

pH in Glass Lined Reactor

Industry: Bioscience
Product: pH

Introduction

In Bioscience company's pH is used at various places including glass lined reactor for product efficiency. One of such measurement of pH in reactor as explained below.

Application Information

Typical example of process is: (Figure 1)
Reactor used is GLASS LINED REACTOR and length is 1950mm; and flange size 100mm split flange with 8 holes PCB (fixing hole center to center) 190mm; flange outer to outer 225mm; flange extension pipe (Nozzle) ID 95mm.

Nature of fluid: Aqueous media
Operating temp & pressure: 30°C temp & atmosphere pressure
Area classification - Example Zone 1 / Zone 2 Nozzle ID: 95mm.

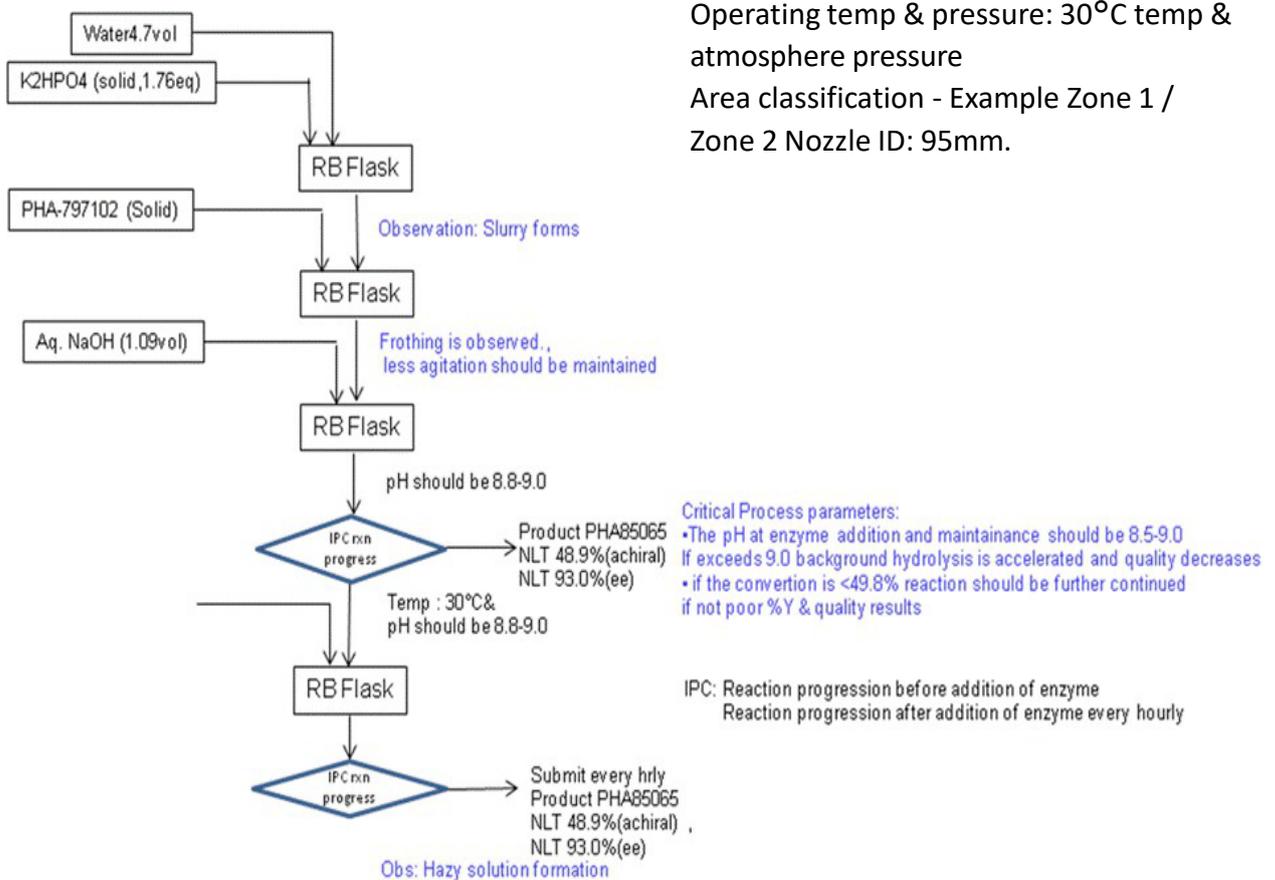


Figure 1: Typical portion of process flow chart

Product Recommendations

Sensor Selection: Hamilton® POLILYTE HTVP

Features:

- Best measurement accuracy both in high-alkali processes and in samples with very low conductivity.
- Sterilizable and autoclavable
- SINGLE PORE's for clog-free contact of electrolyte with measurement medium
- HAMILTON "H" pH glass
- Serialized with batch number



Type: 2 wire type

Features

- Dual sensor measurement on 2-wire type analyzer;

Tangible benefit: More reliable and accurate analysis of pH which helps to improve end product quality.

Sensor Accessories:

- 5 mtrs Cable, Model No.: WU10-V-S-05 ,
- Immersion sensor fitting (Customised): 1900 mm Length, 4" Flange Connection with 8 holes PCB (fixing hole centre to centre) 190 mm; flange outer to outer 225 mm; pipe (Nozzle) ID95mm. MOC : PTFE.

Analyzer/Transmitter Selection: FLXA202/FLXA21 with intrinsic safe version; 2-wire pH transmitter

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