

Emergency Shut off System M 3800 EPESS



- Electric power, Battery back up
- Designed for both ton containers and gas cylinders
- Attached to valve body
- Simple “clamp on system” allows actuator attachment and detachment from the valve body in seconds
- No tools necessary, adaptable to fit any valve
- Adjustable torque to fit any valve and specific regulations and requirements
- Valve closure in less than 4 seconds

GENERAL

Controlmatik ABW “Emergency Shut off System - M 3800 EPESS” ensures, in combination with chlorine gas leak detector, automatic closure of chlorine cylinder or container valves in case of chlorine gas leakage. Chlorine gas leak detector provides information about the leakage and gives signal to “Emergency Shut off System” control panel. Control panel triggers the electrical actuator, mounted directly on the valve of the cylinder or container, which closes the valve in less than four seconds. Operator can also manually close all the valves with emergency button mounted outside the storage room. When all the valves are closed, operator can enter the storage room and inspect the leakage. When the source of the leakage is identified and resolved, operator can manually open all the necessary valves and set the “control panel in ready mode”. The system is very simple to install. Controlmatik ABW “M 3800 ESS” can be used for multiple units (cylinder or container valves). The system is using electrical power source and is battery backed-up in case of power failure.

INSTALLATION

Each electrical actuator is individually fixed onto cylinder or container valve and connected to the control panel. Actuator is delivered with 10m of special connection cable. Maximum distance between control panel and actuator is 10m (length of cable).

One control panel cabinet controls up to 10 electrical actuators!



ORDER CODE



Electrical actuator

M 3800 EPESS -EA / X

Valve type _____

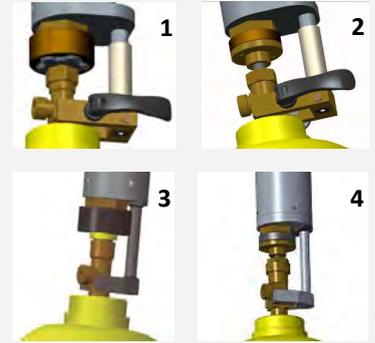
OPTIONS:

Valve type:

- 1 = Hand—wheel adjustable (for containers)
- 2 = Square stem adjustable (for containers)
- 3 = Hand—wheel fixed (for cylinders)
- 4 = Square stem adjustable (for cylinders)

NOTE:

Hand-wheel and square stem valve dimensions have to be specified with order!



Control panel cabinet

M 3800 EPESS -CP / X

Number of electrical actuators _____

OPTIONS:

Number of electrical actuators:

- 2 = max. 2 electrical actuators
- 6 = max. 6 electrical actuators
- 10 = max. 10 electrical actuators



TECHNICAL DATA



Supply voltage: 230V, 50/60Hz
 Control panel cabinet Display: LCD 4 lines,12 characters
 Relay output: 230 V 3A ind. burden; 8A ohm. burden
 Battery back up: up to 8 hours

MEASURE DRAWINGS



Dimensions table: A — closed 106 mm max, / open 173 mm max.
 B — min. 290 mm / max. 318 mm
 C — 142 mm
 D — 90 mm
 E — 107 mm

