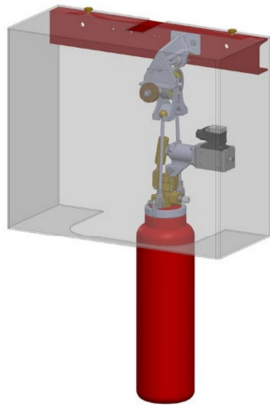




Extinguishing technology CO₂ HP Control device CO₂ HP components

P21.214.420 - 3

Pneumatic release device PAE - CO₂ electrical with protective cover



Fastening material not shown

Approvals



1) Part of the system approval:

- Argotec HD-1 (S398010)
- Oxeo Argon - fire extinguishing system HD200 (S398003)
- Oxeo Argon - fire extinguishing system HD300 (S303001)
- Oxeo Nitrogen - fire extinguishing system HD200 (S398004)
- Oxeo Nitrogen - fire extinguishing system HD300 (S303002)
- Oxeo IG-55 - fire extinguishing system HD300 (S314003)
- Oxeo IG-541 - fire extinguishing system HD300 (S314002)
- CF Ar 200 (S312004) / CF Ar 300 (S312001)
- CF N₂ 200 (S312003) / CF N₂ 300 (S312002)
- VSN 1230 (S314012) / VSN 200 (S313007)

2) Listed system covered by:

UL-File EX6388 (CO₂) and UL-File EX26532 (Ar, VSN 200 and VSN 1230)

SAP designation

e.g. part no. 885335: PAE-CO₂-EM-4kg compl.

Maintenance

see operating instruction PAE-CO₂ part no. 885374

Designation	Part no.	Weight approx.
Pneumatic release device PAE - CO ₂ electrical with protective cover	4 kg	885335
	8 kg	885341

Technical data

Operating mediumCO₂ - gaseous
Working pressure140 bar (2030 psi)
Test pressure210 bar (3045 psi)
Amount filled4 kg (8.82 lbs) or 8 kg (17.64 lbs)
Pilot cylinder volume5.4 l or 10.7 l
Thread connectionfor precision steel pipe 6x1

Product sheets also applying

Cylinder with valve 5.4 l / 10.7 l:

- CO₂ - Cylinder EUP21.214.113
Weighing device WE4P21.214.210
Weight for weighing device 0.16 kg / 0.3 kgP21.214.210
Release device EM 24 V DCP21.211.420
Lever - cylinder valve EM releaseP21.211.420

Application

The release device PAE electrical must only be used in accordance with system approval in stationary carbon dioxide, argon, nitrogen, VSN 200 and VSN 1230 fire extinguishing systems. The release device PAE provides all pneumatic system parts with carbon dioxide (CO₂) as work medium and is used to activate:

- Cylinder batteries
- Selector valves
- Pneumatic control elements and alarm components (makrofon)
- Pneumatic door closing devices
- Pneumatic pressure relief dampers.

Functional description

The activation of the release device PAE occurs electrically (release device EM). Thus the toggle valve on the pilot cylinder is opened and the carbon dioxide (CO₂) flows through the connected pipe assembly respectively the hose to the pneumatic system components of the fire extinguishing system. Depending on the version a 5.4 l (1.43 US.liq.gal) or 10.7 l (2.83 US.liq.gal) pilot cylinder is used.

The release device PAE has a protecting cover to protect against unintentional contact. The entire release device PAE is fastened onto a bearing structural element via a U-profile.

Included in delivery

PAE - CO₂ EM 4 kg885334
8 kg885338
Protective cover PAE885322
Operating instruction PAE-CO₂ part no. 885374
as well as fastenings

Not included in delivery

Pre-assembled connection pipesee operating instruction PAE
Support weighing device PAE886350, P21.214.720
Reset tool885530, P21.211.420
Monitoring loss pneum. actuation device888998, P21.214.430
Monitoring for release device EM885740, P21.211.430



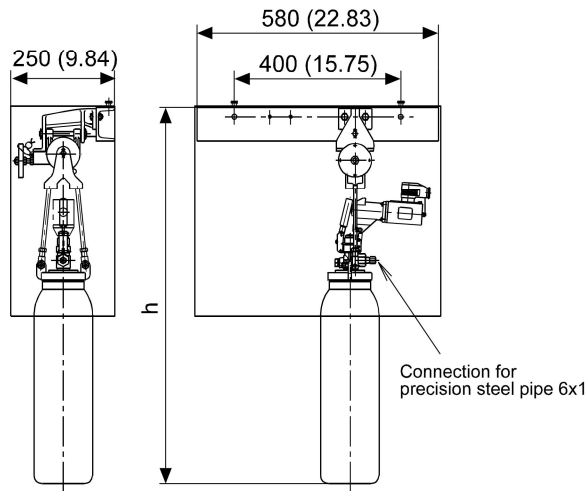
Extinguishing technology CO₂ HP P21.214.420 - 3

Control device CO₂ HP components

Pneumatic release device PAE - CO₂ electrical with protective cover

Dimension drawing

Dimensions in mm (inch)



PAE	h approx.
4 kg	925 (36.4)
8 kg	1335 (52.6)