point Source Monitoring  
**Typical Solutions:**  
• Sampling System  
• Stationary Submerged AV System w/ Bubbler

**Need:** Infrastructure Design & Management  
**Typical Solutions:**  
• Capacity planning  
• Maintenance planning

**Typical Solutions:**  
• Non-Contact System  
• Submerged AV System

**Need:** Billing  
**Typical Solutions:**  
• Non-Contact System  
• Submerged AV System  
• Redundant-Level System
Wastewater Treatment Plants

Need: Environmental Protection
  • Regulatory Reporting
  • CSO-Related Bypass

Typical Solutions:
  • Stationary Monitoring System
    Sensors available:
    - Non-contact
    - Submerged AV
    - Bubbler
    - pH Sensor

Need: Monitoring with a Hydraulic Structure

Typical Solutions:
  • Universal Process Controller
    w/ Ultrasonic Sensor
  • Ultrasonic Level System

Need: Billing

Typical Solutions:
  • Stationary Monitoring System
    Sensors available:
    - Non-contact
    - Submerged AV
    - Bubbler

Need: Process Control
  • De-nitrification

Typical Solutions:
  • Stationary Monitoring System
    Sensors available:
    - Non-contact
    - Submerged AV
    - Bubbler

Need: Effluent Trending

Typical Solutions:
  • Stationary Monitoring System
    Sensors available:
    - Non-contact
    - Submerged AV
    - Bubbler
    - pH Sensor

Need: Influent Trending

Typical Solutions:
  • Stationary Monitoring System
    Sensors available:
    - Non-contact
    - Submerged AV
    - Bubbler

Need: Water Quality Analysis

Typical Solution:
  • Sampling System

Need: Monitoring w/ a Hydraulic Structure

Typical Solutions:
  • Ultrasonic Level System
  • Universal Process Controller w/ Ultrasonic Sensor

Need: Water Quality

Typical Solution:
  • Sampling System

Common monitoring locations

Advanced Treatment

Solids Dewatering

Influent Flume

Headworks

Bypass

Flume
Common monitoring locations

**Industrial Wastewater**

**Need: Process Control**
**Typical Solutions:**
- Stationary Monitoring System
  - Sensors available:
    - Non-contact
    - Submerged AV
    - Bubbler
    - pH Sensor

**Need: Effluent Trending**
**Typical Solutions:**
- Stationary Monitoring System
  - Sensors available:
    - Non-contact
    - Submerged AV
    - Bubbler
    - pH Sensor

**Need: Environmental Protection**
**Typical Solutions:**
- Stationary Monitoring System
  - Sensors available:
    - Non-contact
    - Submerged AV
    - Bubbler
    - pH Sensor

**Need: Water Quality Analysis**
**Typical Solution:**
- Sampling System

**Need: Influent Monitoring**
**Typical Solutions:**
- Cooling water
- Raw intake water

**Need: Environmental Protection**
**Typical Solutions:**
- Stationary Monitoring System
  - Sensors available:
    - Non-contact
    - Submerged AV
    - Bubbler
    - pH Sensor
COMMON MONITORING LOCATIONS

Environmental

Need: Irrigation Monitoring
- Water rights management
- Canal monitoring

Typical Solutions:
- Non-Contact System
- Submerged AV System
  - Sub AV Sensor
  - FLO-TOTE 3 in very clean water

Need: River/Stream Profiling
- Flood risk mitigation
- Water shed monitoring
- Habitat monitoring
- Research

Typical Solution:
- FH950 Handheld Flow Meter

Need: Monitoring w/a Hydraulic Structure

Typical Solutions:
- Ultrasonic Level System
- Universal Process Controller w/ Ultrasonic Sensor
- Stationary Monitoring System
  Sensors available:
  - Non-contact
  - Submerged AV
  - Bubbler
  - pH Sensor

Irrigation Canal

Flume
Flow Monitoring Systems

Page 11  Non-Contact Monitoring System*

Page 13  Submerged AV Monitoring System*
- Submerged AV Sensor
- FLO-TOTE 3 AV Sensor

