

airtrol CPC 200 / 210 Fully Automatic Measuring and Calibration System for pH

Operating Instructions

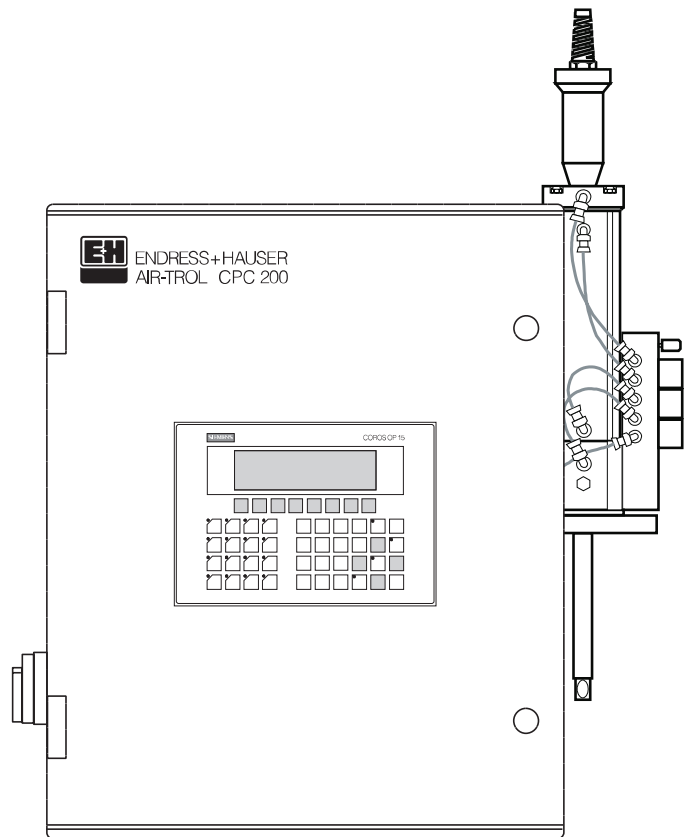
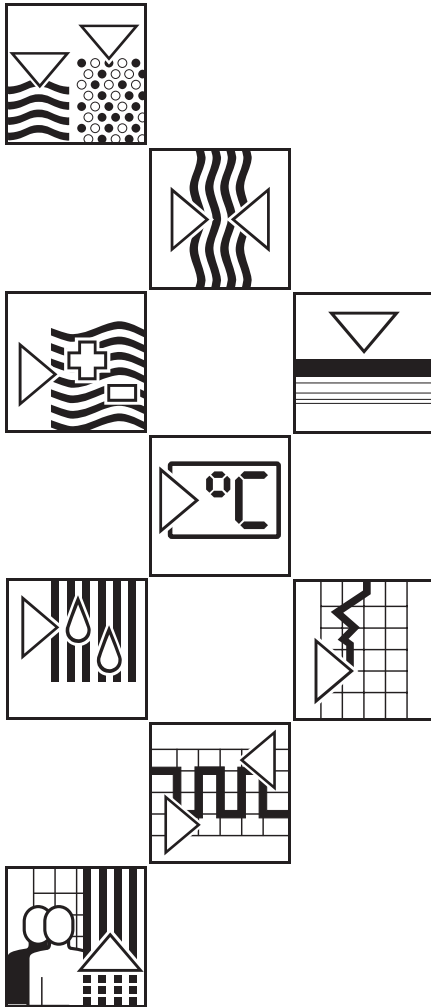


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1. General

These operating instructions describe the automatic cleaning, pH signal monitoring and calibration system of the Airtrol CPC 200 / 210.



Note:

Separate operating instructions are required for the built-in pH measuring transmitter Mycom CPM 151-P and the retractable assembly Proffit CPA 463 or CPA 463S.

- pH / temperature measuring transmitter / controller Mycom CPM 151-P (BA 093C/07/en)
- Retractable assembly for pH / redox measurement Proffit CPA 463 (BA 007C/07/en)
- Retractable assembly for pH / redox measurement Proffit CPA 463S (BA 151C/07/en)

1.1 Unpacking

- Inspect for any damaged packaging! The post office or freight carrier must be informed of any damage. Damaged packaging material must be retained until the matter has been settled!
- Verify that the contents are undamaged! Inform the post office or freight carrier as well as the supplier of any damage.
- Check that the delivery is complete and agrees with the shipping documents and that the unit type and version match the nameplate (see fig. 1.1).

