The Series DTFW & DTFO Variable-Area Flowmeters for Liquids and Oils measure water or oil flow rates with ±2% of full scale accuracy at a competitive price. Available in 1/4”, 1/2” and 1” connections for a wide variety of applications and comes calibrated for horizontal in line mounting.

The Series DTFA Variable-Area Flowmeters for Gases measures gas flow rates with ±5% of full scale accuracy at an affordable price. Available in either 1/4” or 1/2” NPT connections and comes pre-calibrated for horizontal in-line mounting.

FEATURES/BENEFITS
• Durable metal construction ensures great reliability and the strength to withstand system pressures of up to 3000 psig (200 bar).
• Shatter proof construction, unlike glass tube variable area flowmeters, yields long service life.
• Precise flow measurement, unlike glass tube variable area flowmeters, yields long operation life.
• Process pressure drop across filters or strainers.
• Flow scale based on differential pressure.
• Liquid level given pressure differential between bottom and top of tank.
• Monitoring pressure drop across filters or strainers.
• Hydraulic equipment.
• Oil & gas equipment.
• Heat exchangers.
• Backflow prevention.

APPLICATIONS
• Monitoring pressure drop across filters or strainers.
• Flow scale based on differential pressure.
• Liquid level given pressure differential between bottom and top of tank.
• Hydraulic equipment.
• Oil & gas equipment.
• Heat exchangers.
• Backflow prevention.

SPECIFICATIONS
Wetted Materials: Body: 316 SS, brass or aluminum; Spring: 302 SS or PTFE-coated; Range spring: 302 SS; Magnet: PTFE-coated; Metering cone: Acetal or PTFE; Seals: Buna.
Temperature Limits: -40 to 200°F (-40 to 93°C)
Pressure Limit: DTFW-3S: 1500 psig (100 bar); All other DTFW models: 3000 psig (200 bar); DTFA-2A: 10 lb (4.54 kg); DTFO-2B: 5 lb (2.27 kg); DTFA: 3000 psig (200 bar).
Weight:
• DTFW-2B and 2S: 5 lb (2.27 kg); DTFA-2A: 3 lb (1.36 kg).
• DTFO-2B: 5 lb (2.27 kg); DTFA-2A: 3 lb (1.36 kg).
• DTFA-2A: 3 lb (1.36 kg).
• DTFA-2A: 2 lb (0.91 kg).
• All other DTFW models: 3000 psig (200 bar).
Accuracy: Liquid/oil calibration: ±2% FS; Air calibration: ±5% FS.
Repeatability: ±1% FS.
Size: Diameter dial face 2.5” (63.5 mm).
Process Connection: See model chart.
Model Range, SCFM Body Connection
DTFA-1A-10A 1.5 to 10 Aluminum 1/4” NPT
DTFA-1A-15A 2.0 to 15 Brass 1/4” NPT
DTFA-1A-20A 3.0 to 20 Brass 1/4” NPT
DTFA-1A-25A 3.0 to 25 Brass 1/4” NPT
DTFA-2A-30A 3.0 to 30 Brass 1/4” NPT
DTFA-2A-40A 4.0 to 40 Brass 1/4” NPT
DTFA-2A-50A 4.0 to 50 Brass 1/4” NPT
DTFA-2A-75A 5.0 to 75 Aluminum 1/4” NPT
DTFA-2A-100A 10.0 to 100 Aluminum 1/4” NPT

Note: For oil compatible models, change all W’s to O’s in model number. Example: DTFO-1B-1O.
Note: Not available in 1/4” or 1/2” SS.