Page 15  Ultrasonic Level Monitoring Systems*
- Downlooking
- In-pipe

Page 17  Stationary Monitoring System

Page 19  Universal Process Controller w/ Ultrasonic Level

Page 21  Redundant Level Monitoring System*

Page 23  Rain Gauge Network Extension*

Page 25  Level-Alarming Network Extension*

Page 27  Handheld Flow Meter

Page 29  Sampling System

* Available with wireless data transmission capabilities
Non-Contact Monitoring System

Our most universal monitoring solution, the Hach Non-Contact Monitoring System combines a Hach FL900 Series Flow Logger with a non-contact FLO-DAR AV Sensor to capture flow data with a high-level of accuracy, dramatically reducing required maintenance and significantly limiting the risk of lost data due to sensor downtime. And while all these factors mean less cost and hassle, by selecting a wireless logger you can also see your data, in real-time, from anywhere. This is efficiency and convenience at its best.

Non-Contact technology reduces sensor fouling

- Reduces likelihood of bad data
- Decreases prospect of data gaps
- Increases lifespan of equipment
- Diminishes required site visits for maintenance
- Eliminates confined space entries after install
- Ensures data collection even if sensor becomes submerged

Wireless-enabled logger improves efficiency

- Eliminates site visits for data collection
- Enables real-time data viewing from anywhere
- Powers alarming capabilities
- Provides visibility into meter health, including battery life

System Components:
(Click component to view datasheet)

- Hach FL900 Series Flow Logger
- FLO-DAR AV Sensor

Case studies

- Case Study A
- Case Study B
Non-Contact Monitoring System

Application illustrations

FLO-DAR
Doppler radar captures velocity and ultrasonic measures level

Surcharge Velocity Sensor
Electromagnetic technology and a pressure transducer capture data during surcharge scenario

Wireless Logger
View data in real-time from anywhere
Submerged AV Monitoring System

“Quieter. Smoother. Cleaner. Precise.” These are words customers use to describe the flow data they obtain with the advanced Hach Submerged AV Monitoring System. The technical improvements developed during a multi-year design process (one patent issued and two more pending) allow Hach’s latest-generation area-velocity system to deliver better flow data than ever before.

Innovative measurement algorithms improve data quality, reducing the “pops & drops” inherent in old meters and making data plots easier to read. This is accomplished without degrading system response to sudden flow events. Improvements in sensor sensitivity and range permit successful use in higher and lower flow velocities, as well as in cleaner water. By starting with the best submerged pressure transducer on the market, and adding multi-point digital curvature compensation, we’ve produced a level sensor with better linearity and lower thermal drift.

Lastly, within the system’s accompanying AV9000 Analyzer Module, we’ve built in highly advanced diagnostic features so you can tune your readings more finely than ever before. Where other systems manipulate the data after the fact, this system collects more precise data right from the source. It’s this attention-to-detail that has earned the Hach Submerged AV Monitoring System the respect it deserves.

High-technology ensures accurate data
- Fully symmetric multi-scale spectral analysis (pat. pend.) improves velocity measurement quality
- Advanced diagnostics allow verification of meter performance onsite or wirelessly
- Intuitive graphical “wizards” guide set-up and calibration, simplifying installation

Wireless-enabled logger improves efficiency
- Eliminates site visits for data collection
- Enables real-time data viewing from anywhere
- Powers alarming capabilities
- Provides visibility into meter health, including battery life
- Provides dynamic logging intervals to automatically enable higher resolution flow data delivery during high flow periods and battery/data volume conservation during low-flow seasons

System Components:
(Click component to view datasheet)
- Hach FL900 Series Flow Logger
- Hach AV900 Analyzer Module
- Hach Submerged AV Sensor or
- FLO-TOTE 3 Submerged AV Sensor: Ideal for very clean water or in low velocity or level scenarios

Case studies
- Case Study A
- Case Study B
Submerged AV Monitoring System

Application illustrations

System installation
Works in a wide range of applications

Multiple technologies
Uses ultrasonic Doppler technology to measure velocity and a pressure transducer to measure level.
Ultrasonic Level Monitoring System

Hach’s ultrasonic sensor options provide independent level measuring in a wide variety of applications. Bundled with a Hach FL900 Series Flow Logger, these state-of-the-art ultrasonic sensors are excellent non-contact solutions for level measurement, especially when used in combination with a flume or weir. As with other monitoring systems, the logger can be wireless-enabled to allow for real-time data viewing and level-alarming.

