

## Process assembly Unifit CPA442

Hygienic assembly for the life sciences, food & beverage industries



More information and current pricing:

[www.be.endress.com/CPA442](http://www.be.endress.com/CPA442)

### Benefits:

- Certified hygienic design: Complies with 3A standard 74-05 and the criteria of EHEDG Class I
- No contamination thanks to leak-tight, built-in electrode seal (molded seal)
- Electropolished surface prevents build-up of residues (Ra=0.38 µm or 0.76 µm)
- Suitable for CIP and SIP
- Flexible adaptation to all applications by various hygienic process connections and flanges

### Specs at a glance

- **Process temperature** max. 140°C
- **Process pressure** max. 10bar

**Field of application:** The Unifit CPA442 process assembly is the simple solution for pH/ORP or oxygen measurement in tanks and pipelines of hygienic and sterile applications. Unifit is designed for inline cleaning and sterilization according to EHEDG and 3A criteria. You can be absolutely sure that your high-quality products are never contaminated but always completely safe.

## Features and specifications

ORP / Redox

### Measuring principle

Sensor ORP / Redox

## ORP / Redox

**Application**

Process, Food, Pharmaceuticals

**Installation**

Fixed installation assembly

**Characteristic**

Open and closed tank, piping.

**Design**

- Hygienic holder with corresponding process connections.- 120mm electrodes- Optional with protection guard- Optional with leakage control

**Material**

Holder : Stainless steel  
Sealing : different materials available (FDA conformable)

**Dimension**

10 - 86mm

**Process temperature**

max. 140°C

**Process pressure**

max. 10bar

**Connection**

DN25 thread adapter nut, Triclamp, Varivent, APV, dairy fitting DN50, Neumo Bi°Control.

**Additional certifications**

- Material certification 3.1.B EN 10204- 3A / EHEDG (steam sterilisability + cleanability)

## pH

**Measuring principle**

Potentiometric

pH

**Application**

Process, food, pharmaceuticals

**Installation**

Fixed installation assembly

**Characteristic**

Open and closed tank, piping.

**Design**

- Hygienic assembly with corresponding process connections - 120 mm electrodes - optional with protection guard - optional with leakage control

**Material**

Holder: stainless steel sealing : different materials available (FDA conform)

**Dimension**

10 - 86 mm  
(0.39 - 3.47 inch)

**Process temperature**

max. 140°C  
(284°F)

**Process pressure**

max. 10 bar  
(145 psi)

**Connection**

DN25 thread adapter nut, Triclamp, Varivent, APV, dairy fitting DN50, Neumo Bi°Control.

**Additional certifications**

- Material certification 3.1.B EN 10204- 3A / EHEDG (steam sterilisability + cleanability)- Surface roughness Ra<0,8 (0,4).

## Oxygen

**Measuring principle**

Amperometric oxygen measurement

**Application**

Process, Food, Pharmaceuticals

**Characteristic**

Open and closed tank, piping. Fixed installation assembly

**Design**

- Hygienic holder with corresponding process connections.- Optional with protection guard- Optional with leakage control

**Material**

Holder : Stainless steel  
Sealing : different materials available (FDA conformable)

**Dimension**

10 - 86mm  
(0.39 - 3.47inch)

**Process temperature**

max. 140°C  
(284°F)

**Process pressure**

max. 10bar  
(145psi)

**Connection**

DN25 thread adapter nut, Triclamp, Varivent, APV, dairy fitting DN50, Neumo Bi°Control.

**Additional certifications**

- Material certification 3.1.B EN 10204- 3A / EHEDG (steam sterilisability + cleanability)- Surface roughness Ra<0,8 (0,4).

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