KROHNE

measure the facts

Variable Area Flowmeter (rotameter)

Application Information Form

Company name _____
Address _____
City, State, Zip _____
Contact _____
Phone number _____
Email address _____

End-user, destination _____
Reference:, project _____
_____
Equip. tag number (s) _____
_____
Reference quote # _____

Process conditions

Process fluid: _____ ☐ Liquid state ☐ Gas state

Properties

Density _____ *units* _____ Specific gravity _____
Viscosity _____ *units* _____ Molecular wt. _____

Temperture: *Min/ Norm/ Max* _____ / _____ / _____ ☐ °F ☐ °C
Pressure: *Min/ Norm/ Max* _____ / _____ / _____ ☐ psig ☐ _____
Flow rate: *Min/ Norm/ Max* _____ / _____ / _____ *units* _____

Piping details

Line size: _____
Schedule: _____
Material: _____

Comments/ Notes:
_____
_____

Glass measuring cone specifications

Instrument model
- ☐ DK800
- ☐ DK46
- ☐ DK47
- ☐ DK48
- ☐ GA24
- ☐ VA40
- ☐ VA45

Accuracy class
- ☐ 1.0%
- ☐ 2.5%
- ☐ 4.0%

Confirmation of accuracy
- ☐ without
- ☐ 5 pt. calibration
- ☐ 10 pt calibration
- ☐ Copy of calculations

Connection size: _____
- ☐ Threaded, NPT
- ☐ Triclover
- ☐ ASME 150# RF
- ☐ ASME 300# RF
- ☐ _____

Process connection material
- ☐ SST
- ☐ SST, PTFE lined
- ☐ PVDF
- ☐ Brass

Integral needle valve
- ☐ without
- ☐ top valve
- ☐ Bottom valve

Needle valve gasket
- ☐ FPM/PTFE
- ☐ PTFE
- ☐ FFKM

dP regulator
- ☐ without
- ☐ inlet location
- ☐ outlet location

Limit switch (s)
- ☐ without
- ☐ K1 min
- ☐ K1 max
- ☐ K2 min/max
- ☐ 1 x REED contact
- ☐ 2 x REED contacts

Switching function
- ☐ Monostable
- ☐ Bistable
- ☐ with Junction box
- ☐ with EMC filter

Switch amplifier
- ☐ without
- ☐ 115 VAC
- ☐ 230 VAC
- ☐ 24 VDC

Float material
- ☐ SST
- ☐ Hastelloy
- ☐ Polypropylene
- ☐ Aluminum
- ☐ PTFE

Media gasket
- ☐ FPM
- ☐ PTFE
- ☐ NBR
- ☐ FFKM
- ☐ PTFE/FFKM
- ☐ EPDM-FDA
- ☐ Neoprene

DK46, 47, 48 & 800

Borosilicate glass measuring cone

dP regulator

- 1.0, 2.5 & 4.0% accuracy
- Liquid flows to 160 l/h
- Gas flows to 5,000 l/h
- Integral needle valve
- 1/4" NPT, clamp, hose
- SST, PVDF, Brass fittings
- dP regulator valve option
- 2-optional limit switches

VA40

Borosilicate glass measuring cone protected by metal

- 1.0% accuracy
- Liquid flows to 10,000 l/h
- Gas flows to 310 m3/h
- 1/2" to 2" NPT, ASME, hose
- SST or PVDF fittings
- 2-optional limit switches

VA45

Borosilicate glass measuring cone protected by metal

- 2.5% accuracy
- Gas flows to 60,000 l/h
- 1/2" to 1" NPT, ASME, hose
- SST fittings

GA24

Borosilicate glass measuring cone protected by metal

- 1.0% accuracy
- Liquid flows to 10,000 l/h
- Gas flows to 310 m3/h
- 1/2" to 2" ASME
- 2-optional limit switches
- PTFE lined version

KROHNE

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Metal measuring cone specifications

