

# MECHANICAL METERS



## Fuel meters

K33 and K44 are nutating-disk meters that measure the exact quantity of the dispensed fuel or lubricant. They are designed for non-commercial use only. These flow-meters are reliable, inexpensive, easy to install and simple to calibrate on the workplace.

The Pulser model is fitted with a pulse emitter for connection to a fuel management system.

Thanks to reduced flow resistance, they can also function by gravity.

## Performance Specifications

- Flow-rate (range): 20÷120 l/min (5,3÷32 gal/min).
- Precision: ±1% of flow range after calibration.
- Repeatability: 0,2%.
- Max. operating pressure: 10 bar (142 psi).
- Bursting pressure: 30 bar (426 psi).
- Readout system:
  - K33, 3-digit subtotals (max 999 litres), 6-digit totals.
  - K44, 4-digit subtotals (max 9999 litres), 7-digit totals.
- Resolution: 0.1 litre.
- Pulser card type: "Open collector", frequency: 10 pulses/ litre, power supply: 6-24 V DC, max 10 mA.

## Technical Features

Aluminium metering chamber with polybutylene nutating disk. 1" G inlet, 1" G outlet, in line. The top can be rotated to give four different flow configurations. Mechanical readout device with rotating wheels. Subtotals can be set to zero, total readouts cannot. Available with litre units or gallon units. The K44/P model is equipped with a Pulser card, "Open collector" type, externally powered by the receiver. Flanged coupling from both sides.

## K33 - K44

**Flow rate** 20 ÷ 120 l/min

**Repeatability** 0,2 %

**Max. operating pressure** 10 bar

**Bursting pressure** 30 bar

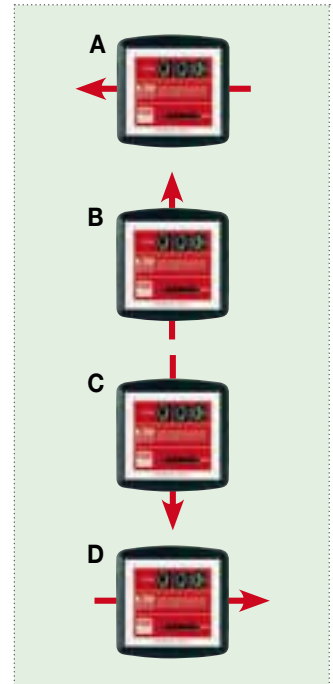
**Accuracy** +/- 1%



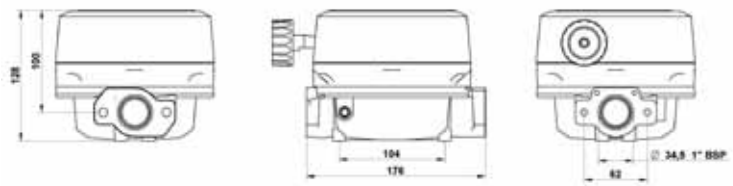
Pulser version available (K44)



Nutating disk system



K44 version



Code	Code	Description		Flow rate		Pression		I/O	Pulser	Inlet filter	Weight Kg	Packaging mm
				l/min	gal/min	bar	psi					
000550000	000550160	K33 Ver. A	←	20÷120	5÷32	10	142	1" G	-	-	2	180x180x170
000551000	000551160	K33 Ver. B	↑	20÷120	5÷32	10	142	1" G	-	-	2	180x180x170
000552000	000557000	K33 Ver. C	↓	20÷120	5÷32	10	142	1" G	-	-	2	180x180x170
000553000	000558000	K33 Ver. D	→	20÷120	5÷32	10	142	1" G	-	-	2	180x180x170
000560000	000560160	K44 Ver. A	←	20÷120	5÷32	10	142	1" G	-	-	2	180x180x170
000561000	000561020	K44 Ver. B	↑	20÷120	5÷32	10	142	1" G	-	-	2	180x180x170
000562000	000562020	K44 Ver. C	↓	20÷120	5÷32	10	142	1" G	-	-	2	180x180x170
000563000	000563020	K44 Ver. D	→	20÷120	5÷32	10	142	1" G	-	-	2	180x180x170
000700000		K33 Ver. A GAL/NPT	←	20÷120	5÷32	10	142	1" NPT	-	-	2	180x180x170
000553130		K33 Ver. D GAL/NPT	→	20÷120	5÷32	10	142	1" NPT	-	-	2	180x180x170
000710000		K44 Ver. A GAL/NPT	←	20÷120	5÷32	10	142	1" NPT	-	-	2	180x180x170
000563980		K44 Ver. D GAL/NPT	→	20÷120	5÷32	10	142	1" NPT	-	-	2	180x180x170
00056500A		K44 / Pulser	→	20÷120	5÷32	10	142	1" G	10 (38)	-	2	180x180x170