

Makrofon MX-1 LCP (Optional)

Approvals / CE marking



- 1) Listed system covered by UL-File EX15997 (SFFECO Prime FK, SFFECO Prime 227)
- 2) Part of the system approval:
- Oxeo PR LCP, IG-01, IG-100
- Carbon Dioxide Extinguishing System CO₂ Low Pressure
- SFFECO Prime FK, SFFECO Prime 227



SAP designation

e.g. part no. 860050: Makrofon MX-1

Maintenance

see technical description makrofon MX-1 / MX-1 LCP
part no. 871828

Spare parts

Filter type SIKA-B80	821128
Union GE 6-PSR-ED A3	125578
Bracket (large)	888619
2x Hex. screw DIN933 M6X16-8.8 gal Zn	206261
2x Spring lock washer DIN128-A6-A4	905383
2x Hex. nut DIN934-M6-gal Zn	249230

Designation		Part no.	Application	Weight
Makrofon	MX-1	860050	CO ₂ controlled systems, at 20 bar low pressure or 60 bar high pressure technology HD-1	1.15 kg (2.54 lbs)
	MX-1 LCP	4004505	all systems with LCP system technology	

Technical data

Operating medium MX-1CO₂ (gaseous)
MX-1 LCPN₂ (IG-100)

Temperature range:
- operating acc. to VdS, CE-20 to +50 °C (-4 to +122 °F)
- operating-20 to +150 °C (-4 to +302 °F)
- transport and storage-20 to +55 °C (-4 to +131 °F)

Working pressure CO₂8 bar to 70 bar (116 psi to 1015 psi)
N₂ 8 bar to 11 bar (116 psi to 160 psi)
.....overpressure-proof up to 140 bar (2030 psi)

Start pressure CO₂ min. 20 bar (min. 290 psi)

Consumption at constant 10 bar (1015 psi):
- N₂approx. 21 g/min (approx. 0,74 oz/min)

Consumption at constant 70 bar (1015 psi):
- CO₂approx. 147 g/min (approx. 5,2 oz/min)

Consumption by using one CO₂ pilot cylinder (falling pressure)
.....approx. 2350 g / 30 min, approx. 2950 g / 60 min

Connectionfor precision drawn steel pipe 6 x 1

Installation positionsound outlet points downward

Makrofoncomplies with EN 12094-12

CE conformityacc. to Construction Products Regulation (EU)
.....No 305/2011

Marking

type (Makrofon MX-1), part no. (860050),
working pressure (8 bar - 70 bar), overpressure-proof (140 bar),
approval (VdS), conformity (CE), serial number (xxxxxx),
medium (medium CO₂) or (medium N₂ (LCP) 4004505)

Application

The makrofon is a pneumatically operated acoustic alarm device for the use in stationary gas extinguishing systems accordance with the system approval.

This alarm device warns persons being present prior to flooding of the area with extinguishing gas by a loud sound and constant frequency.

The makrofon MX-1 can optionally be fitted with a silencer, not permitted with makrofon MX-1 LCP.

Caution: At operating pressure the makrofon generates at a distance of 1 m a sound level which may cause hearing disorder.

Note

For indoor use only

Included in delivery

Makrofon with bracket (small and large)
Technical description makrofon part no. 871828

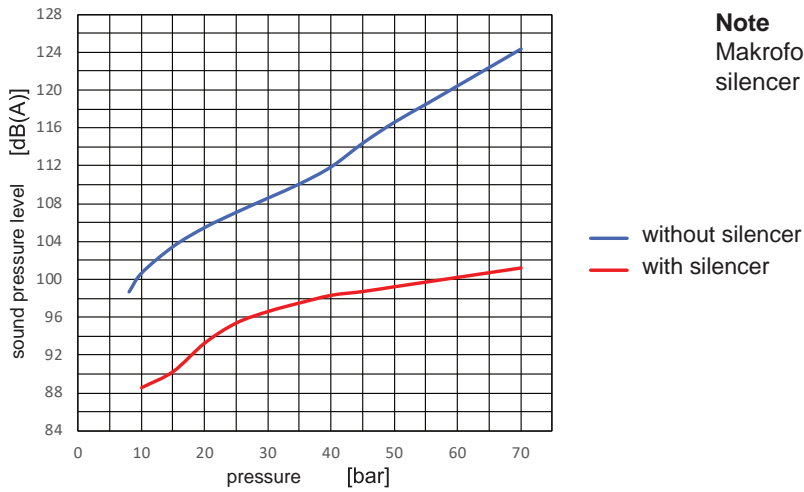
Not included in delivery

Clamping bolt for wall mounting
Silencer makrofon MX-1877120, PS 211-410_002
(for use with makrofon MX-1 only)

