

Process assembly Unifit CPA442

Hygienic assembly for the life sciences, food & beverage industries



More information and current pricing:

www.casc.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
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