If you have any questions, consult your supplier or your competent Endress+Hauser sales center (see back cover of these operating instructions for addresses).

1.2 Application

The Airtrol is an automatic cleaning, pH signal monitoring and calibration system.

When used in conjunction with the retractable pH / redox assembly Proffit, the Airtrol permits automatic cleaning and calibration of pH electrodes.

Fig. 1.1: Nameplates
left: Airtrol CPC 200
right: Airtrol CPC 210

ENDRESS + HAUSER
AIRTRÖL CPC200

order-codeCPC200-0DA

T7

ser-no.

123456

equipment/Ausstattung:

mains/Netz:

230V 50/60Hz

protection class/Schutzart:

IP 54

128524-4A

ZPC200.TIF

ENDRESS + HAUSER
AIRTRÖL CPC210

order-codeCPC210-A

T7

Ser-no.

123456

air/Luft:

4-6 bar filtered/gefiltert 5µm

water/ 4-6 bar particle free/Partikel frei

Wasser:

protection class/Schutzart:

IP 54

ZPC210.TIF

1.3 Ordering system

Airtrol CPC 200 – operating unit

Power supply

0

230 V, 50 / 60 Hz

1

115 V, 50 / 60 Hz

3

24 V, 50 / 60 Hz

8

24 V DC

9

Special version

Language versions

D

German language version

E

English language version

Versions

A

Standard version

Y

Special version

CPC 200 -

← complete order code

Airtrol CPC 210 – pneumatic unit

Versions

A

Standard version

Y

Special version

CPC 210 -

← complete order code

2. Measuring system

The complete measuring system (fig. 2.1) comprises

- the operating unit CPC 200 and the pneumatic unit CPC 210
- a Probit assembly
- a pH measuring cable CPK 7
- a connecting cable from the operating unit to the pneumatic unit (5 m, 14 wires)

- A control line from the pneumatic unit to the Probit assembly (5 m pneumatic hoses in protective hose).

Connective networking of several systems (max. 10) is possible via Profibus (fig. 2.2).

