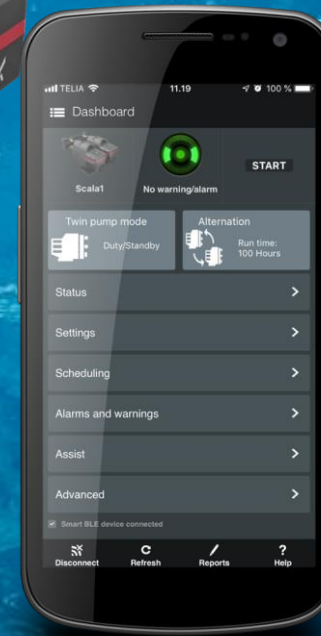


# THE BEST HOMES ARE GRUNDFOS HOMES

PREMIUM RJEŠENJA VODOPSKRBE ZA KUĆANSTVA I VRTOVE  
SCALA1



# Poznati izgled



# SCALA1 je više od pumpe

## SVE U JEDNOM (ALL-IN-ONE BOOSTER)

SCALA1 je kompletna sve-u-jednom jedinica koja sadrži hidrauliku, motor, membransku posudu, senzor tlaka i protoka, regulator i nepovratni ventil.

## MULTI APLIKACIJE

SCALA1 je dizajnirana za obiteljske kuće ali može poslužiti i u drugim instalacijama vodoopskrbe.

## VRLO INTELIGENTNA

Inteligentni modeli regulacije

## LAKA INSTALACIJA

Štedi vrijeme i angažman za instalaciju i održavanje zbog intuitivnog interfecea, tehnički dizajnirana i podešena preko aplikacije Grundfos GO.

## MULTI PUMP TEHNOLOGIJA

Ugrađena multi pump/pojačivač tlaka tehnologija omogućuje brzo i lako povezivanje u paralelni spoj dvije SCALA1 pumpe koje zajedno rade.

## USER-FRIENDLY NADGLEDANJE I UPRAVLJANJE

User-friendly controlni panel sa mogućnošću nadgledanja kroz Grundfos GO

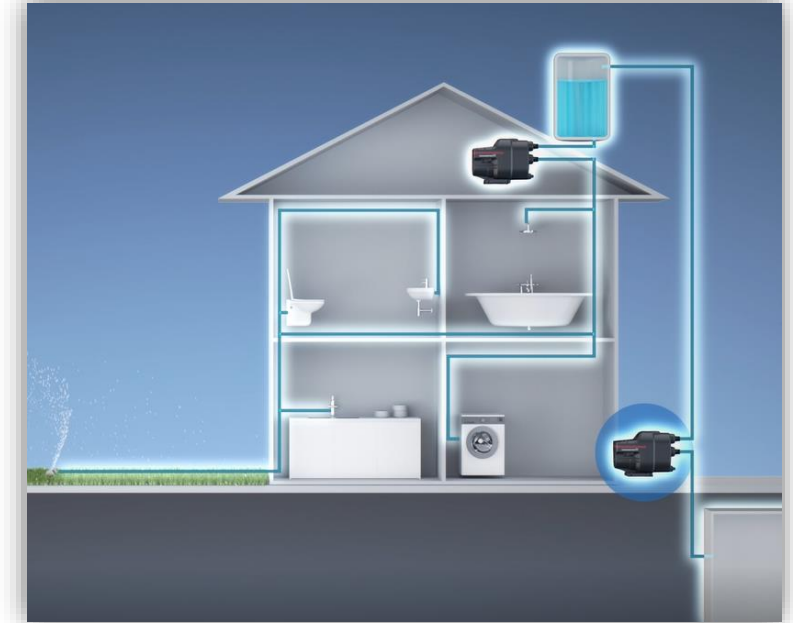
# Širok raspon aplikacija



**BOOSTING FROM CITY  
WATER MAINS**



**BOOSTING FROM  
SHALLOW WELL OR  
WATER STORAGE TANKS**



**WATER STORAGE TANK  
FILLING OR BOOSTING  
FROM ROOF TANK**

# Širok raspon aplikacija



**GREEN HOUSE**



**GARDEN**



**CAR WASH**



**VEGETABLE AREA**

# Značajke



## Samousisna

- Laka instalacija:  
Nema potrebe za punjenjem usisnog cjevovoda
- Pouzdan rad:  
Može izbaciti zrak iz usisnog cjevovoda

