



NBK Application Guide

Rev 03/19/2026

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

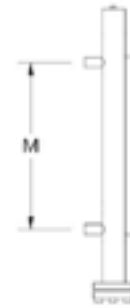
1. Pressure: Nominal: _____ PSIG Maximum: _____ PSIG

2. Temperature: Nominal: _____ °F Maximum: _____ °F

3. Liquid Type: _____

4. Liquid Specific Gravity: At Operating Temperature: _____ Maximum Temp: _____

5. Liquid Viscosity: At Operating Temperature: _____



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 (only up to 1-1/4") 150 LB ANSI Flange 300 LB ANSI Flange
400 LB ANSI Flange 600 LB ANSI FLange Other: _____

Options - Indicator

POM Roller (250 °F Max - Option "RP") Ceramic Roller (750 °F Max - Option "RK")

Ball Display with Plexiglass Sight Tube (Max 175 °F - Option "KP")

Ball Display with Makrolon® Sight Tube (Max. 250 °F - Option "KM")

Ball Display with Makrolon® Sight Tube with Oil Filling (Max 250 °F - Option "KF")

Ball Display with Borosilicate Glass Sight Tube (Max 390 °F - Option "KG")

Options - Transmitter

Without (Option "0")

Reed Chain with 4...20 mA, 2-wire with AE/AC (Option "A")

Reed Chain with 4...20 mA, 2-wire (Option "M")

Reed Chain with 4...20 mA, 2-wire with HART® (Option "H")

Reed Chain with 0.7...7 kΩ (Option "W")

Magnetostrictive Probe with 4...20 mA, 4-wire (Option "T")

Guided Wave Radar (Model NGM)

Transmitter Location (Skip if transmitter Option "0" is selected)

Top Mount Housing (Default)	OR	Bottom Mount Housing (Option "MU")
Left Side (Default)	----- AND -----	Right Side
	OR	

Option - Switches

NBK-R (Max 212 °F) Qty: _____

NBK-RV200NO (Max 390 °F) Qty: _____

NBK-NBK-RV200NC (Max 390 °F) Qty: _____

NBK-RN200NO (Max 390 °F) Qty: _____

NBK-RN200NC (Max 390 °F) Qty: _____

NBK-RS1UXX (Max. Temp. 248 °F)

XX = "03" (3m Cable) XX = "06" (6m Cable) XX = "10" (10m Cable)

NBK-RH1UXX (Max. Temp. 662 °F)

XX = "03" (3m Cable) XX = "06" (6m Cable) XX = "10" (10m Cable)

Options - Top Bypass Tube Connections

Without Vent Plug (for NBK-03/06/07, standard for NBK-10/31/32) - Option "V0"

With Vent Plug (for NBK-10/31/32, standard for NBK-03/06/07) - Option "VG"

Flange Connection 2" ASME (pressure rating same as the process flange) - Option "VA"

Flange Connection DIN (pressure rating same as the process flange) with 1/2" NPT vent plug - Option "VJ"

Vent Flange 1/2" ASME (pressure rating the same as the process flange, NBK-03/06 only) - Option "V7"

Vent Flange 3/4" ASME (pressure rating the same as the process flange, NBK-03/06 only) - Option "V8"

Vent Flange 1" ASME (pressure rating the same as the process flange, NBK-03/06 only) - Option "V9"

Vent Valve (1/2" NPT, Max Temp 250 °F, NBK-03/06 only) - Option "V2"

Options - Bottom Bypass Tube Connections

Without Drain Plug (for NBK-03/06/07, standard for NBK-10/31/32) - Option "D0"

With Drain Plug (for NBK-10/31/32, standard for NBK-03/06/07) - Options "DG"

Flange Connection 2" ASME with Drain Plug 1/2" NPT (pressure rating same as process flange) - Option "DA"

Flange Connection 2" ASME without Drain Plug (pressure rating same as process flange) - Option "DD"

Drain Flange 1/2" ASME (pressure rating same as process flange, NBK-03/06 only) - Option "E7"

Drain Flange 3/4" ASME (pressure rating same as process flange, NBK-03/06 only) - Option "E8"

Drain Flange 1" ASME (pressure rating same as process flange, NBK-03/06 only) - Option "E9"

Drain Valve (1/2" NPT Max 250 °F, NBK-03/06 only) - Option "F2"

Drain Valve Horizontal Mount (1/2" NPT, Max 250 °F, NBK-03/06 only) - Option "D2"

Options - Process Connections

1x Process Connection Side, 1x Process Connection Vertical on the Top (NBK-03/06/07/10) - Option "ST"

1x Process Connection Side, 1x Process Connection Vertical on the Bottom (NBK-03/06/07/10) - Option "TS"

2x Process Connections Vertical (NBK-03/06/07/10 only, up to 1") - Option "TT"

Options - Scales (ball indicators are always delivered with scales - specify units: inches or cm, & mounting: left or right side of the indicating rollers. Scale must be specified opposite of the transmitter location, if applicable)

Printed Scale with UV Protectant on Aluminum (-40...300 °F Media Temp) - Option "M2" inches cm

Engraved Aluminum (-40...750 °F Media Temp) - Option "M1" Right (default) Left

Scale made of 304 Stainless Steel (only with ball display option KP/KM/KF, standard on KG) - Option "MV"

Options - Heat Jacket

Heat Jacket - 1/2" ASME 150 LB (NBK-03/06/07/10 only) - Option "LA"

Heat Jacket - 3/4" ASME 150 LB (NBK-03/06/07/10 only) - Option "LB"

Heat Jacket - 1" ASME 150 LB (NBK-03/06/07/10 only) - Option "LC"

Heat Jacket - 1-1/4" ASME 150 LB (NBK-03/06/07/10 only) - Option "LD"

Options - Electrical Output

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

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

Options - Display

Aluminum Housing with LED Display, Bottom Connection (only with Transmitter Option "A") - Option "AE"

Aluminum Housing with LCD Display, Bottom Connection (only with Transmitter Option "A") - Option "AC"

Aluminum Housing with LED Display, Bottom Connection (only with Transmitter Option "H") - Option "HE"

Aluminum Housing with LCD Display, Bottom Connection (only with Transmitter Option "H") - Option "HC"

Options - Additional

Connection Flange for Multi-part Design (split roller/split scale, not possible with transmitter) - Option "A"

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

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

Armaflex Insulation (heat coefficient 0.025 kcal/m °C, to 220 °F) - Option "K"

Tests/Certificates

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

3.1 Inspection Certificate per EN 10204 - Option "Z"

Oil and Grease Free - Option "SF"

Other Options / Custom Configurations / Special Requirements

NBK Purchasing Process

In order to provide you with the correct and most cost-effective NBK, our technical team at KOBOLD will partner with you in building your NBK. NBKs are highly customizable, have critical nuances that are easy to overlook, and are built to order. After submission of this form, one of our engineers will contact you to schedule a consultation. If you are a distributor or reseller, please consider including any end-users in that consultation who will be part of the design and installation. This will shorten the purchasing process and ensure that nothing is overlooked along the various stakeholders in the supply chain. If you require immediate assistance or have any questions, please contact our engineering team at 412-788-2830. Please email this form to info@koboldusa.com.