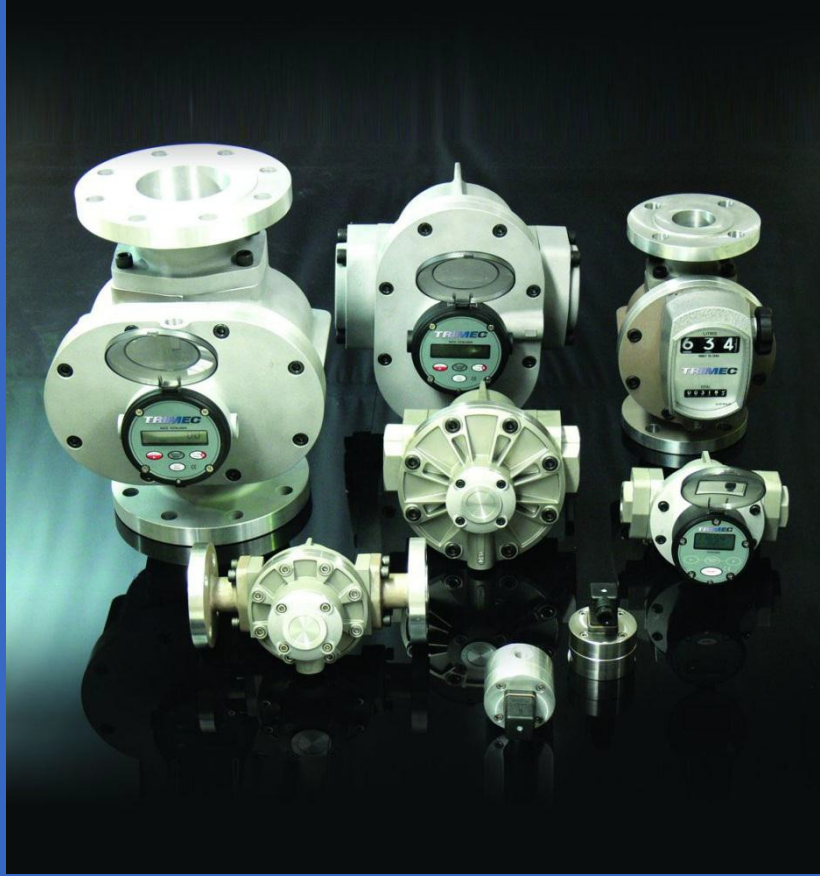


**OVAL GEAR FLOWMETERS**



Designed  
and  
Manufactured  
for Customer  
Value

Proudly manufactured in Australia





## Design Excellence Leads To Better Performance

Among the many PD flowmeter design principles available today, the oval gear meter still holds a top place both in simplicity and field proven performance.

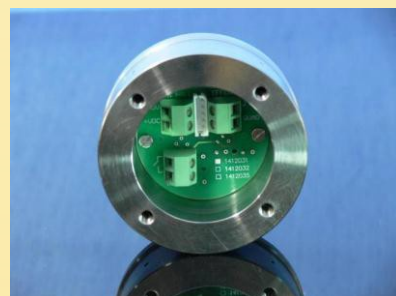
The inside story reveals a robust positive displacement oval gear flowmeter range incorporating patented innovations and features that bring many benefits to market.

### Overview

Trimec provide a range of oval gear flowmeters which provide high levels of accuracy and repeatability for a wide range of most clean liquids irrespective of viscosity and conductivity, including fuel oils, additives, chemicals, food bases, paints, viscous emulsions, insecticides, alcohol and solvents, either pumped or gravity fed.

### Features

- Modular process connections
- No requirement for flow conditioning
- High accuracy, repeatability and reliability
- Wide turndown (min. ~max. flow)
- Ultimate rotor stability (all metal rotors)
- Dual outputs (reed and hall effect) standard
- Hyperpulse high resolution pulse output
- Hazardous area versions
- Bi-directional flow capability
- Quadrature pulse output option



### PRINCIPLE OF OPERATION

The oval gear flowmeters are positive displacement flowmeters where the passage of liquid causes two oval gears to rotate within a precision measuring chamber and with each rotation a fixed volume of liquid passes through the meter. Magnets embedded within the gears initiate a high resolution pulse train output. The pulse output can be wired directly to process control and monitoring equipment or can be used as an input to instruments supplied with or directly onto the meter.