Two sensor options are available — the US9001 Down-Looking sensor and the US9003 In-Pipe sensor. The down-looking sensor is often used with a hydraulic structure to determine flow, including weirs, flumes and configurable level-area and head-flow tables. The in-pipe sensor is configured to eliminate inherent ultrasonic deadband and provide accurate measurements in near-full pipe conditions.

Low-cost, flexible monitoring solution
- Economical monitoring option
- Solutions for more level-monitoring applications

All the benefits of non-contact sensors and wireless data transmission
- Low maintenance
- Long battery life
- Real-time data viewing
- Level-alarming capabilities

See also Universal Process Controller with Ultrasonic Level Sensor on Pages 17-18 »

System components:
(Click component to view datasheet)
- Hach FL900 Series Flow Logger
- Hach US9001 Down-Looking Ultrasonic Sensor or US9003 In-Pipe Ultrasonic Sensor
Ultrasonic Level Monitoring System

Application illustrations

Flume monitoring
Ideal over a flume

Weir monitoring
Excellent level monitoring with a weir

Tight spaces
The in-pipe sensor is a perfect level solution in tight open-channels.
Stationary Monitoring System

If you need maximum flexibility, the FL1500 may be just what you’re looking for. Combining sensor options previously available on the Sigma 950 or Marsh McBirney FLO-STATION, the FL1500 can connect to the full suite of flow sensor options. This versatile multi-channel logger can be used with radar, electromagnetic, Doppler, differential pressure, ultrasonic, and bubble level sensor technologies. It can handle up to four independent flow sensors and pairs with peripheral equipment such as a rain gauge, pH sensor, auto sampler, and electromechanical totalizer.

Have confidence in your flow data
• Sensor calibration prompts with step-by-step guidance reduce likelihood of errors
• USB connectivity for quick data transfer
• Features FSDATA Desktop software (free download from hach.com) for easy data review

Accurate operation made easy
• Large color screen display with scrolling menus
• Intuitive interface, LED status indicators
• Digital and analog inputs and outputs are standard
• Fits within a compact footprint (11”w x 5”d x 9”h)
• Compatible with the Hach BL9000 Bubble Level Sensor for reliable level measurements in challenging environments

System components:
(Click component to view datasheet)
» FL1500 Flow Monitor
» FLO-DAR AV Sensor
» Hach Submerged AV Sensor
» Hach US9000 Series Ultrasonic Sensors
» Hach BL9000 Bubble Level Sensor
» FLO-TOTE 3 AV Sensor
» Rain Gauge
» Hach Digital Differential pH Sensor
» Hach AS950 Automatic Sampler
» Electromechanical Totalizer
Stationary Monitoring System

Application illustrations

Non-Contact system installation at plant influent
Non-contact flow monitoring with permanent power source.

Stationary submerged system installation at plant influent
Submerged flow monitoring with permanent power source.
Universal Process Controller with Ultrasonic Level

A universal process controller, equipped with one or two ultrasonic level sensors, allows you to economically and intelligently measure level and, as needed, control your processes — in the plant, collection system, or any location with a hydraulic structure. Whether that means timing the frequency of bar screen cleanings, measuring influent or effluent, fulfilling NPDES permitting requirements, or dozens of other possible uses, this system is an excellent budget-sensitive-yet-highly-flexible solution.

