

# MOHAMMED BIN RASHID AL MAKTOUM CITY - DUBAI

FOCUS PROJECT

**CALEFFI**  
Hydronic Solutions

## THERMOSTATIC MIXING VALVE FOR MEDIUM-LARGE APPLICATIONS

**CONSTRUCTION SITE:** In November 2012, His Highness Sheikh Mohammed bin Rashid Al Maktoum announced that Dubai would be building a city within a city, connected to Downtown Dubai and Business Bay through a passage called Cultural Crossing. The site will include the world's biggest shopping mall, a Universal Studios attraction, a park that promises to be 30% bigger than London's Hyde Park, over 100 hotels and the world's largest lagoon.

**DESIGNER COMPANY:** AE7 Consultants  
**CONTRACTOR:** Meydan Sobha Construction (LLC) - Dubai  
**LOCATION:** Dubai (UNITED ARAB EMIRATES)

### WATER COMFORT IS THE ACHIEVABLE SPLENDOR



#### INSTALLATION DETAILS:

*Every luxury villa is equipped with a high-level domestic water production system with solar integration.*

*The regulation of the water temperature coming from the system is entrusted to a thermostatic mixing valve 5231 series that continuously ensures correct proportioning of hot and cold water at the inlet granting comfort and safety to all the users.*

*The water proportions are regulated by an obturator that slides inside a special cylinder placed between the hot and cold water passage channels.*

*Even if the pressure drops due to hot or cold water drawn-off by other users or temperature variations at the inlet, the mixing valve automatically adjusts the water flow rate until the set temperature is achieved.*

#### PRODUCT FEATURES:

The thermostatic mixing valve is used in systems that produce domestic hot water. It is designed to maintain the preset temperature of the mixed water delivered to the user outlet, when there are variations in the temperature and pressure of the hot and cold water at the inlet, or in the drawn-off flow rate.

This particular series of mixing valves is specifically conceived for systems which require high flow rates, such as centralised systems or groups of equal users, and also stable and accurate temperature adjustment, especially in relation to variations in the flow rate drawn-off by the users.

#### MIXING VALVE 5231 SERIES

TECHNICAL BROCHURE: 01256