## Small Capacity Flowmeters

Trimec small capacity flowmeters provide precise measurement of small quantities of liquids or low flow found in a broad range of industrial and commercial industries including automotive, aviation, mining, power, chemical, pharmaceutical, food, paint, medical engineering, petroleum and environmental.

Application include additives for fuel, consumer products, water treatment, flotation cells and defoaming plants, corrosion inhibitors, perfumes, catalysts, emulsifiers, oils, grease, glues, ink and insecticides.

### General Specifications\*

Flow range : 0.5~550 L/H (0.16~145 USGPH)

Nominal Sizes : 4 ~8 mm (1/8"~3/8")

Linearity : +/- 1% of reading

Repeatability : +/- 0.03% repeatability

Temperature : -20~+120 °C (-4~250°F)

Materials : 316 St St or Aluminium

Pulse outputs : reed switch & NPN open collector (standard)

(\* for full specifications see page 4)

### STANDARD OPTIONS:

- LCD totaliser
- LCD Flow rate totaliser
- LCD two stage batch controller
- Intrinsically Safe (I.S.) instruments
- 4~20mA, scaled pulse and alarm outputs
- Quadrature pulse output

(see ancillaries, page 14, for further details on integral and remote options)

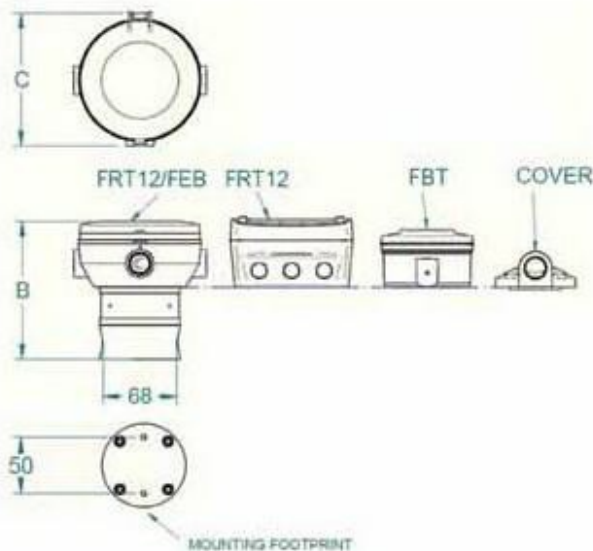




## GENERAL SPECIFICATIONS

Model prefix :	TF004	TF006	TF008
	small capacity		
Nominal size mm ( " )	4mm (1/8")	6mm (1/4:")	8mm (3/8)
* Flow range-(LPH)	(0.5~36)	(2~100)	(15~550)
(GPH)	(0.13~9.5)	(0.5~27)	(4~145)
**Accuracy @ 3cp	+/- 1% of reading (accuracy is +/-0.2% of reading with optional RT12 with non-linearity correction)		
Repeatability	Typically +/-0.03% of reading		
Temperature range	-20°C ~ +120°C ( -4°F ~ +250°F, refer factory for lower temperature )		
Maximum pressure	(Threaded meter)s bar (PSI)		
Aluminium	15 (220)		
316 stainless	34 (495)		
Intermediate press. SS meter	100 (1450)	100 (1450)	100 (1450)
High pressure models	400 (5800)	400 (5800)	400 (5800)
Electrical - for pulse meters ( see also optional outputs )			
Output pulse resolution	pulses / litre (pulses / U.S. Gallon) - nominal		
Reed switch	2800 (10600)	1050 (3975)	355 (1345)
Hall effect	2800 (10600)	1050 (3975)	710 (2690)
Quadrature Hall option	2800 (10600)	1050 (3975)	710 (2690)
PF-Pulsating Flow (Hall effect)	2800 (10600)	1050 (3975)	178 (675)
HR-High Resolution Hall effect	11200 (42400)	4200 (15900)	N/A
Reed switch output	30Vdc x 200mA max. (Maximum thermal shock 10°C (50°F) / minute)		
Hall effect output (NPN)	3 wire open collector, 5~24Vdc, 20mA max.		
Optional outputs	4-20mA, scaled pulse quadrature pulse, flow alarms or two stage batch control		
Physical			
Protection class	IP66/67 (NEMA4X) - for Pulse Meter, IP65 (NEMA 4) - for Mechanical Series; optional Exd I/IIB T4/T6		
Overall dimensions	refer below		
Recommended filtration	75 microns (200 mesh)		
* Maximum flow is to be reduced as viscosity increases. See flow de-rating guide. Max. allowable pressure drop is 100 kPa (14.5 psi)			
** QP and PF options are not available with High pressure meters			

**TF004 ~ TF008**  
**(All dimensions in millimeters +/- 2mm)**



	B	B	B	C
Option	TF004	TF006	TF008	ALL
FR12 / EB Register	122	122	129	124
FRT12	125	125	132	96
FBT	113	113	120	94
Cover	92	92	99	72
Aluminium Pulse (Kg)	0.8	0.8	0.8	-
St St Pulse (Kg)	1.5	1.5	1.5	-

## Medium Capacity Flowmeters

Trimec medium capacity flowmeters find widespread application in industry to monitor and control liquid flow streams and allow for precise dispensing of small to medium batch runs. They also have extensive application in the distribution of fuels, fuel oils, lubricants, alcohols, solvent and the blending bio and ethanol fuels.

### General Specifications\*

Flow range : 1~450 L/M (0.26~120 USGPM)

Nominal Sizes : 15~50 mm (1/2"~2")

Linearity : +/- 0.5% of reading

Repeatability : +/- 0.03% repeatability

Temperature : -20~+120 °C (-4~250°F)

Materials : 316 St St or Aluminium

Pulse outputs : reed switch & NPN open collector (standard)

(\* for full specifications see page 7)

### STANDARD OPTIONS:

- Modular process connections
- LCD totaliser
- LCD Flow rate totaliser
- LCD two stage batch controller
- Intrinsically Safe (I.S.) instruments
- 4~20mA, scaled pulse and alarm outputs
- Quadrature pulse output
- Integral mechanical totaliser / batch register

(see ancillaries, page 14, for further details on integral and remote options)



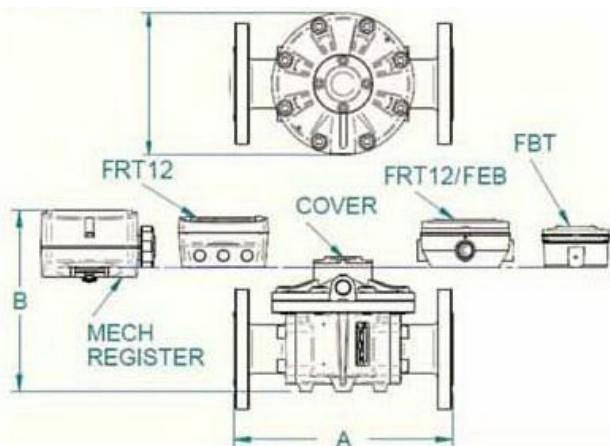
## GENERAL SPECIFICATIONS

Model prefix :	TF015	TF025	TF040	TF050	TF050E
Nominal size mm ( " )	15mm (1/2")	25mm (1")	40mm (1.5")	50mm (2")	50mm (2")
* Flow range-litres / min	1~40	10~150	15~250	30~450	35~580
USG / min	0.26~10.6	2.6~40	2.6~66	8~120	9~150
**Accuracy @ 3cp	+/- 0.5% of reading (accuracy is +/-0.2% of reading with optional RT12 with non-linearity correction)				
Repeatability	typically $\pm$ 0.03% of reading				
Temperature range					
<b>Maximum pressure Pulse meter</b>	<i>(Threaded Meters) bar ( PSI )</i>				
Aluminium	68 (990)	68 (990)	30 (435)	20 (285)	20 (285)
Intermediate press. AL		138 (2000)			
316L stainless	68 (990)	68 (990)	30 (435)	38 (550)	
Intermediate press. SS meter	100 (1450)	100 (1450)	50 (725)	50 (725)	
High pressure models	400 (5800)	400 (5800)	400 (5800)	300 (4350)	
<b>Maximum pressure Mechanical meter</b>	<i>(Threaded Meters) bar ( PSI )</i>				
Aluminium	40 (580)	40 (580)	30 (435)	20 (285)	20 (285)
316L stainless	40 (580)	40 (580)	30 (435)	20 (285)	
<b>Electrical - for pulse meters ( see also optional outputs )</b>					
Output pulse resolution	pulses / litre ( pulses / US gallon ) - nominal				
Reed switch	84 (318)	27 (102)	14 (53)	6.5 (25)	4.8 (18)
Hall effect	168 (636)	107 (405)	56 (212)	26 (99)	19.2 (73)
Quadrature Hall option	168 (636)	54 (204)	28 (106)	13 (49)	9.6 (36)
Reed switch output	30Vdc x 200mA max. (Maximum thermal shock 10°C (50°F) / minute				
Hall effect output (NPN)	3 wire open collector, 5~24Vdc, 20mA max.				
Optional outputs	4-20mA, scaled pulse quadrature pulse, flow alarms or two stage batch control				
<b>Physical</b>					
Protection class	IP66/67 (NEMA4X) - for Pulse Meter, IP65 (NEMA 4) - for Mechanical Series; optional Exd I/IB T4/T6 integral ancillaries can be supplied I.S. (Intrinsically Safe)				
Overall dimensions	Refer below				
Recommended filtration	150 microns (100 mesh)				
* Maximum flow is to be reduced as viscosity increases. See flow de-rati. refer data sheet					
** QP and PF options are not available with High pressure meters 150 microns (100 mesh)					

