



## Cactus Towers, Copenhagen, Denmark

**'Micro-living' in the city goes well with SDG11 'Sustainable Cities and Communities' - two new apartment blocks offer 495 youth housing apartments in the heart of the Danish capital.**

A new district is under development in Copenhagen. The former railway area covers eight hectares of land and will include an IKEA store, a hotel, youth housing, offices, and a park.

The new youth housing goes under the name 'The Cactus Towers' due to the iconic outer design. It includes two high-rise buildings of 60 and 80 meters respectively and a total of 25,000 m<sup>2</sup>. The 495 apartments are for the most 33 m<sup>2</sup> and a few are available with 53 m<sup>2</sup>; all are equipped with a balcony. The new youth housing has the best location, close to the heart of the city - with the hip neighborhoods like Vesterbro, den Hvide Kødby, and Islands Brygge close by. And at the same time, it is easy to get to the region's large educational institutions or even reach southern Sweden within 30 minutes due to the close location to the central train station in Copenhagen.

The area's central location and urban scale are well suited to youth housing. In contrast to the metropolitan vibe, the project introduces the concept of 'micro-living', which fits the young tenants' dynamic life paths and minimalistic mindset. Several common housing functions that have been moved out of the apartments and into the common framework of the towers offer a 'co-living' aspect. In addition to the possibility of shared economy, this means that when the young people have to wash their clothes, cook, work, or want to enjoy a glass of wine in the wine bar, or a trip to the towers' own fitness center, they will automatically meet each other. It will create lots of positive contact and communities between the residents.

Living with less benefits the environment and accommodates the UN's sustainable development goal no. 11 'Sustainable Cities and Communities'.



## Application

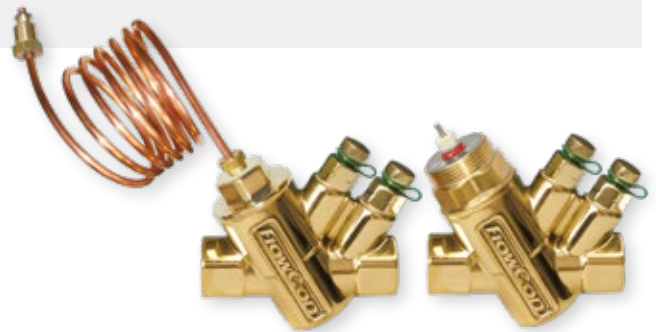
FlowCon has supplied ABVs (automatic balancing valves) and DPCVs (differential pressure control valves) for controlling the water-borne heating system (radiators and underfloor heating). Each apartment has a required design flow of 26 l/hr and this is obtained by installing one DN15 GreEQ.0 valve per studio. The FlowCon GreEQ is the ideal compact and adjustable low flow solution. And for controlling the differential pressure on the risers, DPCV DN25 SDP.20 valves are installed to control the  $\Delta p$ Circuit to maximum 20 kPaD.

Both solutions are with the unique insert-based technology offered by FlowCon. This provides further dimensions to flexibility, serviceable and - in the future - easy waste sorting at end-of-use in this project.



### Project Configuration:

<b>Project name:</b>	Kaktustårnene (= Cactus Towers)
<b>Project management:</b>	Høpfner Projects / Catella
<b>Architect:</b>	Bjarke Ingels Group, BIG
<b>Consultant:</b>	MOE
<b>Contractor:</b>	LM Byg
<b>Valve model and quantity:</b>	500+ ABVs (FlowCon GreEQ.0 without actuator) and 16 pcs DPCVs (FlowCon SDP.20)
<b>Application:</b>	New build - apartment blocks
<b>FlowCon distributor:</b>	Nicobelli ApS
<b>Date of inauguration:</b>	Q3.2022



FlowCon SDP.20  
in Flowcon AB house

FlowCon GreEQ.0  
in Flowcon AB house

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