



# FLOW DE-RATING GUIDE

Viscosities	Maximum flow multipliers for PD flow meters	
	Standard Oval Gear	Keishi Cut Oval Gear
Less Than		
1,000 cp	1.00	1.00
2,000 cp	0.50	1.00
4,000 cp	0.42	0.84
6,000 cp	0.33	0.66
8,000 cp	0.25	0.50
30,000 cp	0.15	0.30
60,000 cp	0.12	0.25
150,000 cp	0.10	0.20
250,000 cp	0.05	0.10
1,000,000 cp	0.025	0.05

## Example:

1 in. Oval Gear Meters have a flow range of 2.6 - 40 GPM (10-150 L/min).

### Standard Oval Gear meters

- If your fluid is 4,000 cp the maximum flow rate is de-rated by 0.42  
 $40 \text{ GPM (maximum flow rate)} \times 0.42 = 16.8 \text{ GPM}$

### Keishi Cut (High Viscosity) Oval Gear meters

- If your fluid is 4,000 cp the maximum flow rate is de-rated by 0.84  
 $40 \text{ GPM (maximum flow rate)} \times 0.84 = 33.6 \text{ GPM}$