



NBK Application Guide

Rev 05/04/22

General Information

Contact Name: _____

Date: _____

Company Name: _____

Part Number: _____

Phone: _____

Number of Pieces Required: _____

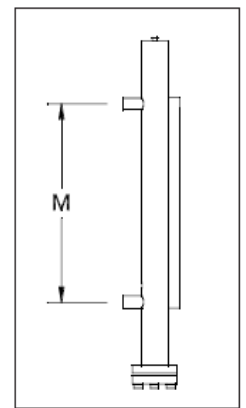
Email: _____

Quote Number (if already quoted): _____

This has not been quoted yet and pricing is required.

Design Conditions (Accurate process information is essential to ensure proper operation of your level indicator. Please fill out accurately and completely)

1. Pressure: Normal _____ PSIG Maximum _____ PSIG
2. Temperature: Normal _____ °F Maximum _____ °F
3. Type of Liquid: _____
4. Liquid Specific Gravity at Normal Operating Temp: _____ Maximum Temp: _____
5. Liquid Viscosity at Normal Operating Temp: _____



Mounting Configuration

1. Measuring Length M: _____ Inches cm (M=center to center length between fittings)
2. Fitting Size: 1/2" 3/4" 1" 1-1/4" 1-1/2" 2"
3. Fitting Type: NPT Thread (1-1/4" max) 150 LB ANSI Flange 300 LB ANSI Flange
400 LB ANSI Flange 600 LB ANSI FLANGE Other (specify): _____

Options - Indicator

- Polypropylene Roller (250°F max. temp.) Suffix -RP Ceramic Roller (750°F max. temp.) Suffix -RK
- Ball Display with Plexiglas Sight Tube (max. temp. 175°F) Suffix -KP
- Ball Display with Makrolon® Sight Tube (max. temp. 250°F) Suffix -KM
- Ball Display with Makrolon® Sight Tube with Oil Filling (max. temp. 250°F) Suffix -KP
- Ball Display with Borosilicate Glass Sight Tube (max. temp. 390°F) Suffix -KG

Options - Transmitter

- Magnetostrictive Probe (4...20mA, 4-wire) Suffix -T Reed Chain (0.7...7kΩ) Suffix -W
- Reed Chain (4...20mA, 2-wire) Suffix -M Reed Chain (4...20mA, 2-wire with HART®) Suffix -H
- Reed Chain (PROFIBUS® PA FOUNDATION™ Fieldbus) Suffix -F

Options - Switch

- NBK-R (212°F max temp) Qty: _____ NBK-RT200 (390°F max temp) Qty: _____
- NBK-RT400 (750°F max temp) Qty: _____
- NBK-RV200NO (390°F max temp) Qty: _____ NBK-RN200NO (390°F max temp) Qty: _____
- NBK-RV200NC (390°F max temp) Qty: _____ NBK-RN200NC (390°F max temp) Qty: _____

Options - Top Bypass Tube Connections

- Without Vent Plug (for NBK-03/06/07, standard for NBK-10/31/32) Suffix -V0
- With Vent Plug (for NBK-10/31/32, standard for NBK-03/06/07) Suffix -VN
- Flange Connection 2" ASME (pressure rating same as the process flange) Suffix -VA
- Flange Connection DIN (pressure rating same as the process flange) with vent plug ½" NPT Suffix -VJ
- Vent Flange 1/2" ASME (pressure rating same as the process flange, NBK-03/06 only) Suffix -V7
- Vent Flange 3/4" ASME (pressure rating same as the process flange, NBK-03/06 only) Suffix -V8
- Vent Flange 1" ASME (pressure rating same as the process flange, NBK-03/06 only) Suffix -V9
- Vent Valve (1/2" NPT max temp 250 °F, NBK-03/06 only) Suffix -V2

