

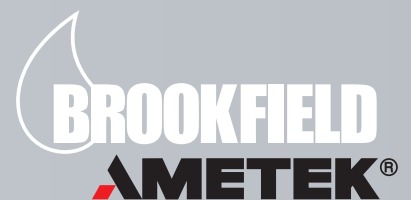
The perfect solution for continuous defined shear in-line measurement systems!

TT-100TM

IN-LINE VISCOSIMETER



- Continuous viscosity measurements at defined shear rates
- Proven, trouble-free, closed loop instrument
- Directly correlates to AMETEK Brookfield lab instruments
- IECEx versions available
- Customizable to your application



TT-100™

IN-LINE VISCOMETER

The perfect solution for defined shear in-line measurement systems

FEATURES

Continuous measurement eliminates the need for “Grab” sampling and allows for prediction and constant control of the final product properties

Concentric cylinder geometry (Couette type) provides viscosity measurements at defined shear conditions

Defined shear means agreement with Brookfield Laboratory measurements at equivalent shear rates

Constant or variable speed motors available

4-20 mA output signal provides a variety of display and control capabilities

Capable of a wide range of pressures, temperatures, viscosities, flow and shear rates

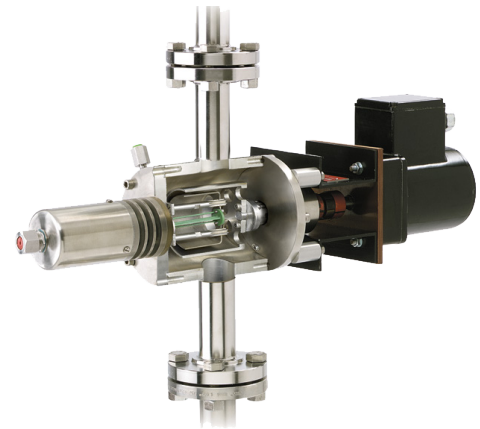
Measurement “Zone” is protected from main flow, allowing accurate, repeatable measurement under variable conditions

Mounts in-line supported by connections: Available in 1”, 1½”, or 2” pipeline connections; tri-clamp, threaded or flanged

Easy to check and maintain calibration

Can be operated at shear rates of 511 sec⁻¹ as required by the Standards of the American Petroleum Institute (API)

Use in hazardous locations worldwide with optional IECEx explosion-proof certifications



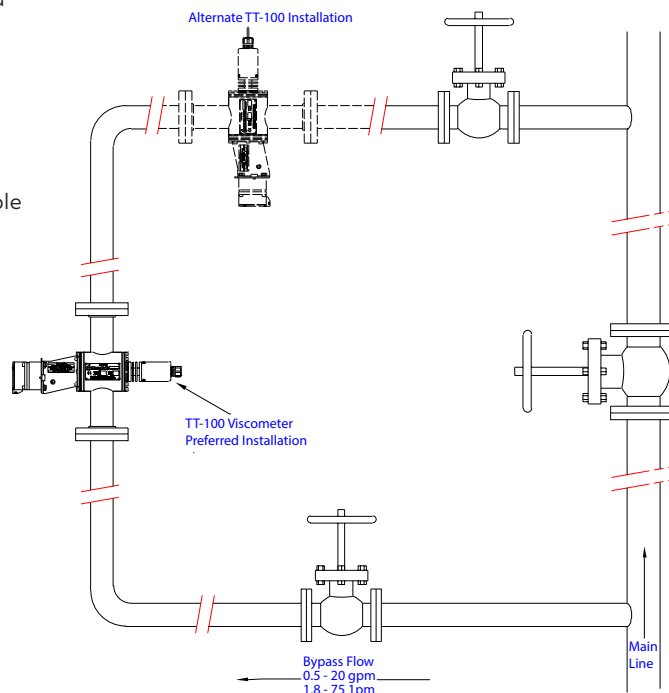
OPTIONS

TT-100 IECEx model certified to IECEx, ATEX and North American explosion-proof standards

Variable speed motor

Customized versions available

TYPICAL INSTALLATION



PARAMETER	SPECIFICATION
Measurement Type	Concentric Cylinder
Viscosity Range	10-500,000 cP
Shear Rates	10 to 1,000 s ⁻¹
Output Signal	4-20 mA
Fluid Temperature	-40 to +176°C (-40 to +350°F)
Pressure Range	Vacuum to 300 psi
Max. Flow Rate	20 gpm
Power Requirements	115/230 VAC; 50/60 Hz; 200 W (24 VDC, optional)

