

# Nutating Disc Meter Models for Industrial Use

With only one moving part, these simple and economical positive displacement meters are ideal meters for industrial, commercial and municipal services. Our nutating disc meters are used for batching, blending, process control and dispensing of liquids in all liquid handling industries. They are also used for inventory control service in many industries to account for product shortages. All meters are available with a choice of 4 or 5 digit mechanical registers, several electronic registers or as a flow sensors with non-scaled pulse output, making this a highly versatile meter series.



## Model Information

Nominal Capacity* GPM (lpm)	Case Material	Trim	Seals**	Chamber Material	Standard Models		High Pressure Models			Shipping Weight
					Model	150 PSI (10 bar)	Model	400 PSI (28 bar)	1000 PSI (69 bar)	
40 GPM (150 lpm)	Anod. AL	316 SS	Viton™	Ryton™	TN840A	1" & 1½"	TN740A	1" & 1½"	1"	9 lbs. 14 kg
	316 SS	316 SS	Teflon™	Ryton™	TN840D	1"	TN740D	1"	N/A	9 lbs. 14 kg
60 GPM (227 lpm)	Anod. AL	316 SS	Viton™	Ryton™	TN860A	1½"	TN760A	1½"	N/A	14 lbs. 6 kg
	316 SS	316 SS	Teflon™	Ryton™	TN860D	1"	TN760D	1"	N/A	14 lbs. 6 kg

\* Model capacity is subject to correction for liquid viscosity/characteristics and operating conditions.

\*\* Seals available in Viton™ and Teflon™.

## Specifications

- Connections:\*\* NPT or BSPP
- Operating Temperature: -40°F / +180° F (-40°C / +80°C)
- Accuracy: +/- 2%
- Repeatability: 0.5%
- Operating Pressure: 150 PSI (10 bar) standard,  
400 & 1000 PSI (28 & 69 bar) optional

**TN840 & TN740**

## Registration Options

- Non-scaled pulse output
- 4 digit mechanical register
- 5 digit mechanical register, optional printer and/or preset counter
- Battery powered electronic totalizers & registers
- AC batch controllers & flow computers, optional temperature/volume compensation
- Enclosures
  - Local and Remote NEMA 4X
  - Local and Remote NEMA 7/4

**TN860 & TN760**

## Accessories

- Reed switch or electronic pulsers
- Strainer for meter protection
- Mechanical or solenoid control valves
- Knock-off switch for mechanical preset

\*\*Other options available