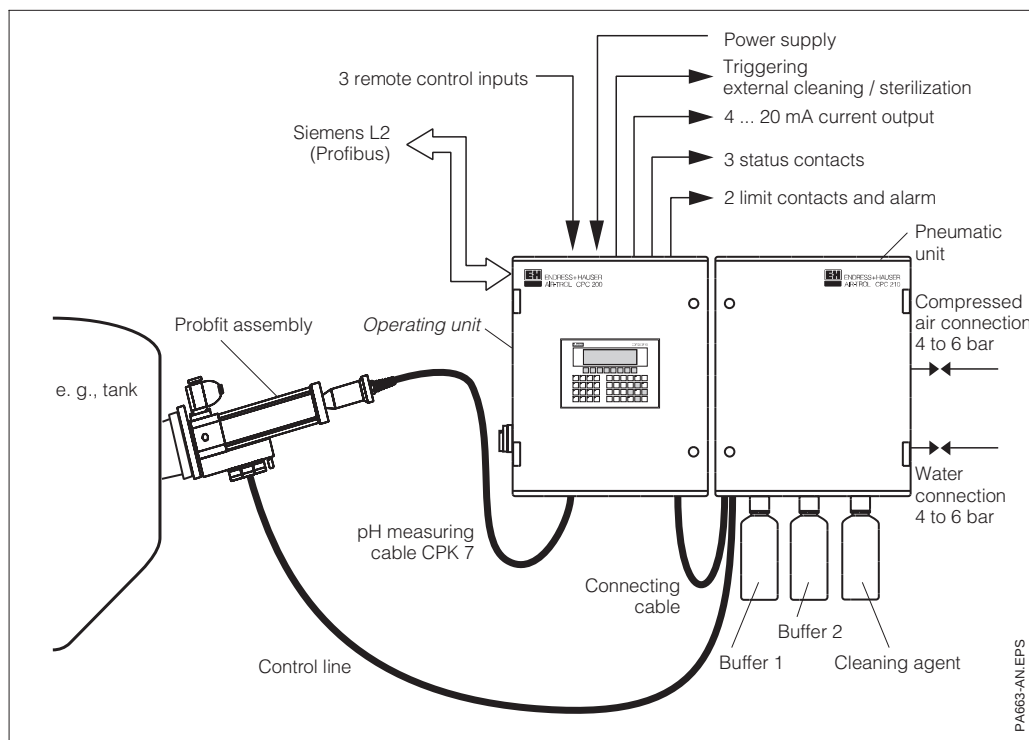


Fig. 2.1: Single system

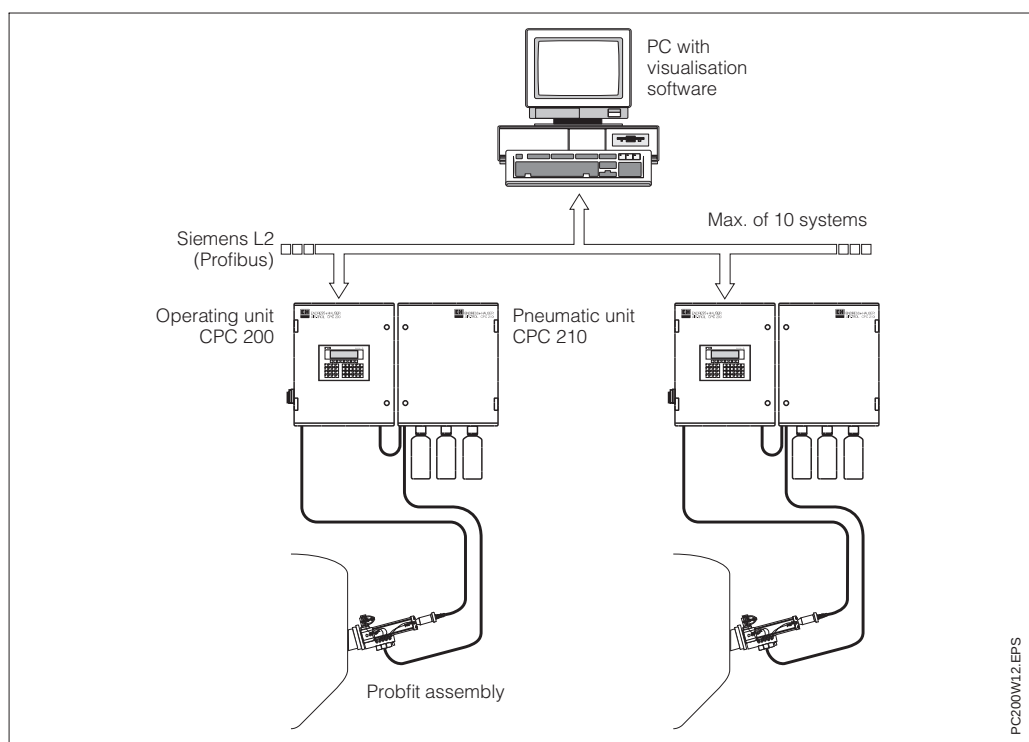


Fig. 2.2: Connective networking of several systems

3. Installation

3.1 Basics for installation



Note:

- Outdoor installation of system requires complete weather protection (sun and rain protection)!
- Ingress protection is IP 54.
- **Operating unit CPC 200**
 - Install at eye level to facilitate operation and assure readability of the system.
- **Pneumatic unit CPC 210**
 - Install next to the operating unit CPC 200 if possible to facilitate troubleshooting, maintenance, etc.
 - Make sure water and compressed air connections are easily accessible.
 - The standard length of the pneumatic connecting line between the pneumatic unit CPC 210 and the retractable pH assembly is 5 m.
 - The cleaner and buffer bottles are screwed onto the cabinet from below.

