

# Manual retractable assembly Cleanfit CPA450

Basic assembly for the water & wastewater, chemical, pulp & paper and power industries



## Benefits:

- No process interruption for electrode cleaning and calibration – saves maintenance time and costs
- High operating safety through reliable separation from process by ball valve made of stainless steel
- Variable immersion depth up to 700 mm
- Flexible adaptation to all applications by great variety of materials and process connections

## Specs at a glance

- **Process temperature** -15 to 130 °C (5 to 266 °F)
- **Process pressure** Max. 12 bar at 100 °C (175 psi at 212 °F)

More information and current pricing:

[www.endress.com/CPA450](http://www.endress.com/CPA450)

**Field of application:** The manual Cleanfit CPA450 is the first step into the world of retractable assemblies. It is designed for installation in thick-walled tanks or large pipes and copes with fibrous or coating media. CPA450 features a ball valve which seals off the process reliably, making sensor handling extremely easy. It is no longer necessary to interrupt the process or empty a tank for sensor service or replacement.

## Features and specifications

pH

### Measuring principle

Potentiometric

### Application

Power stations, chemical industry, industrial water treatment, supply technology

## pH

**Installation**

Manually retractable assembly

**Characteristic**

Open and closed tank, piping

**Design**

Manually retractable assembly for 120 mm electrodes, rinse chamber connection G1/4"

**Material**

Immersion tube: stainless steel 1.4404, Alloy C22, titanium 3.7035  
O-rings: EPDM, Viton or Kalrez

**Dimension**

Immersion depth: up to 700 mm (27.56 inch)

**Process temperature**

-15 to 130 °C (5 to 266 °F)

**Process pressure**

Max. 12 bar at 100 °C (175 psi at 212 °F)

**Connection**

Thread G 1 1/4", thread NPT 1 1/4" flange DN32 PN16; flange ASME 1 1/4"

**Additional certifications**

3.1B EN 10204

## ORP / Redox

**Measuring principle**

Sensor ORP / Redox

**Application**

Power stations, chemical industry, industrial water treatment, supply technology

## ORP / Redox

**Installation**

Manual retractable holder

**Characteristic**

Open and closed tank, piping

**Design**

Manual retractable holder for 120mm electrodes, rinse chamber connection G1/4"

**Material**

Immersion tube: stainless steel 1.4404, Alloy C22, titanium 3.7035  
O-rings: EPDM, Viton or Kalrez

**Dimension**

Immersion depth: up to 700 mm (27.56 inch)

**Process temperature**

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