

FCV-50

PD Rotary Vane Flow Meter



Application

- Oil company: refineries, Stock Terminal, gas station and Tank trucks
- Airports: aircraft refuellers
- Ports: boats/barges
- Private oil transport companies

Materials

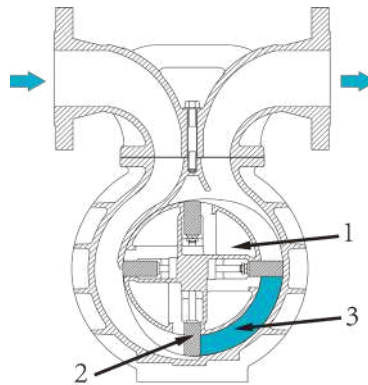
- Manifold: Aluminium
- Covers: Steel
- Rotor: Aluminium
- Blades: Carbon
- Bearings: Stainless Steel
- Seals/Gaskets: Viton, Buna

Advantages

- Stepless adjusting mechanism allows a micro adjustment of the meter
- Special designed Manifold separates from measuring chamber for flexible installation
- Low pressure loss
- Simple construction of rotor blades for easy and low maintenance cost
- Wearing compensation to maintain a good accuracy all along the years
- Meter for viscous products up to 800 Cst

Operating Principle

The product enters the measuring chamber following the direction of the arrow. The rotor and blades assembly (1-2) is set in motion by the pressure of the liquid on blades. A certain amount of liquid (3) is held between 2 blades and then directed to the discharge manifold. The volume of liquid measured at each rotation is therefore equal to 4 times the measured quantity (3). The smooth curves the meter pieces provide a steady, non-fluctuating flow resulting in low head loss.



Technical Description

Model	FCV-50
Diameter	50mm/2"
Volume Per Revolution	0.4L
Flow Range	40~400L/min
Accuracy	+/-0.2%
Repeatability	<0.07%
Max.Pressure	8Bar
Temperature Range	-40° C~+60° C