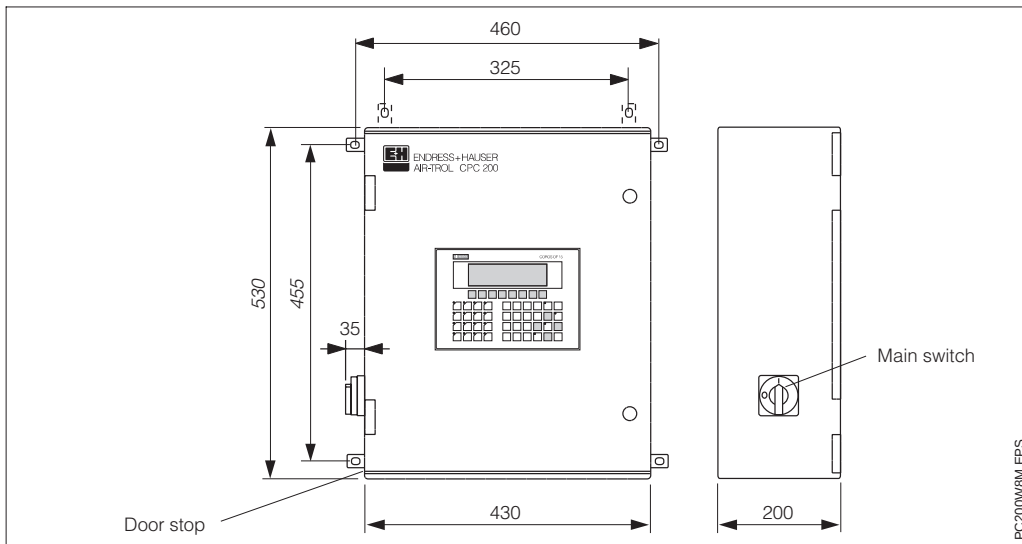


Fig. 3.1: Dimensions CPC 200

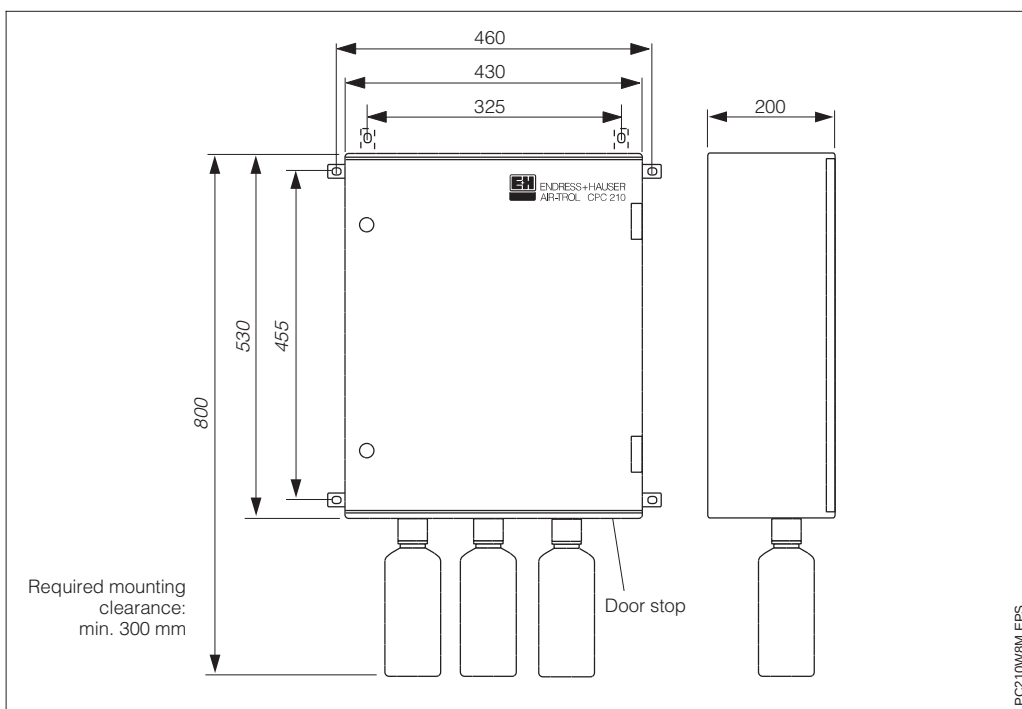


Fig. 3.2: Dimensions CPC 210

3.2 Installation overview

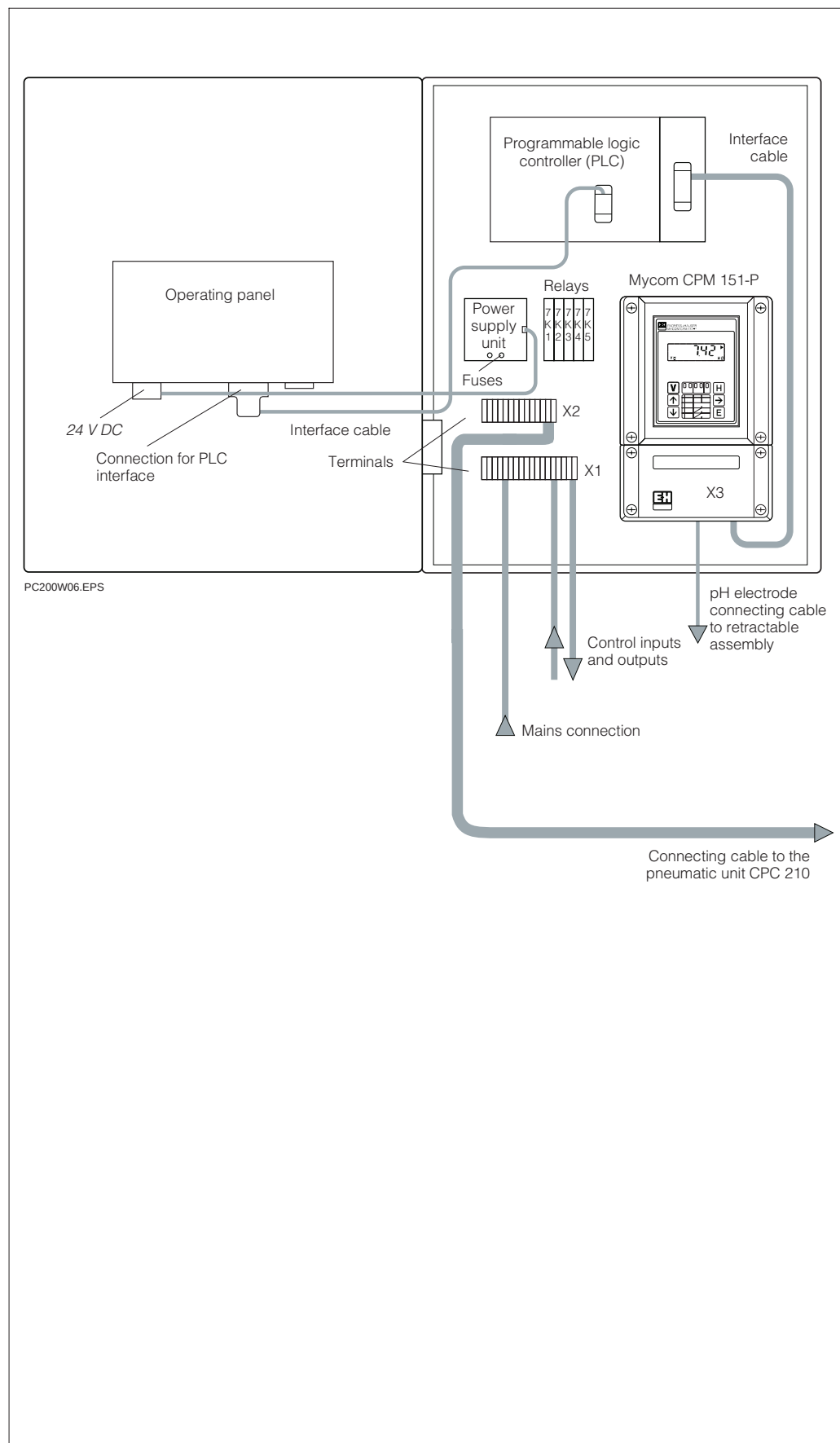


Fig. 3.3: Operating unit CPC 200 (open)

- Notes:**
- Relay designations (from left to right): 7K1, 7K2, 7K3, 7K4, 7K5
 - Terminal block X3 is located inside the pH measuring transmitter Mycom CPM 151-P.