**TF015 ~ TF050**  
(All dimensions in millimeters +/- 2mm)

WEIGHT (KG)	TF015	TF025	TF040	TF050
Aluminium Mechanical	2.6	3.8	7.6	9.6
Aluminium Pulse	1.7	3	5	8.6
St / St Mechanical	4	7	15	16.3
St / St Pulse	2.95	5.4	12	15

Ø160 (040) Ø180 (050)  
Ø110 (015) Ø120 (025)



	A	A	A	A	A	A	A	A
Modular Fitting	TF015-A	TF015-S	TF025-A	TF025-S	TF040-A	TF040-S	TF050-A	TF050-S
A.N.S.I. 150	-	-	198	237	252	252	277	277
DIN16	-	-	198	237	252	252	277	277
JIS 10K	-	-	198	237	252	252	277	277
B.S.P.	110	110	137	176	188	188	212	212
N.P.T.	110	110	137	176	188	188	212	212

	B	B	B	B	B	B	B	A
Configuration	TF015-A	TF015-S	TF025-A	TF025-S	TF040-A	TF040-S	TF050-A	TF050-S
RT12 / EB Register	154	148	168	165	203	194	218	218
BT Register	145	139	160	157	195	186	210	210
RT12 Register	157	151	171	168	206	197	221	221
Cover	106	100	120	117	155	146	170	170
Mechanical Register	178	178	188	214	227	222	237	237



## Large Capacity Flowmeters

Trimec-FP large 3" and 4' capacity flowmeters are highly competitive meters suited for receipt verification, loading, un-loading and distribution management at petroleum depots, mine sites, marine and aviation facilities. Common transfer applications involve fuels, oils, solvents, alcohols along with the blending of bio and ethanol fuels.

The meters are relatively compact and lightweight in construction, important benefits when used in mobile installations or within confined spaces.

## General Specifications\*

Flow range	: 50~1500 L/M (13~400 USGPM)
Nominal Sizes	: 80 & 100 mm (3" and 4")
Linearity	: +/- 0.2% 15:1 turndown
Repeatability	: +/- 0.03% repeatability
Temperature	: -20~+120 °C (-4~250°F)
Materials	: Aluminium or Stainless Steel
Pulse outputs	: reed switch & NPN open collector (standard)

(\* for full specifications see page 11)

## STANDARD OPTIONS:

- Modular process connections
- LCD totaliser
- LCD Flow rate totaliser
- LCD two stage batch controller
- Intrinsically Safe (I.S.) instruments
- 4~29mA, scaled pulse and alarm outputs
- Quadrature pulse output
- Integral mechanical totaliser batch register

(see ancillaries, page 14, for further details on integral and remote options)