Options - Bottom Bypass Tube Connections

- Without Drain Plug (for NBK-03/06/07, standard for NBK-10/31/32) Suffix -D0
- With Drain Plug (for NBK-10/31/32, standard for NBK-03/06/07) Suffix -DN
- Flange Connection 2" ASME with Drain Plug 1/2" NPT (pressure rating same as the process flange) Suffix -DA
- Flange Connection 2" ASME without Drain Plug (pressure rating same as the process flange) Suffix -DD
- Drain Flange 1/2" ASME (pressure rating same as the process flange, NBK-03/06 only) Suffix -E7
- Drain Flange 3/4" ASME (pressure rating same as the process flange, NBK-03/06 only) Suffix -E8
- Drain Flange 1" ASME (pressure rating same as the process flange, NBK-03/06 only) Suffix -E9
- Drain Valve (1/2" NPT max temp 250 °F, NBK-03/06 only) Suffix -F2
- Drain Valve Horizontal Mount (1/2" NPT max temp 250 °F, NBK-03/06 only) Suffix -D2

Options - Process Connections

- 1x Process Connection Side, 1x Process Connection Vertical on the Top (NBK-03/06/07/10 only) Suffix -ST
- 1x Process Connection Side, 1x Process Connection Vertical on the Bottom (NBK-03/06/07/10 only) Suffix -TS
- 2x Process Connections Vertical (NBK-03/06/07/10 only, up to 1") Suffix -TT

Options - Scales (ball indicators are always delivered with scales) (specify units: inches or cm, & mounting: left or right side of the indicating rollers)

- Laser Etched Aluminum (-40...300 °F media temperature) Suffix -M2 Specify: Inches cm
- Engraved Aluminum (-40...750 °F media temperature) Suffix -M1 Specify: Left Right
- Scale Made of 304 Stainless Steel (only with ball display option KP/KM/KF, standard on KG) Suffix -MV

Options - Heat Jacket (ASME Class 300 lb Flanges upon request)

- Heat Jacket 1/2" ASME 150 lb (NBK-03/06/07/10 only) Suffix -LA
- Heat Jacket 3/4" ASME 150 lb (NBK-03/06/07/10 only) Suffix -LB
- Heat Jacket 1" ASME 150 lb (NBK-03/06/07/10 only) Suffix -LC
- Heat Jacket 1-1/4" ASME 150 lb (NBK-03/06/07/10 only) Suffix -LD

Options - Electrical Outputs

Option M with Junction Box at Bottom, Suffix -MU

Option M with Heat Shield & Junction Box at 4" Distance (Max. Temp. 570°F) Suffix -MS

Option M with Heat Shield & Junction Box with 16.4' Silicone Cable (Max. Temp. 750°F) Suffix -MK

Options - Display

Aluminum Housing with LED Display, Bottom Connection (only with transmitter option A) Suffix -AE

Aluminum Housing with LCD Display, Bottom Connection (only with transmitter option A) Suffix -AC

Aluminum Housing with LED Display, Bottom Connection (only with transmitter option H) Suffix -HE

Aluminum Housing with LCD Display, Bottom Connection (only with transmitter option H) Suffix -HC

Indicating Unit ADI-1 with Bargraph & Digital Display (only with transmitter options T or M), Suffix -C

Options - Additional

Connection Flange for multi-part design (split roller/split scale, not possible with transmitter) Suffix -A

Bracing Plate Centered Between Process Connections (required for lengths above 16.4') Suffix -HL

Bracing Flange Centered Between Process Connections (required for lengths above 16.4') Suffix -HF

Armaflex-insulation (heat coefficient 0.025 kcal/m °C, to 220°F) Suffix -K

Tests/Certificates

Radiographic Examination (DIN 54 111 T1) Suffix -P

Dye Penetration Test (DIN EN 571-1) Suffix -Q

Pressure Test with Water (1.5x Flange Class Rating) Suffix -X

3.1 Inspection Certificate per EN 10204 Suffix -Z

Material Certification (acc. NACE MR 0103/ISO 15156 (MR0175), declaration of conformance) Suffix -MR

Positive Material Identification (PMI) Suffix -WV

Oil and Grease Free, Suffix -SF

Other Options / Custom Configurations / Special Requirements: