

# Handmatig of automatisch terugtrekbare armatuur Cleanfit CPA871

Flexibele procesarmatuur voor de water- en afvalwaterindustrie en de chemische industrie



Meer informatie en actuele prijzen:

[www.be.endress.com/CPA871](http://www.be.endress.com/CPA871)

## Voordelen:

- Optimale operationele veiligheid: intelligente functies voorkomen dat de armatuur in het proces beweegt zonder sensor en dat de sensor uit het proces beweegt terwijl deze in meetpositie is.
- Geschikt voor veeleisende toepassingen: de optionele dompelkamer voorkomt problemen bij kleverige media.
- Robuust ontwerp: de stalen behuizing garandeert mechanische stevigheid.
- Flexibele aanpassing aan uw proces: een grote verscheidenheid aan procesaansluitingen en natte materialen is beschikbaar, zelfs voor corrosieve media of gevaarlijke omgevingen.

## Overzicht specificaties

- **Process temperature** -10 to 140 °C (14 to 284 °F) for all materials except PVDF and conductive PVDF -10 to 100 / 90 °C (14 to 212 / 194 °F) for PVDF and conductive PVDF materials
- **Process pressure** Stainless steel, Alloy C22, PEEK: 16 bar up to 140 °C (232 psi up to 284 °F) PVDF, conductive PVDF: Basic version: 16 bar up to 100 °C (232 psi up to 212 °F) Immersion chamber version: 4 bar to 90 °C (58 psi up to 194 °F)

**Toepassingsgebied:** De Cleanfit CPA871 garandeert een optimale operationele veiligheid in zowel standaard- als veeleisende toepassingen. De intelligente functies voorkomen mediumlekkage tijdens de werking, reiniging of kalibratie en bieden zo een optimale bescherming van het proces en het bedieningspersoneel. De terugtrekbare armatuur is geschikt voor de meest uiteenlopende toepassingen. Of het nu gaat om grote onderdompeldieptes in kleverige media, agressieve omgevingen of

gevaarlijke gebieden, u kiest het juiste materiaal en de juiste specificatie voor uw toepassing.

## Kenmerken en specificaties

pH

### Meetprincipe

Potentiometric

### Application

Water and wastewater including sea water, chemical industry, oil and gas, electricity and energy, hazardous areas, primaries and metals

### Installation

Retractable process assembly

### Characteristic

Open and closed tanks, piping

### Design

Robust and safe style  
Manual or pneumatic

### Material

Seals: EPDM, FPM (Viton) or FFKM  
Immersion tube, process connection, service chamber: Stainless steel  
1.4404 Ra < 0.76, PEEK,  
Alloy C22 Ra < 0.76, PVDF, conductive PVDF

### Dimension

Immersion depth: 32.2 to 188.6 mm (1.27 to 7.40 inch), depending on process adaption

### Process temperature

-10 to 140 °C (14 to 284 °F) for all materials except PVDF and conductive PVDF  
-10 to 100 / 90 °C (14 to 212 / 194 °F) for PVDF and conductive PVDF materials

---

## pH

**Process pressure**

Stainless steel, Alloy C22, PEEK:

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

PVDF, conductive PVDF:

Basic version: 16 bar up to 100 °C (232 psi up to 212 °F)

Immersion chamber version:

4 bar to 90 °C (58 psi up to 194 °F)

---

**Connection**

Clamp 2", ISO2852, ASME BPE-2012, Clamp 2½", Flange DN 40, DN50, DN65, DN80, EN1092-1, ASME B16.5, 10K50, JIS B2220, 10K80, Thread NPT 1½", Thread ISO 228 G1¼

---

## Conductivity

**Meetprincipe**

Potentiometric

---

**Application**

Water and wastewater including sea water, chemical industry, oil and gas, electricity and energy, hazardous areas, mining, minerals & metals

---

**Installation**

Retractable process assembly

---

**Characteristic**

Open and closed tanks, piping

---

**Design**

Robust and safe style

Manual or pneumatic

---

**Material**

Seals: EPDM, FPM (Viton) or FFKM

Immersion tube, process connection, service chamber: Stainless steel

1.4404 Ra < 0.76, PEEK,

Alloy C22 Ra < 0.76, PVDF, conductive PVDF

---

## Conductivity

### Dimension

Immersion depth: 32.2 to 188.6 mm (1.27 to 7.40 inch), depending on process adaption

### Process temperature

-10 to 140 °C (14 to 284 °F) for all materials except PVDF and conductive PVDF

-10 to 100 / 90 °C (14 to 212 / 194 °F) for PVDF and conductive PVDF materials

### Process pressure

Stainless steel, Alloy C22, PEEK:

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

PVDF, conductive PVDF:

Basic version: 16 bar up to 100 °C (232 psi up to 212 °F)

Immersion chamber version:

4 bar to 90 °C (58 psi up to 194 °F)

### Connection

Clamp 2", ISO2852, ASME BPE-2012, Clamp 2½", Flange DN 40, DN50, DN65, DN80, EN1092-1, ASME B16.5, 10K50, JIS B2220, 10K80, Thread NPT 1½", Thread ISO 228 G1¼

## Oxygen

### Meetprincipe

Amperometric oxygen measurement

### Application

Water and wastewater including sea water, chemical industry, oil and gas, electricity and energy, hazardous areas, mining, minerals & metals

### Installation

Retractable process assembly

### Characteristic

Open and closed tanks, piping

## Oxygen

### Design

Robust and safe style  
Manual or pneumatic

---

### Material

Seals: EPDM, FPM (Viton) or FFKM  
Immersion tube, process connection, service chamber: Stainless steel  
1.4404 Ra < 0.76, PEEK,  
Alloy C22 Ra < 0.76, PVDF, conductive PVDF

---

### Dimension

Immersion depth: 32.2 to 188.6 mm (1.27 to 7.40 inch), depending on process adaption

---

### Process temperature

-10 to 140 °C (14 to 284 °F) for all materials except PVDF and conductive PVDF  
-10 to 100 / 90 °C (14 to 212 / 194 °F) for PVDF and conductive PVDF materials

---

### Process pressure

Stainless steel, Alloy C22, PEEK:  
16 bar up to 140 °C (232 psi up to 284 °F)  
PVDF, conductive PVDF:  
Basic version: 16 bar up to 100 °C (232 psi up to 212 °F)  
Immersion chamber version:  
4 bar to 90 °C (58 psi up to 194 °F)

---

### Connection

Clamp 2", ISO2852, ASME BPE-2012, Clamp 2½", Flange DN 40, DN50, DIN65, DN80, EN1092-1, ASME B16.5, 10K50, JIS B2220, 10K80, Thread NPT 1½", Thread ISO 228 G1¼

---

Meer informatie [www.be.endress.com/CPA871](http://www.be.endress.com/CPA871)