## GENERAL SPECIFICATIONS

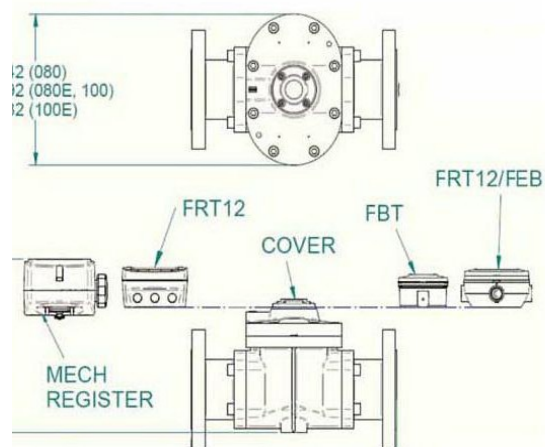
Model prefix :	TF080	TF080E	TF100	TF100E
	large capacity			
Nominal size mm ( " )	80mm (3")	80mm (3") E	100mm (4")	100mm (4") E
* Flow range- litres / min	35~750	50~1000	75~1500	150~2500
USG / min	10~200	13~260	20~400	20~400
**Accuracy @ 3cp	+/- 0.5% of reading (accuracy is +/-0.2% of reading with optional RT12 with non-linearity correction)			
Repeatability	Typically +/-0.03% of reading			
Temperature range	-20°C ~ +120°C ( -4°F ~ +250°F, refer factory for lower temperature )			
Maximum pressure				
Aluminium	12 (175)	12 (175)	10 (145)	10 (145)
316L stainless	12 (175)			
Electrical - for pulse meters ( see also optional outputs )				
Output pulse resolution	pulses / litre (pulses / U.S. Gallon) - nominal			
Reed switch	2.65 (10)	1.55 (5.68)	1.1 (4.15)	0.56 (2.1)
Hall effect	10.65 (40.5)	6.0 (22.70)	4.4 (8.3)	2.24 (8.5)
Quadrature Hall option	5.33 (20)	3.0 (11.36)	2.2 (8.3)	1.12 (4.24)
Reed switch output	30Vdc x 200mA max. (Maximum thermal shock 10°C (50°F) / minute)			
Hall effect output (NPN)	3 wire open collector, 5~24Vdc, 20mA max.			
Optional outputs	4-20mA, scaled pulse quadrature pulse, flow alarms or two stage batch control			
Physical				
Protection class	IP66/67 (NEMA4X) - for Pulse Meter, IP65 (NEMA 4) - for Mechanical Series; optional Exd I/IB T4/T6			
	integral ancillaries can be supplied I.S. (Intrinsically Safe)			
Overall dimensions	refer below			
Recommended filtration	350 microns (40 mesh)			
* Maximum flow is to be reduced as viscosity increases. See flow de-rating guide. Max. allowable pressure drop is 100 kPa (14.5 psi)				
** Accuracy +/- 1% of reading with M-Series Mechanical registers and accuracy +/- 0.5% of reading with V-Series Mechanical registers				

### TF080 ~ TF100 (All dimensions in millimeters +/- 2mm)

WEIGHT (KG)	TF080	TF080-E	TF100-A	TF100-E
Aluminium Mechanical	15	22	24	28
Aluminium Pulse	14	20	23	26
St / St Mechanical	32	-	-	-
St / St Pulse	30	-	-	-

	A	A	A	A	A
Modular Fitting	TF080-A	TF080-S	TF080-E	TF100-A	TF100-E
A.N.S.I. 150	354	354	382	388	414
DIN16	354	354	382	388	414
JIS 10K	354	354	382	388	414
B.S.P.	266	266	294	294	320
N.P.T.	266	266	294	294	320

	B	B	B	B	B
Configuration	TF080-A	TF080-S	TF080-E	TF100-A	TF100-E
RT12 / EB Register	260	257	277	322	399
BT Register	262	249	269	314	391
RT12 Register	264	260	281	326	401
Cover	213	206	229	274	352
Mechanical Register	270	N/A	288	333	416





**TF Oval Gear Mechanical Flow Meters Model coding**
**Effective July 2017**
**Model Size**

TF015	1/2"	(15mm)	1 - 40 L/min	[0.26 - 10.6 USG/min]
TF025	1"	(25mm)	10 - 150 L/min	[2.6 - 40 USG/min]
TF040	1.5"	(40mm)	15 - 250 L/min	[4 - 66 USG/min]
TF050	2"	(50mm)	30 - 500 L/min (PPS rotors)	[8 - 130 USG/min](PPS rotors)
TF080	3"	(80mm)	35 - 750 L/min	[10 - 200 USG/min]
TF080	3" Extended flow	(80mm)	50 - 1000 L/min	[13 - 260 USG/min]
TF100	4"	(100mm)	75 - 1500 L/min	[20 - 400 USG/min]

