

Variable area flowmeter (rotameter) Application Information Sheet

Company name: _____ Contact name: _____
 Address: _____ Phone number: _____
 City, State, zip: _____ Email address: _____
 End user (destination): _____

General Information

Equipment tag # _____
 Piping information, Pipe size: _____ Material: _____
 Meter orientation, Vertical Flow direction from bottom to top (standard) Flow direction from top to bottom
 Horizontal Flow direction from left to right Flow direction from right to left

Process conditions

Medium name, _____ liquid state gas state
 Medium properties, Density _____ Sp. gravity _____ Viscosity _____
 Medium temperature, Normal _____ Minimum _____ Maximum _____ °F °C
 System pressure, Normal _____ Minimum _____ Maximum _____ psia psig bara barg
 Flow rate, Normal _____ Minimum _____ Maximum _____ units: _____
 Meter scale range, _____ to _____

Equipment specifications

Agency approvals, Without SIL1 certified SIL2 certified FDA approved
 FM IS (C1, D1) FM XP (C1, D1) FM NI (C1, D2) _____
 Accuracy class, 1.0% 1.6% 2.5% 4.0% 6.0%
 Measuring range, 10:1 100:1
 Cone material, SST glass PTFE lined Titanium Triament TFM/ ceramic
 Float material, SST Aluminum PTFE Titanium Ceramic Polypropylene
 Process connections, Size: _____ ASME 150# ASME 300# ASME 600# ASME 900# ASME 1500#
 Raised face inch NPT _____
 Pointer damping, Without yes
 Limit switch (s), Without 1-limit switch 2-limit switches describe: _____
 Integrated valve, Without bottom valve top valve (recommended for gas applications)
 dP pressure regulator, Without inlet location outlet location
 Output signal, No, local display only current output pulse output
 Communications, HART Profibus PA Foundation Fieldbus

Equipment tag # _____

Documentation
(QA/QC)

KROHNE standard (IOM + calibration certificate)

Certificate of compliance

Pressure test

Hardness test

Certified drawing (GA)

Leakage test + certificate

NACE MR0175

Construction drawing (GA) for approval

Inspection certificate 3.1

Confirmation of accuracy

Material test certification

Dye penetration test (PT)

5-point calibration certificate

Positive material identification (PMI)

Radiographic examination (RT)

10-point calibration certificate

Notes/ comments:

KROHNE Variable area (rotameters)

Metal measuring cone



H250 Series

- Accuracy class 1.6%
- SIL 2 compliant
- Totalizer
- 2-wire analog output 4-20mA HART
- Foundation Fieldbus or Profibus PA
- Food & Pharma compliant
- SST indicator housing option



H250 H/U/C/HT Special Series

- Accuracy class 2.5%
- Spring-loaded for horizontal or vertical flow down installation
- Increased measuring range 100:1
- PTFE or ceramic lined options
- High temperatures to 752°F
- High pressures to 43,000 psi



DK32 Series

- Accuracy class 4.0%
- liquids or gas service
- Integrated valve option
- dP regulator valve option



DK37 Series

- Accuracy class 2.5%
- liquid or gas service
- Integrated valve option
- dP regulator option
- 2 optional limit switches or mA analog output

Glass measuring cone



VA40 Series

- Accuracy class 1.0%
- Glass cone protected by metal
- Liquid or gas service
- Food & Pharma compliant
- 2 optional limit switches



VA45 Series

- Accuracy class 2.5%
- Glass cone protected by metal
- Gas service at low pressures
- Food & Pharma compliant



GA24 Series

- Accuracy class 1.0%
- Liquid or gas service
- 2 optional limit switches
- PTFE lined option



DK46,47,48 & 800 Series

- Accuracy 1% to 4%
- Integrated valve option
- dP regulator option