Process assembly
Unifit CPA842

Hygienic assembly for the life sciences, food & beverage industries

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 µm or 0.76 µm)
- 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

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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

More information [www.us.endress.com/CPA842](http://www.us.endress.com/CPA842)