**Body material**

A	Aluminium
E	Extended flow Aluminium <i>(available only with TF080)</i>
S	316L Stainless Steel

**Rotor material / Bearing Type**

0	0	PPS / No bearing
1	0	Keishi cut PPS (for high viscosity liquids) / No bearing
5	1	Stainless steel / Carbon Ceramic
7	1	Keishi cut stainless steel (for high viscosity liquids) / Carbon Ceramic

**O-ring material**

1	Viton (-15°C min. [5°F] )
3	Teflon encapsulated Viton (includes KALREZ shaft seals on 080 to 100 sizes) (-15°C min. [5°F])
4	Nitrile, (-40°C min. [-40°F])

**Temp / Process connections**

-	8	00	80°C [176°F] max. / No fittings
-	8	10	80°C [176°F] max. / BSPP (G) female threaded
-	8	20	80°C [176°F] max. / NPT female threaded
-	8	40	80°C [176°F] max. / ANSI-150 RF flanged
-	8	50	80°C [176°F] max. / ANSI-300 RF flanged
-	8	60	80°C [176°F] max. / PN16 DIN flanged

**Totaliser capacities**
**TF015 - 040 TF050 - 100**
**Mechanical Registers**

9999.9 litres	99999 litres	M3	4 digit mechanical totaliser - litres
9999.9 gal.	99999 gal.	M4	4 digit mechanical totaliser - U.S. gallons
	999999 litres	V1	5 digit mechanical reset register - litres

**Model No. Example**

TF100	A	0	0	1	-	8	10	M3
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Model	Size			
TF004	1/8"	(4mm)	1 - 36 L/hr	[0.26 - 9.5 USG/hr]
TF006	1/4"	(6mm)	2 - 100 L/hr	[0.5 - 27 USG/hr]
TF008	3/8"	(8mm)	15 - 550 L/hr	[4 - 145 USG/hr]
TF015	1/2"	(15mm)	1 - 40 L/min	[0.26 - 10.6 USG/min]
TF025	1"	(25mm)	10 - 150 L/min	[2.6 - 40 USG/min]
TF040	1.5"	(40mm)	15 - 250 L/min	[4 - 66 USG/min]
TF050	2"	(50mm)	30 - 500 L/min (PPS rotors)	[8 - 130 USG/min] (PPS rotors)
TF080	3"	(80mm)	35 - 750 L/min	[10 - 200 USG/min]
TF080	3" Extended flow	(80mm)	50 - 1000 L/min	[13 - 260 USG/min]
TF100	4"	(100mm)	75 - 1500 L/min	[20 - 400 USG/min]

**Body material**

<b>A</b>	Aluminium
<b>E</b>	Extended flow Aluminium <i>(available only with TF080)</i>
<b>M</b>	Intermediate pressure aluminium (138 Bar [2000psi] max.)
<b>N</b>	Intermediate pressure 316L SS (100 bar [1450psi] 004 - 025 sizes) (50 bar [725psi] 040 - 050 sizes)
<b>S</b>	316L Stainless Steel
<b>P</b>	PPS (only available with PPS rotors)

**Rotor material / Bearing Type**

<b>0 0</b>	PPS (not available for 150°C meters) / No bearing
<b>1 0</b>	Keishi cut PPS (for high viscosity liquids) (not available for 150°C meters) / No bearing
<b>5 1</b>	Stainless steel / Carbon Ceramic
<b>7 1</b>	Keishi cut stainless steel (for high viscosity liquids) / Carbon Ceramic

**O-ring material**

<b>1</b>	Viton (-15°C min. [5°F])
<b>3</b>	Teflon encapsulated Viton (includes KALREZ shaft seals on 080 to 100 sizes) (-15°C min. [5°F])
<b>4</b>	Nitrile, (-40°C min. [-40°F])

**Temperature limits**

<b>2</b>	120°C [250°F] max.
<b>3</b>	150°C [300°F] max. (Hall only) (includes SS terminal cover)
<b>5</b>	*120°C [250°F] max. (includes integral cooling fin)
<b>8</b>	#80°C [176°F] max. (meters with integral instruments, TF008 with PPS rotors and TF025P)

**Process connections**

<b>0</b>	No fittings
<b>1</b>	BSPP (G) female threaded
<b>2</b>	NPT female threaded
<b>3</b>	Tri-clamp ferrules (1/2" larger than meter size)
<b>4</b>	ANSI-150 RF flanged
<b>5</b>	ANSI-300 RF flanged
<b>6</b>	PN16 DIN flanged

**Cable entries**

<b>1</b>	M20 x 1.5mm (M16 x 1.5mm for R4 option)
<b>2</b>	1/2" NPT (TF004-TF008) 1/2" NPT Adaptor used for other sizes

**Integral options**

	Reed switch & Hall effect outputs
<b>SS</b>	Stainless steel terminal cover
<b>RS</b>	Reed Switch only - to suit Intrinsically Safe installations
<b>QP</b>	Quadrature pulse (2 NPN phased outputs)
TF004:11200ppL, TF006:4200ppL	<b>HR</b> High resolution Hall effect output (Hall Effect only)
Scaled pulse, alarms & 4-20mA	<b>R2</b> *RT12 rate totaliser with all outputs (GRN housing)
IECEx & ATEX approved	<b>R3</b> *RT12 Intrinsically Safe rate totaliser with all outputs (GRN housing)
scalable pulse output, backlight	<b>R4</b> *RT40 backlit rate totaliser (Alloy housing with fascia protector)
2 stage DC batcher & totaliser	<b>E0</b> *EB10 batch controller

\* Temp code 5 required when operating temperature is between 80°C [180°F] and 120°C [250°F]

# Temp code 8 required for all integral instruments

Model No. Example

TF025	S	5	1	1	-	5	1	1	R2
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**TF Series High Pressure Oval Gear Electronic Flow Meters**

Effective July 2017

Model	Size			
TF004	1/8"	(4mm)	1 - 36 L/hr	[0.26 - 9.5 USG/hr]
TF006	1/4"	(6mm)	2 - 100 L/hr	[0.5 - 27 USG/hr]
TF008	1/4"	(6mm)	15 - 550 L/hr	[4 - 145 USG/hr]
TF015	1/2"	(15mm)	1 - 40 L/min	[0.26 - 10.6 USG/min]
TF025	1"	(25mm)	10 - 150 L/min	[2.6 - 40 USG/min]
TF040	1.5"	(40mm)	15 - 250 L/min	[4 - 66 USG/min]
TF050	2"	(50mm)	30 - 500 L/min (PPS rotors)	[8 - 130 USG/min]{PPS rotors}
Body material				
H	High Pressure 316 SS (400 Bar [5800 psi] - 004-040 sizes) (300 bar [4500psi] 050 size)			
Rotor material / Bearing Type				
0	0	PPS (not available for 150°C meters) / No bearing		
1	0	Keishi cut PPS (for high viscosity liquids) (not available for 150°C meters) / No bearing		
5	1	Stainless steel / Carbon Ceramic		
7	1	Keishi cut stainless steel (for high viscosity liquids) / Carbon Ceramic		
O-ring material				
1	Viton (-15°C min. [5°F] )			
3	Teflon encapsulated Viton (includes KALREZ shaft seals on 080 to 100 sizes) (-15°C min. [5°F])			
4	Nitrile, (-40°C min. [-40°F])			
Temperature limits				
2	120°C [250°F] max.			
5	*120°C [250°F] max. (includes integral cooling fin)			
8	#80°C [176°F] max. (meters with integral instruments, TF008 with PPS rotors and TF025P)			
Process connections				
1	BSPP (G) female threaded			
2	NPT female threaded			
Cable entries				
1	M20 x 1.5mm (M16 x 1.5mm for R4 option)			
2	1/2" NPT (TF004-TF008) 1/2" NPT Adaptor used for other sizes			
Integral options				
	Reed switch & Hall effect outputs			
SS	Stainless steel terminal cover			
RS	Reed Switch only - to suit Intrinsically Safe installations			
HR	High resolution Hall effect output (Hall Effect only)			
R2	*#RT12 rate totaliser with all outputs (GRN housing)			
R3	*#RT12 Intrinsically Safe rate totaliser with all outputs (GRN housing)			
R4	*#RT40 backlit rate totaliser (Alloy housing with facia protector)			
E0	*#EB10 batch controller			
* Temp code 5 required when operating temperature is between 80°C [180°F] and 120°C [250°F]				
# Temp code 8 required for all integral instruments				
Model No. Example				
TF025	H	5	1	1 - 5 1 1 R2



## TRIMEC ANCILLARIES

- Field programmable electronics
- Scrolling English prompts
- Remote or integral meter mounting
- Easy to read displays

### BATTERY POWERED FLOW RATE TOTALISER

Displays instantaneous flow rate, resettable (batch) total or a cumulative total in engineering units as programmed by the user. When externally powered this instrument will produce an un-scaled or scalable solid state pulse, 4~20mA & flow alarm outputs & non-linearity correction & dual flow input functions.

