



WelMix™ Pipeline Dynamic Mixing System Worksheet

Please complete as much of the below as possible.
Any missing information can be discussed with Welker engineering during system design review.

General Information

Company Name _____ Contact Person _____
Email _____ Phone _____ Project Name/ID _____
Installation Site _____ Required Delivery Date _____

Pipeline Information

Pipeline Product Type Crude Oil Refined Product Condensate Other _____

Pipeline Diameter _____ in mm Pipeline Wall Thickness _____ in mm

Nominal Pipe Size _____ in mm Pipe Schedule _____ in mm

Operating Pressure Range

Min _____ psig barg
Max _____ psig barg

Operating Temperature Range

Min _____ °C °F
Max _____ °C °F

Flow Rate Range

Min _____ bbl/hr m³/hr
Normal _____ bbl/hr m³/hr
Max _____ bbl/hr m³/hr

Flow Direction

Single
Bi-Directional

Pipeline Orientation

Horizontal
Vertical
Inclined

Pipeline Material of Construction

Design Temperature

_____ °C °F

Design Pressure

_____ psig barg

Fluid Properties

Density

Min _____ kg/m³
Normal _____ kg/m³
Max _____ kg/m³

Viscosity

Min _____ kg/m³
Normal _____ kg/m³
Max _____ kg/m³

API Gravity (if crude)

Water Content (%)

Sulfur Content (wt %)

Presence of Solids/Contaminants

No Yes

If Yes, Please Explain:

Application Objectives

Purpose of Mixing Homogenization Additive Distribution Sampling Custody Transfer Other _____

Mixing Performance Requirement _____

Sampling Location Relative to Mixer Upstream Downstream Distance _____

Installation Details

Mixer Probe (2x) Installation Orientation Top Entry Bottom Entry

Probe Installation Type _____ Probe Class/ANSI _____

Accessibility Below Pipeline Above Pipeline Space Constraints No Yes Dimensions _____

Ambient Conditions (*temperature, environment—onshore/offshore, desert, arctic, marine, etc.*) _____

Utilities

Electrical Single Phase _____ Electrical 3 Phase _____

Electrical DC Voltage _____ Instrument Air Pressure _____

Standards & Compliance

Applicable Design Codes _____

Area Classification Requirements _____

Ingress Protection _____

Customer Quality/Safety Requirements _____

Additional Notes

Special Considerations (*maintenance access, pigging requirements, bypass arrangement, redundancy, documentation, testing, etc.*)

Supporting Documents Available (*P&ID, process datasheet, fluid analysis, etc.*)