

XFT Series: Revolutionizing Flow Measurement

Easy, Non-Invasive Installation, & Reliable Performance

Clamp-On Design

No pipe cutting, no moving parts, no pressure loss, no contamination

Broad Compatibility

Supports 16–52mm pipes in stainless steel, PVC, PPR, and more



Smart Connectivity

MODBUS® RTU + analog outputs with integrated temperature measurement

Rotatable LCD Interface

True-color display with flexible orientation for easy viewing

Easy, Non-Invasive Installation

The XFT Series revolutionizes flow measurement with a clamp-on ultrasonic design. By eliminating the need for pipe cutting, welding, or unions, installation is quick and cost-effective. This non-invasive method also means zero contamination risk, no added pressure loss, and compatibility with existing piping—ideal for cooling and process systems where uptime is critical.

Intuitive Display & User Controls

Featuring an elegant full-color LCD with rotatable orientation, the XFT makes system monitoring simple. Users can view real-time flow rate, temperature, cumulative flow, and signal strength directly at the unit. Built-in parameter adjustment, password protection, and advanced calibration tools add flexibility for a wide range of system requirements.

Reliable Performance, Zero Maintenance

Built with no moving parts, the XFT ensures stable, long-term accuracy without routine servicing. Its ultrasonic measurement technology maintains consistent $\pm 2\%$ FS accuracy over years of operation. For industries where downtime is costly, this translates into a lower total cost of ownership and greater peace of mind.

Connected for Modern Systems

Beyond basic flow measurement, the XFT provides integrated analog and digital outputs—including MODBUS® RTU—for seamless integration into PLCs, BMS, or process monitoring platforms. It also measures pipe wall temperature, enabling simultaneous flow and thermal data collection from a single device, streamlining system design and monitoring.

Non-Invasive. Accurate. Reliable.



Chiller Systems



Water / Wastewater



Data Center Cooling



Semiconductor

XFT Specifications

✓ Maximum Flow Rate

PIPE SIZE	DIAMETER RANGE (OD)	GALLONS PER MINUTE	LITERS PER MINUTE
3/8"	16 to 18 mm	7.9 GPM	30 LPM
1/2"	18 to 23 mm	15.9 GPM	60 LPM
3/4"	23 to 28 mm	26.4 GPM	100 LPM
1"	28 to 37 mm	52.8 GPM	200 LPM
1.25"	37 to 44 mm	79.3 GPM	300 LPM
1.5"	44 to 52 mm	105.7 GPM	400 LPM

✓ Fluid Media Compatibility

- Cooling Liquids
- DI Water
- Oil Substances, etc.

✓ Pipe Material

- Stainless Steel
- PVC
- PPR
- For other hard pipe materials, please consult the factory

✓ Flow Accuracy

- Typical $\pm 2\%$ FS, Max $\pm 3\%$ FS

✓ Fluid Temperature Range

- 0°C to $+60^{\circ}\text{C}$ ($+32^{\circ}\text{F}$ to $+140^{\circ}\text{F}$)

XFT Competitive Advantages

- ✓ **Clamp-On Design** - No pipe cutting or fitting conversion required
- ✓ **No Moving Parts** - Ensures no pressure loss or contamination
- ✓ **User-Friendly Interface** - Elegant true-color LCD with rotatable orientation
- ✓ **Pipe Compatibility** - Supports diameters from 16 to 52mm (3/8" to 1.5")
- ✓ **Material Compatibility** - Works with stainless steel, PVC, PPR, and similar materials
- ✓ **Communication Interface** - Additional MODBUS® RTU support
- ✓ **Measurement Capability** - Includes analog temperature measurement
- ✓ **Certification** - CE/REACH/RoHS certified

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