Available as intrinsically safe (I.S.) certification.



### BATCH CONTROLLER

Provides automatic batch control with one or two stage outputs. The display provides batch quantity as well as status at each stage of the batch process. Batch limiting & no-flow detection are safety features & automatic overrun compensation & dual stage outputs provide for precise batch control. Other features include remote stop/start, system interlocks, totalised display & multiple batch controller networking.



### MECHANICAL REGISTERS

As an alternative to electronic totalisers, robust mechanical registers with metal housing offer 3 or 4 large resettable digits & 6 or 8 digit cumulative total clearly visible for loading & un-loading sites at petroleum depots, mining, construction & marine facilities.

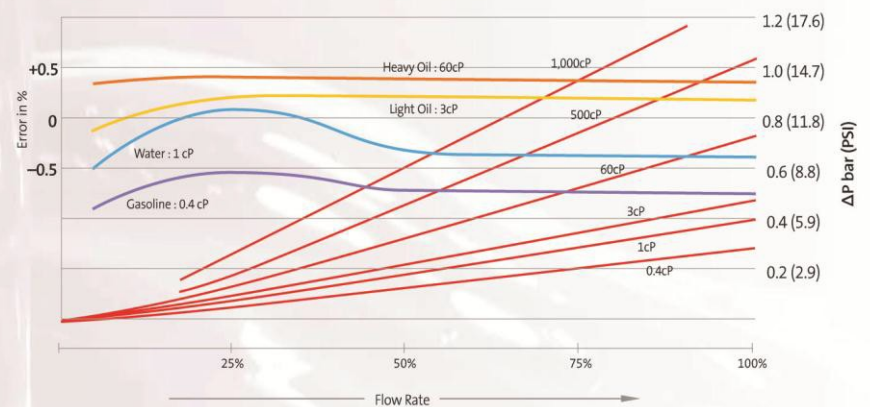


# PERFORMANCE SPECIFICATIONS

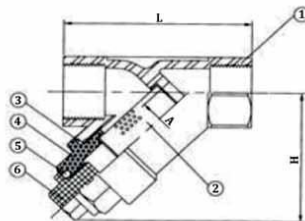
Flowrate de-rating guide

Viscosities (cp)	Max. flow multiplier
up to 1200	1.0
1200-4000	0.6
up to 6000	0.5
up to 10000	0.4
up to 20000	0.3
40000 max.	0.16
60000 max.	0.12
100000 max.	0.08
200000 max.	0.06
400000 max.	0.05
600000 max.	0.04
up to 1000000	0.03

Accuracy & pressure drop



## "Y" – Strainer Specifications



"Y" Strainer Specifications

Body	ASTM A-A-351 Grade CF8M
Screen	DN8 DN15 - 80
Packing	PTFE
Working Pressure	800PSI
End Connections	Threaded Male

Materials List

No.	Part Name	Material
1	Body	CF8M
2	Screen	SS316
3	Gasket	PTFE
4	Bonnet	CF8M
5	O-Ring	Viton
6	Plug	CF8M

Model	Size	A	L	H	Mesh Size	Size (mm)
D-ST008	DN8	10	65	51	200 Mesh	1/4" (6mm)
D-ST010	DN10	12	65	51	200 Mesh	3/8" (10mm)
D-ST015	DN15	15	65	51	100 Mesh	1/2" (13mm)
D-ST025	DN25	25	90	72	100 Mesh	1" (25mm)
D-ST040	DN40	40	120	87	100 Mesh	1 1/2" (38mm)
D-ST050	DN50	50	140	103	100 Mesh	2" (50mm)
D-ST080	DN80	80	200	143	40 Mesh	3" (80mm)

Trimec Flowmeters are supplied through Trimec Flow Products, an ISO9001:2008 certified company.

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Quality Endorsed Company  
ISO 9001:2008  
LRQA 4000452/B



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