Intelligent process control
- Automate your systems based on level
- Two 0/4–20 mA outputs

Low-cost level measurement
- Budget-friendly influent/effluent monitoring solution
- Built-in library of weir and flume types
- Easy-to-read digital display
- SD card data transfer

System components:
(Click component to view datasheet)
» Hach sc200 Universal Controller with Ultrasonic Level Sensor

CASE STUDIES
» Case Study A
Universal Process Controller with Ultrasonic Level

Application illustrations

Over flume or weir
Low-cost level monitoring solution

2 sensor system installation around bar screen
Automate bar screen cleanings based on level in open-channels
Redundant Level Monitoring System

Every data point is crucial, especially during short-term flow studies or in overflow monitoring or billing scenarios. Missing data for any length of time, or collecting data of suspicious validity, is simply unacceptable. That’s why many organizations utilize the Hach Redundant-Level Monitoring System. By partnering the Hach Submerged AV Monitoring System with a secondary Hach US9003 In-Pipe Ultrasonic Sensor, we create a highly accurate redundant level monitoring solution. In this configuration, level is captured by both a pressure transducer in the Sub AV sensor and with ultrasonic technology in the in-pipe sensor, limiting your risk of missed data or inaccurate data.

Don’t miss a single data point
- Protect yourself from sensor fouling
- Two sensors increase likelihood of constant data collection
- Compare data points from each sensor to ensure validity

Real-time data with wireless monitoring
- Enables real-time data viewing from anywhere
- Keep an eye on meter health, including battery life, so you never lose data

System components:
(Click component to view datasheet)
- Hach FL900 Series Flow Logger
- Hach AV900 Analyzer Module
- Hach Submerged AV Sensor
- US9003 In-Pipe Ultrasonic Sensor
Redundant Level Monitoring System

Application illustration

Increase your confidence
Guarantee you’ll get your data with redundant measurements
Rain Gauge Network Extension

Understanding the effects of rainfall on your sewer line or at your plant is critical, and this system is designed to capture the data you need. We call it a Network Extension because it smartly complements your network of flow monitors to capture rain-based data points. Comprised of a rain gauge tipping bucket and a wireless data logger, the **Rain Gauge Network Extension** transmits precipitation information so you’ll conveniently be able to view your system’s reaction to a rain event in real-time.

**System components:**
(Click component to view datasheet)

» [Hach FL900 Series Flow Logger](#)
» [Rain Gauge Tipping Bucket](#)
Rain Gauge Network Extension

Application illustration

Collect rain data
Augment your data with rainfall input
Level-Alarming Network Extension

This system provides a cost-effective way to monitor more sites throughout your entire collection system. While we recommend using a highly accurate wireless Non-contact Monitoring System to keep an eye on critical primary sites, this economical level-alarming system at secondary locations is the perfect way to smartly monitor more sites. By pairing a Hach US9001B Ultrasonic Sensor with Ballast with a wireless Hach FL900 Series Flow Logger, you will receive real-time flow data right on your desktop for immediate review and analysis. And if there’s ever a problem, such as overflows or blockages, you’ll immediately be alerted via text message or email so a team can go resolve it.

With a **Hach Level-Alarming Network Extension**, you’ll have greater awareness, and thus greater control, of your entire collection system.

**Smart alarming capabilities**
- Automated alarming based on customizable settings
- Multiple data points to help determine veracity of alarm

**Broader system awareness**
- Low-cost approach to monitoring more sites
- No confined space entry for install
- Minimal maintenance

**System components:**
(Click component to view datasheet)
- [Hach FL900 Series Flow Logger](#)
- [Hach US9001B Ultrasonic Sensor with Ballast](#)
Level-Alarming Network Extension

Constant awareness
Economically monitor more of your collection system, even the most rural sites.

More than just alarming
Also captures flow data using Manning’s equation.

No confined space entry necessary
The ballasted ultrasonic sensor allows for top-side installation and maintenance.
Handheld Flow Meter

Certain tools are so handy every truck should carry one. For environmental and wastewater professionals, that’s exactly the case with the Hach FH950 Handheld Flow Meter. There are dozens of uses for this rugged, portable monitoring system. For example, environmental professionals love them for river and stream profiling. Whereas municipal wastewater workers find they work perfectly when selecting optimal metering site locations, or when providing redundant verification that a current monitor is capturing accurate data. And with a highly intelligent sensor that takes reliable measurements even at low velocities and in both clean and dirty water, the FH950 is a must-have addition to your flow monitoring tool box.

