SKU TN740 · TN860

FILL-RITE TN740 and TN860 Nutating Disc Meters

Mechanical nutating disc meters for inventory control. The 1 in TN740 is rated to 69 bar for lube and hydraulic oils, and the 1.5 in TN860 suits fuels or non-potable water at up to 10 bar.



38 L/min
TN740 max flow at 1 cSt

209 to 228 L/min
TN860 max flow, by configuration

69 bar
TN740 max pressure (1,000 psi)

Key features

- Four wheel display with 11/16 in digits, totaliser to 999,999 units
- Factory calibrated for the viscosity range of the ordered model
- Anodised aluminium case with a PPS (Ryton) measuring chamber
- Fluorocarbon or PTFE seals depending on configuration
- Repeatability ±0.25%

Technical data

SPECIFICATION	VALUE
Order codes	TN740, TN860
TN740 flow	Up to 38 L/min at 1 cSt. 15.2 L/min at 5,000 cSt
TN860 flow	Up to 209 L/min (fuel models) or 228 L/min (water and solvent models)
Accuracy	±2% over a 10:1 turndown
Repeatability	±0.25%
Max pressure	TN740 1,000 psi (69 bar). TN860 150 psi (10 bar)
Size	TN740 1 in. TN860 1.5 in. NPT or BSP by model
TN740 fluids	High viscosity lubricating oils, 125 cSt and over
TN860 fluids	Diesel, biodiesel, fuel oil No. 2, kerosene, jet fuel (3 to 22 cSt) or non-potable water (1 to 2 cSt), by model
Register	Four wheel, 11/16 in digits. Totaliser to 999,999 units
Materials	Anodised aluminium case, PPS (Ryton) chamber, fluorocarbon or PTFE seals
Operating temperature	-26 to 82 °C

Installation and use

Install free of pipe stress with a strainer on the inlet, keep the meter full of liquid, and fit a thermal relief valve wherever it can be trapped between two closed valves. Recalibrate after installation.