



· SYSTEM: HVAC



SYSTEM: HVAC

MOTORIZED WATERTIGHT VALVES

REF.: D-MO5462-006



· SYSTEM: HVAC



TABLE OF CONTENTS

1. TECHNICAL AND FUNCTIONAL DESCRIPTION..... 3

ANNEX A DATA SHEET OF VALVES AND ACTUATORS



· SYSTEM: HVAC



1. TECHNICAL AND FUNCTIONAL DESCRIPTION

These valves have been designed for use in heating, ventilation and air conditioning systems. These valves are opened or closed completely by an open-close rotary actuator. Continuous rotary actuators are connected to the body valve and move it to any position desired.

Ventilation System

Each motorized control valve with the same classification of their associated fan will be operated by means of the system control cabinets, in such way they will be opened when their associated fan receives the start command, and they will be closed when their associated fan receives the stop command.

Notes:

-Motorized valves with a different classification of their associated fans and do not have a local operated panel (LOP) associated:

They will be opened when their associated fan receives the start command, and they will not be closed when their associated fan receives the stop command to avoid excessive overpressure in headquarters condition (but still not NBC, close down condition). “Open / Close” push buttons and “Local / Remote” switch are available in the local control panel (CTP).

-Motorized valves with a different classification of their associated fans and have a local operated panel (LOP) associated:

They will be opened when their associated fan receives the start command, and they will not be closed when their associated fan receives the stop command to avoid excessive overpressure in headquarters condition (but still not NBC, close down condition). In the local operated panel (LOP) “open” and “close” push buttons, and a “Local / Remote” switch are available (these operations are not available in the local control panel, CTP, associated).

- Motorized valves that are not associated to any fan. They have a local operated panel (LOP) associated:

These valves are not directly associated to any fan and a local operation panel (LOP) will be provided. In this panel “open” and “close” push buttons, and a “Local / Remote” switch are available (these operations are not available in the local control panel, CTP, associated).

Air Conditioning System

Each motorized valve will be locally controlled by means of the system control cabinets, in such way they will be opened when their associated fan coil/unit cooler receives the start command, and they will be closed when their associated fan coil/unit cooler receives the stop command.

Furthermore, they will be interlocked with their associated fan coils/unit coolers, so if a motorized valve is locally closed its associated fan coil/unit cooler will be stopped, and any other associated valve will be closed too.



· SYSTEM: HVAC



ANNEX A. DATA SHEET OF VALVES AND ACTUATORS