Time savings at every turn
- Stores data automatically, eliminating error-prone manual logging
- Automatically executes necessary calculations according to ISO and USGS standards
- Easy data transfer to any PC

Built for in-field usage
- Truly portable at only 1.5lbs
- Full-color display for easy readability in direct sunlight
- Completely water-resistant

System components:
(Click component to view datasheet)
- Hach FH950 Handheld Flow Meter
- EM950 Velocity Sensor with optional Pressure Transducer

Case studies
- Case Study A
- Case Study B
Handheld Flow Meter

Application imagery

Environmental usage
Perfect for profiling rivers and streams

Muni usage
Excellent redundant spot-checking tool to confirm accuracy of flow data
Sampling System

Hach AS950 Automatic Samplers collect and store unbiased representative water samples for laboratory analysis. Available in three base types: portable, indoor refrigerated, and all-weather refrigerated, the AS950 Automatic Sampler is compatible with a variety of bottle sets of varying size, quantity, and material. The AS950 is configurable to meet all sampling needs by combining a controller, a base, sensors, a bottle set, accessories and sampling program features.

Intuitive operation. Error-free results.

- Large full color display and intuitive programming give access to all programming criteria on a single screen - eliminating scrolling through menus and supporting error-free operation.
- Status screen instantly communicates alarms, missed samples and program progress for quick troubleshooting and confidence in the sampling process.

Convenient data transfer

- USB drive compatibility provides convenient data transfer and allows quick copying of programs from one sampler to another.

System components:
(Click component to view datasheet)

» Portable AS950 Automatic Sampler
  or
» All Weather AS950 Automatic Sampler
  or
» Refrigerated AS950 Automatic Sampler
**Sampling system**

*Application illustrations*

**Effluent sampling**
All-weather sampling at treatment plants for regulatory reporting. Can pace by time or by flow sensor (ultrasonic or submerged AV).

**Environmental application**
Use the portable sampler with batteries or solar power for sampling in environmental applications. An ultrasonic or submerged AV sensor, combined with a hydraulic structure, can be used to pace the samples.

**Overflow sampling**
Use for required water quality analysis on overflows. Can be paced by an ultrasonic down-looking sensor over the weir.
Rental Equipment: Wireless and Non-Wireless

As explained earlier in this guide, Hach offers three options to getting a handle on your flow data: Services, Equipment, and Rentals so that you can find a match to the needs of your operation.

With our Rental program, you’ll have access to the most state-of-the-art equipment on the market, for whatever length of time you need to collect the data you’re looking for. And to make collecting data even easier, we offer wireless equipment for rent as well.

As always, please contact your local Hach flow representative to help determine the best solution for your specific requirements.

Equipment available to rent:

**Sensors**
- FLO-DAR AV Sensor
- Surcharge Velocity Sensor included
- Hach Submerged AV Sensor
  - AV9000 Analyzer Module included
- Hach US9000 Series Ultrasonic Sensors
  - Downlooking or In-Pipe options available
  - Ballast kit available for downlooking option
- Redundant Sensors
  - Includes Submerged AV Sensor (with AV9000 Analyzer Module) and Hach US9003 In-Pipe Ultrasonic Sensor
- Rain Gauge
- FLO-TOTE® 3 AV Sensor

**Loggers**
- Hach FL900 Series Flow Logger
  - 2 port or 4 port options available
  - Wireless and non-wireless options available
- Hach FL1500 Series Flow Logger

**Hardware**
- Installation Hardware
- FLO-DAR Mounting Hardware
For detailed information and specifications on each product, please visit: hachflow.com

To discuss solutions with a local Hach flow products & services representative, please submit an information request at: www.hachflow.com/contact

Or contact us by phone at:
1.800.368.2723 (Toll Free USA and Canada)
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