

Process assembly Unifit CPA842

Hygienic assembly for the life sciences, food & beverage industries



More information and current pricing:

www.de.endress.com/CPA842

Benefits:

- Hygienic design according to EHEDG class I, 3-A standard 74-05, FDA, ASME BPE and USP 88 class VI avoids cross-contamination
- No contamination thanks to leak-tight, built-in electrode seal
- Less build-up of residues thanks to electropolished surface ($Ra=0.38\ \mu\text{m}$ or $0.76\ \mu\text{m}$)
- Suitable for cleaning-in-place (CIP) and sterilization-in-place (SIP)
- Flexible adaptation to all applications by various hygienic process connections

Specs at a glance

- **Process temperature** -15 to 140 °C (5 to 280 °F)
- **Process pressure** 16 bar up to 140 °C (232 psi up to 284 °F)

Field of application: The Unifit CPA842 process assembly meets highest requirements concerning inline cleaning and sterilization. It allows the easy installation of pH/ORP, oxygen, conductivity or cell growth sensors into tanks and pipelines of hygienic and sterile applications. Unifit is designed according to EHEDG, 3-A, ASME BPE, FDA and USP 88 class VI.

Features and specifications

pH

Measuring principle

Potentiometric

Application

Food & Beverage, Life Science, Process

pH

Installation

Fixed installation assembly

Characteristic

Open and closed tank, piping

Design

Hygienic assembly with corresponding process connections

12 mm electrodes

Optional with protection guard

Optional with leakage control

Material

Holder: stainless steel 1.4404

Seals: EPDM, FKM, FFKM, all seals are FDA conform, USP Class VI

Dimension

Immersion depth: 29.5 to 86.5 mm (1.16 to 3.4 inch)

Process temperature

-15 to 140 °C (5 to 280 °F)

Process pressure

16 bar up to 140 °C (232 psi up to 284 °F)

Connection

DN25 standard, DN25 B.Braun, Clamp 1.5" (short and long), Clamp 1.5" angled at 15°, Clamp 2", Varivent flange N, dairy fitting DN50

ORP / Redox

Measuring principle

Sensor ORP /

Redox

Conductivity

Measuring principle

Sensor ORP /
Redox

Oxygen

Measuring principle

Amperometric oxygen
measurement

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