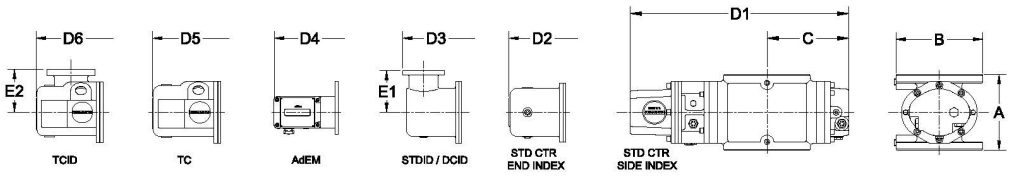
ROMET

# Rotary Gas Meters




**Note: AMI/AMR adaptors available upon request.**

| METER SIZE | ANSI 125 FF FLANGE | A | B | C | D1 | D2 | D3 | D4 | D5 | D6 | E1 | E2 | WEIGHT (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RM450 | 4” | 9.50” | Ø 9.0” | 9.84” | 23.52” | 24.94” | 25.78” | 26.72” | 26.25” | 26.31” | 4.00” | 4.00” | 62-70 |

## RM450 - SOFT METRIC

# SOFT METRIC RM450 4” FLANGE CONNECTION

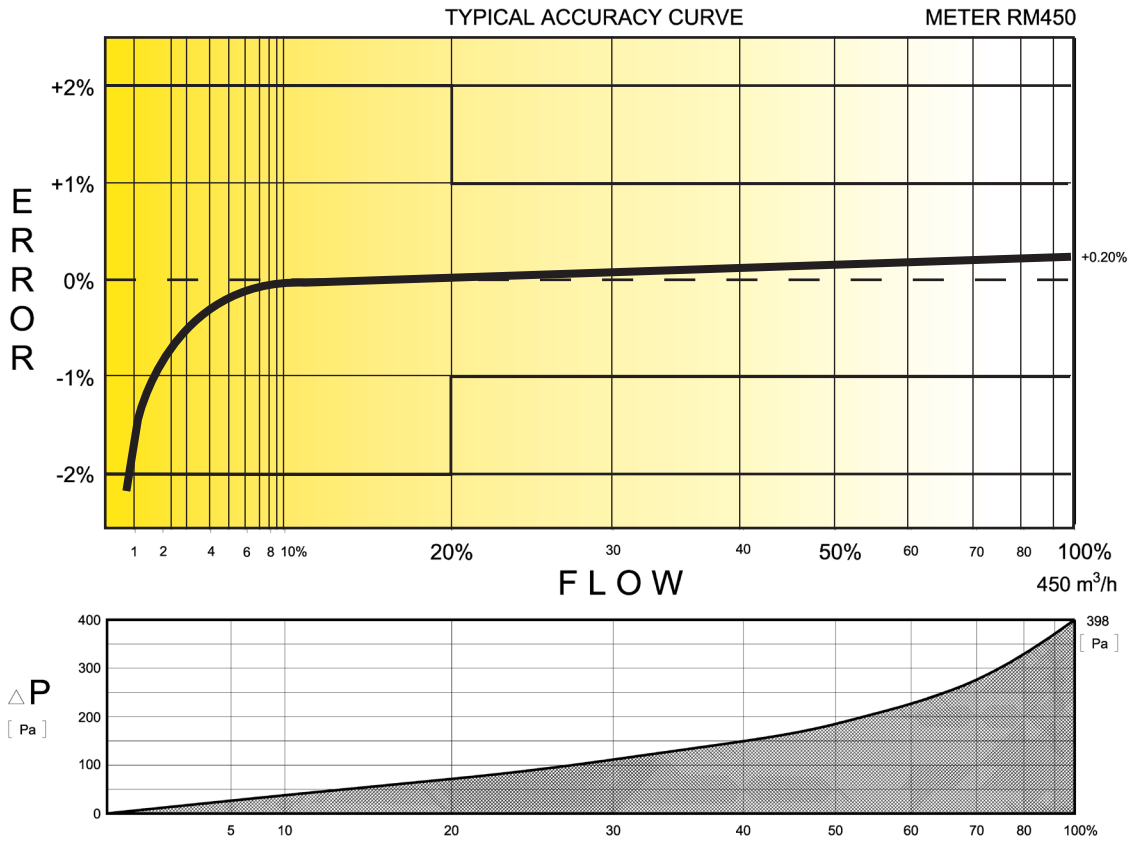
## TECHNICAL SPECIFICATION

| | | |
|---|---|---|
| Connection (Flange) | ANSI 125FF | 4” |
| MAOP | (kPa) | 1206 |
| Flow Capacity | ($m^3/h$) | 450 |
| Rangeabliity* (up to 1:160 @ atmospheric condition) | | 1:160 |
| Start Rate | ($m^3/h$) | .198 |
| Stop Rate | ($m^3/h$) | .136 |
| Differential @ 100% Flow | (Pa) | 398 |
| Instrument Drive Rate | ($m^3/rev$) | 1.0 |
| LF Pulser (Optional) | ($m^3/pulse$) | 1.0 |

***Note: It should be noted, that moving parts in the meters with a greater rangeability ratio are made to high class accuracy and tight tolerances. Improper installation, stresses on piping system due to temperature changes, settling and gas conditions can create a risk of meter rejection.**

## CORRECTED FLOW CAPACITY AND TYPICAL ACCURACY GUIDE

| RM450 METER ($SM^3/H$) | |
|---|---|
| Gauge Pressure kPa 1.72 | RM450 Qmax = 450 $m^3/hr$ |
| 5 | 470.8 |
| 10 | 493.0 |
| 50 | 670.6 |
| 100 | 892.7 |
| 150 | 1114.7 |
| 200 | 1336.8 |
| 250 | 1558.8 |
| 300 | 1780.9 |
| 500 | 2669.1 |
| 750 | 3779.4 |
| 1000 | 4889.7 |
| 1100 | 5333.8 |
| 1200 | 5777.9 |

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