



DEPARTMENT OF  
ENVIRONMENTAL  
PROTECTION

59-17 Junction Boulevard  
Flushing, New York 11373

Caswell F. Holloway  
Commissioner

July 12, 2010

Siemens Building Technologies HVAC Products GMBH  
Berliner Ring 23  
76437 Rastatt, Germany



**Re: Siemens SQM40/41 Series Actuators**

Gentlemen:

Based upon the information and test data submitted by you, the Siemens SQM40/41 series actuators are conditionally accepted until July 12, 2011 as having complied with the appropriate sections of the "Engineering Criteria-Fuel oil burning Equipment", effective July 1, 1973.

This acceptance is valid until July 12, 2011 provided that the above equipment and all associated specifications remain as approved by the Department. Should it be necessary to modify any of the specifications, the manufacturer is required to notify this Department and seek prior approval of the proposed modifications. The conditional acceptance of the Siemens SQM40/41 series actuators beyond this date will be contingent upon the satisfactory performance of the installed units as stipulated in the Engineering Criteria and as checked by the Bureau's engineers in the field.

It is the responsibility of the manufacturer to ensure that the actuators listed above meet the requirements of the other agencies of the City of New York (i.e. Board of Standards and Appeals, Fire Department, and Department of Buildings). It is understood that this approval is not to be used, in any way, for commercial or advertising purposes.

Very truly yours,

R. Nandi, P.E.  
Chief, Fossil Fuels Engineering

CC: Mr. Swapnil Marda, Environmental Engineering Solutions, P.C.  
Mr. Bertram Leng, President, SCC, Inc



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and Services for NYC

## MEMORANDUM

To: Fossil Fuels Engineering Staff

Date: July 12, 2010

From: Dennis Antzoulatos  
Equipment Acceptance

Subject: Siemens Actuators  
Series SQM40/41

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### New Criteria Data Sheet #136 Supplement 59

The Bureau of Environmental Compliance has accepted the Siemens SQM40/41 (also referred to as SQM4 Syncro) series actuators. The actuators are for use with oil and gas burners of medium to larger capacity and are suited for driving flow control valves, butterfly valves, dampers and other applications where rotary motion is required.

They differ from the previously accepted SQM5 series actuators (Data Sheet #136, Supplement 24) in that they have lower torque ratings (5 N-m {3.7 ft-lbs} and 10 N-m {7.4 ft-lbs} versus 10.2 N-m {7.5 ft-lbs} thru 39.5 N-m {29.2 ft-lbs}), the direction of shaft travel (clockwise or counter-clockwise) can not be reversed and they feature fixed shafts that are not field replaceable.

The actuators are for use with any firing rate controller capable of 3 position or analog 0-10vdc, 4-20 mA, or 0-135 ohm signals. The model number may be suffixed in the following manner:

#### **SQM41.144R11**

Where, **SQM4** indicates the model series

**SQM41** indicates shaft travel is clockwise (**SQM40** indicates counter clockwise)

**1:** indicates a 5 N-m torque rating (**2** indicates a 10 N-m torque rating)

**44:** indicates the circuit board type

**R11:** indicates 120Vac

The actuators will be equipped with a durable label for identification in the field.

**Note:** The SQM40/41 series actuators are not suitable for use on any Siemens LMV linkage-less system.