Instrument model
- ☐ H250
- ☐ DK37
- ☐ DK32
- ☐ DK34

Meter orientation
- ☐ Vertical, flow up (standard)
- ☐ Vertical, flow dow
- ☐ Horizontal, flow right to left
- ☐ Horizontal, flow left to right

Wetted material
- ☐ 316L
- ☐ Hastelloy
- ☐ Titanium
- ☐ Inconel 625
- ☐ Monel 500
- ☐ TFM/ ceramic
- ☐ Ceramic
- ☐ PTFE
- ☐ PEEK

Process connection size: _____
- ☐ Threaded, NPT
- ☐ Triclamp
- ☐ Sanitary
- ☐ Aseptic
- ☐ 63-125 AARH
- ☐ 125-250 AARH
- ☐ Smooth finish
- ☐ _____
- ☐ ASME 150# RF
- ☐ ASME 300# RF
- ☐ ASME 600# RF
- ☐ ASME 900# RF
- ☐ ASME 1500# RF

Integral needle valve
- ☐ without
- ☐ Bottom valve
- ☐ Top valve

dP regulator valve
- ☐ without
- ☐ inlet location
- ☐ outlet location

Measuring range
- ☐ 10:1 (std)
- ☐ 100:1 (H250U)

Indicator display
- ☐ Standard
- ☐ Die-cast Aluminum
- ☐ 2-layer coating
- ☐ 316 SST
- ☐ PPS
- ☐ LCD display + totalizer

Limit switch (s)
- ☐ without
- ☐ K1 min
- ☐ K1 max
- ☐ K2 min/max
- ☐ 1 x REED contact
- ☐ 2 x REED contacts

Switch amplifier
- ☐ without
- ☐ 24 VDC
- ☐ 115 VAC
- ☐ 230 VAC

Output signal
- ☐ without
- ☐ Current
- ☐ Pulse

Communications
- ☐ HART
- ☐ Profibus
- ☐ Foundation Fieldbus

Agency approvals
- ☐ SIL 1
- ☐ SIL 2
- ☐ FDA

Hazardous area approvals
- ☐ FM IS (Class 1,Div 1)
- ☐ FM XP (Class 1,Div 1)
- ☐ FM NI (Class 1,Div 2)
- ☐ _____

Documentation (QA/QC)
- ☐ KROHNE standard IOM
- ☐ Certificate of compliance
- ☐ Confirmation of accuracy
- ☐ 5-point calibration certificate
- ☐ 10-point calibration certificate
- ☐ MTR's
- ☐ PMI
- ☐ NACE MR0175
- ☐ Radiographic examination (RT)
- ☐ Dye penetrant test (PT)
- ☐ Pressure/ leakage test
- ☐ Cleaning examination
- ☐ Hardness test

H250 series
The New Standard Solution

- 1.6% accuracy (2.5% specials)
- Liquid flows to 120,000 l/h
- Gas flows to 2,800 m3/hr
- Temperatures to 752 F
- Pressures to 43,000 psi
- 1/2" to 6" connections
- HART, Foundation Fieldbus, Profibus
- 2-wire technology
- 2-optional limit switches

LCD display + totalizer

SST display

Food & Beverage

H250 Specials

Reverse flows (flow down)

Horizontal flows

Increased range 100:1

PTFE lined

DK37 M8M

Mechanical version

DK37 M8E

Electrical version

dP regulator

- 2.5% accuracy class
- 1/4" to 1" connections
- Integral needle valve option
- 2-optional limit switches
- dP regulator valve option

DK34

Top/ bottom ports
No valve option

DK32

Rear ports
Inlet/ outlet valve option

dP regulator

- 4.0% accuracy class
- Liquid flows to 150 l/h
- Gas flows to 4,800 l/h
- 1/4" to 1" connections
- Integral needle valve option
- 2-optional limit switches
- dP regulator valve option