

VARIABLE-AREA FLOWMETERS

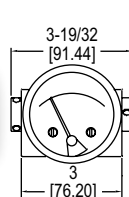
In-Line Mounting, Gas, Liquids and Oils



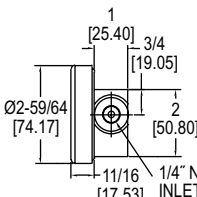
DTFW



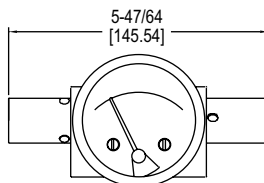
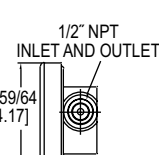
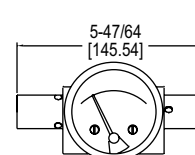
DTFA



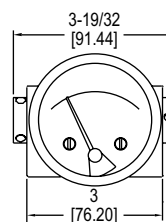
1/4" NPT connection



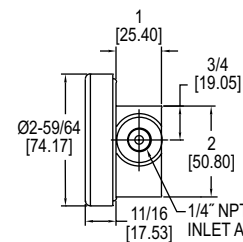
1/2" NPT connection



1/2" NPT process connection



1/4" NPT connection



The **Series DTFW Variable-Area Flowmeters** for Liquids and Oils measure water or oil flow rates with $\pm 2\%$ 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 $\pm 5\%$ 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.

BENEFITS/FEATURES

- 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 operation life
- Perform precisely in high temperature, high vibration, shock-prone environments

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 and gas equipment
- Heat exchangers
- Backflow prevention

SPECIFICATIONS

Service: DTFW: Compatible liquids; DTFA: Compatible gases.
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: 3000 psig (200 bar).
Accuracy: Liquid/oil calibration: $\pm 2\%$ FS; Air calibration: $\pm 5\%$ FS.
Repeatability: $\pm 1\%$ FS.
Size: Diameter dial face 2.5" (63.5 mm).
Process Connection: See model chart.
Weight: DTFW-1B and 1S: 3 lb (1.36 kg); DTFW-2B and 2S: 5 lb (2.27 kg); DTFW-3S: 10 lb (4.54 kg); DTFA-1A: 3 lb (1.36 kg); DTFA-2A: 5 lb (2.27 kg).

MODEL CHART

Model	Range GPM Water	Connection NPT	Body	Metering Cone	Model	Range GPM Water	Connection NPT	Body	Metering Cone
DTFW-1B-1W	0 to 1	1/4"	Brass	Acetal	DTFW-2B-8W	0 to 8	1/2"	Brass	Acetal
DTFW-1B-2W	0 to 2	1/4"	Brass	Acetal	DTFW-2B-10W	0 to 10	1/2"	Brass	Acetal
DTFW-1B-3W	0 to 3	1/4"	Brass	Acetal	DTFW-2S-1W	0 to 1	1/2"	SS	Acetal
DTFW-1B-4W	0 to 4	1/4"	Brass	Acetal	DTFW-2S-2W	0 to 2	1/2"	SS	Acetal
DTFW-1B-5W	0 to 5	1/4"	Brass	Acetal	DTFW-2S-3W	0 to 3	1/2"	SS	Acetal
DTFW-1S-1W	0 to 1	1/4"	SS	Acetal	DTFW-2S-4W	0 to 4	1/2"	SS	Acetal
DTFW-1S-2W	0 to 2	1/4"	SS	Acetal	DTFW-2S-5W	0 to 5	1/2"	SS	Acetal
DTFW-1S-3W	0 to 3	1/4"	SS	Acetal	DTFW-2S-8W	0 to 8	1/2"	SS	Acetal
DTFW-1S-4W	0 to 4	1/4"	SS	Acetal	DTFW-2S-10W	0 to 10	1/2"	SS	Acetal
DTFW-1S-5W	0 to 5	1/4"	SS	Acetal	DTFW-3S-10W	0 to 10	1"	SS	PTFE
DTFW-2B-1W	0 to 1	1/2"	Brass	Acetal	DTFW-3S-15W	0 to 15	1"	SS	PTFE
DTFW-2B-2W	0 to 2	1/2"	Brass	Acetal	DTFW-3S-20W	0 to 20	1"	SS	PTFE
DTFW-2B-3W	0 to 3	1/2"	Brass	Acetal	DTFW-3S-25W	0 to 25	1"	SS	PTFE
DTFW-2B-4W	0 to 4	1/2"	Brass	Acetal	DTFW-3S-30W	0 to 30	1"	SS	PTFE
DTFW-2B-5W	0 to 5	1/2"	Brass	Acetal					

Note: Not available in 1/4" or 1/2" SS.

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	Aluminum	1/4" NPT
DTFA-1A-20A	3.0 to 20	Aluminum	1/4" NPT
DTFA-1A-25A	3.0 to 25	Aluminum	1/4" NPT
DTFA-2A-30A	3.0 to 30	Aluminum	1/2" NPT
DTFA-2A-40A	4.0 to 40	Aluminum	1/2" NPT
DTFA-2A-50A	4.0 to 50	Aluminum	1/2" NPT
DTFA-2A-75A	5.0 to 75	Aluminum	1/2" NPT
DTFA-2A-100A	10.0 to 100	Aluminum	1/2" NPT

USA: California Proposition 65
WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.