Makrofon MX-1 LCP (Optional)

Operating medium CO₂ (Makrofon MX-1):

A-weighted sound pressure level over the pressure range



Operating medium N₂ (Makrofon MX-1 LCP):

A-weighted sound pressure level < 100 dB(A) at 10 bar

Note

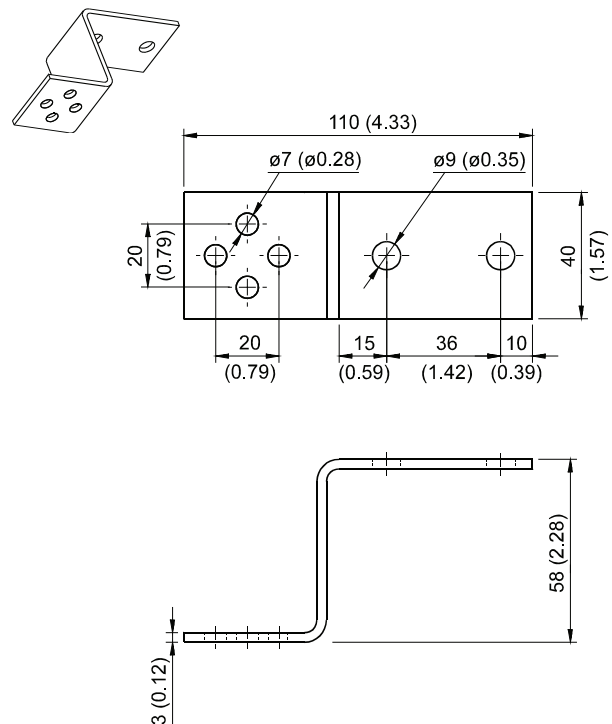
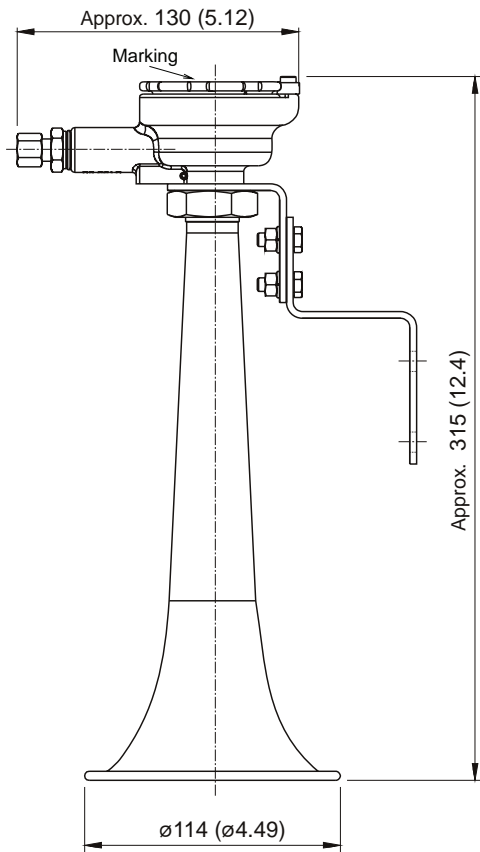
Makrofon MX-1 LCP must not be used together with silencer MX-1.

Note: The above shown curves were determined in the laboratory. Due to the influencing factors given in situ, the real values may deviate from the curves.

Dimension drawing

Dimensions in mm (inch)

Makrofon dimensions and bracket (large) dimensions



material: stainless steel

Silencer Makrofon MX-1 (Optional)

Approvals

no approval required



SAP designation

part no. 877120: Schalldämpfer Makrofon MX-1

Maintenance

maintenance-free

Designation	Part no.	Weight
Silencer makrofon MX-1	877120	0.12 kg (0.26 lbs)

Technical data

Materialstainless steel

Application

Only for use with makrofon MX-1 (operating medium CO₂).

Dimension drawing

Dimensions in mm (inch)