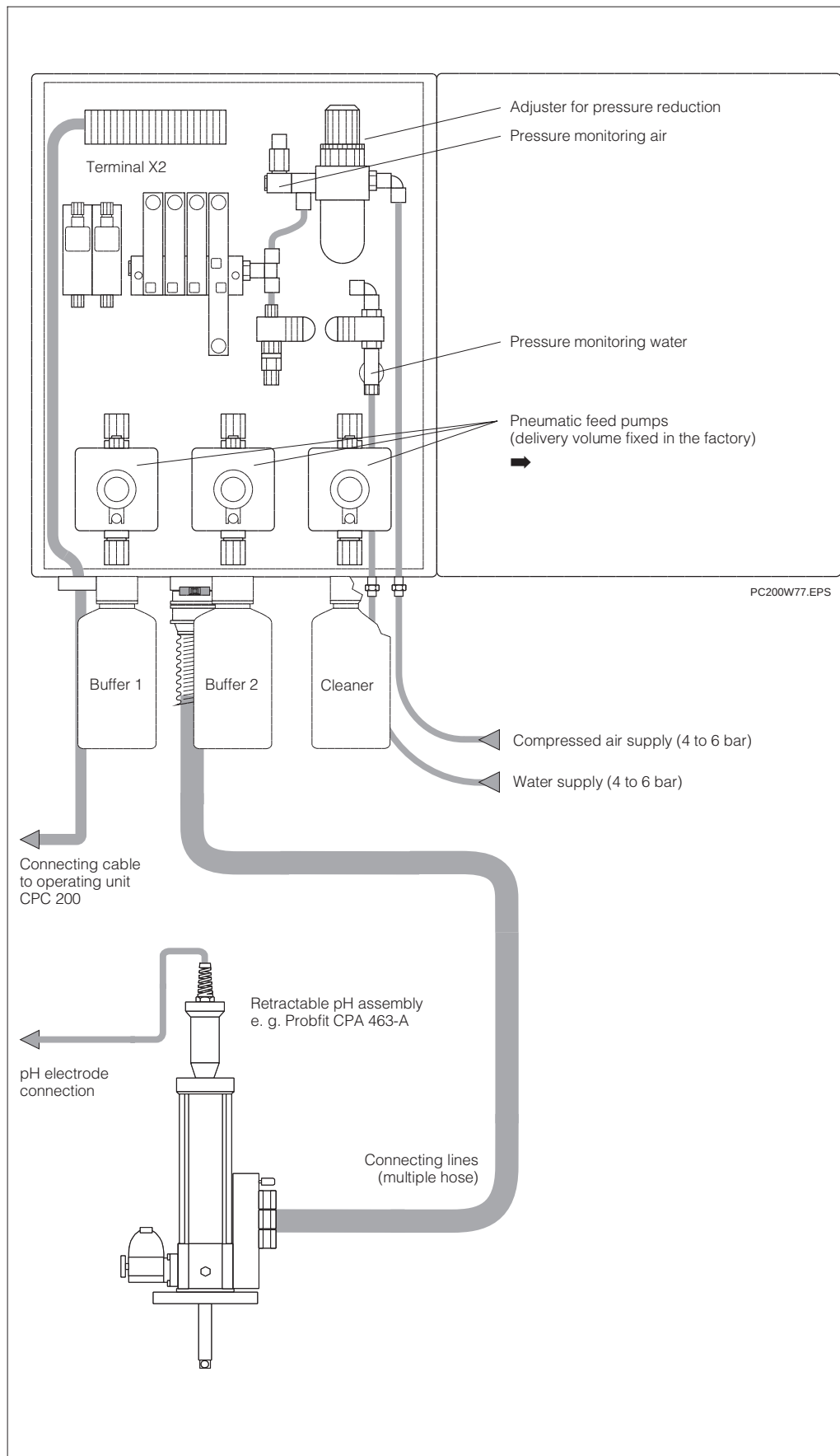


Fig. 3.4: Pneumatic unit
CPC 210 (open)

Note:

- ➡ The delivery volume adjustments for buffer solutions 1 and 2 and cleaning solution must not be changed.

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/548113113044006076>