

Hyclean Automation System

Varmtvands- Energiberegner

Energiforbrug for varmt vand:
beregner, simulerer, optimerer

Building characteristics

Name of the building: My building
 Building use type: Large public building
 Building age class: 1980 to 1995
 before 1980 | 1980 to 1995 | 1995 to 2010 | after 2010
 Usable space: 770 m²
 Year of construction of the hot water system: 1994
 Continue

Your current energy demand for water heating

Energy demand per year: 28324 kWh
 CO₂ emissions per year: 8781 kg
 Energy costs per year: 2266 €

Optimising your hot water energy consumption

Hyclean AS with electronic balancing valves and insulation optimization where deficient
 Retrofit Hyclean AS
 Lowering the temperature (Lowering the temperature to 60 °C)
 Modernisation of the plant technology (Modernise water heating technology)

Energetic losses before and after optimisation

Category	Before	After
Hot water consumption	2274 kWh	6275 kWh
Generation losses	2790 kWh	2349 kWh
Storage losses	3413 kWh	3272 kWh
Distribution losses	9274 kWh	9274 kWh

Possible energy savings per year: 5529 kWh/Year
Saved energy costs per year: 499 €/Year
Reduction of losses: 35 %
Saved CO₂-emissions: 1774 kg/Year
Saving on the cost of care: 1980 €/Year

An investment in Hyclean AS pays off

Beregn dit potentiale for energibesparelser

Energiforbruget i bygninger skal reduceres yderligere for at nå klimamålene. Der er et kæmpe besparelspotentiale ved optimering af drikkevandsinstallationer som er værd at se på.

GF Piping Systems har udviklet en online-beregner, der nemt kan beregne den mængde energi, der er nødvendig for at producere varmt vand i en bygning: „Varmtvands-Energiberegner“. Onlineberegneren kan også bruges til at simulere den potentielle energibesparelse, hvis der er truffet tiltag til at optimere drikkevandssystemet – samtidig med at drikkevandshygien opretholdes. Afskrivningsperioden for de foretagne investeringer og besparelserne i de efterfølgende år er også vist grafisk.

Varmtvands-Energiberegneren kan bruges gratis via følgende link: www.gfps.com/hot-water-energy-calculator

1 - beregn

Building characteristics

Name of the building: GF Danmark

Building use type: Apartment building > 10 apartments

Building age class: 1980 to 1995


Usable space: 4386,39 m²

Year of construction of the hot water system: 1990

Continue

2 - simulér

Your current energy demand for water heating



Energy demand per year: **17094 kWh**

CO₂ emissions per year: **11683 lbs**

Energy costs per year: **1197 \$**

3 - optimér

Hycleen AS with electronic balancing valves and insulation optimization where deficient

Retrofit Hycleen AS


Lowering the temperature

Lowering the temperature to 60 °C

Modernisation of the plant technology

Modernise water heating technology

Energetic losses before and after optimisation



Possible energy savings per year: 3621 kWh/Year

Saved energy costs per year: 293 \$/Year

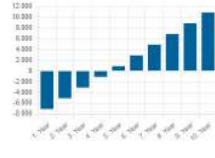
Saved CO₂-emissions: 2564 lbs/Year

Saving on the cost of care: 1702 \$/Year

Reduction of losses: 34 %

Total savings: 21 %

An investment in Hycleen AS pays off



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