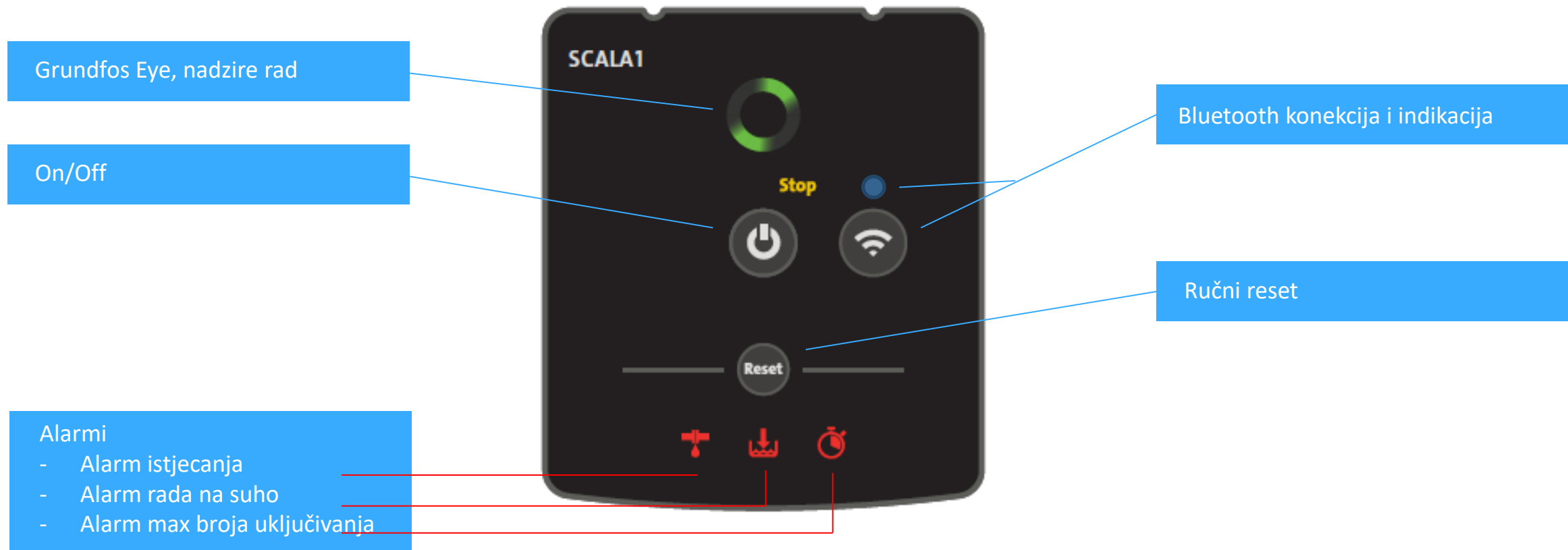
## Povećana pouzdanost

- Zaštita od rada na suho
- Anti-cycling
- Auto-reset
- Podešavajući max broj startanja

# Značajke



# Značajke



# Grundfos EYE

Grundfos Eye obavještava o trenutnom statusu SCALA1.



PUMPA RADI



PUMPA RADI, ALI POSTOJI  
UPOZORENJE

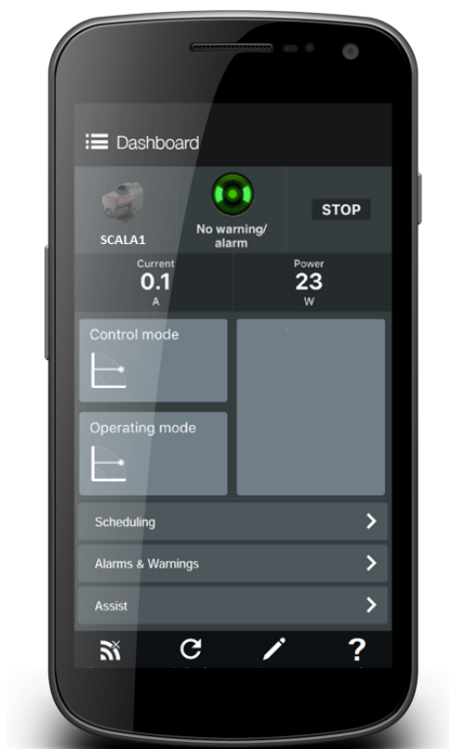


PUMPA SE ZAUSTAVILA  
RADI ALARMA

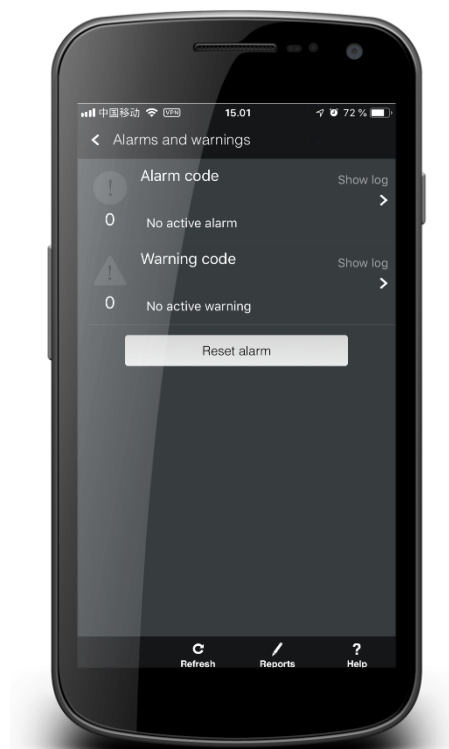
# GO app

## Status/Monitor/Control

Home screen



Alarm log



## Setup/Commission/Report

Scheduling



Initial setup (wizard)



# SCALA1 sa Bluetooth

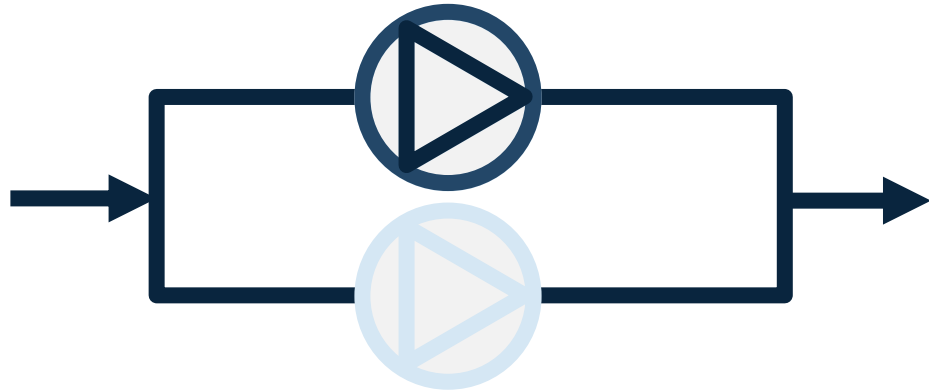


## Grundfos GO

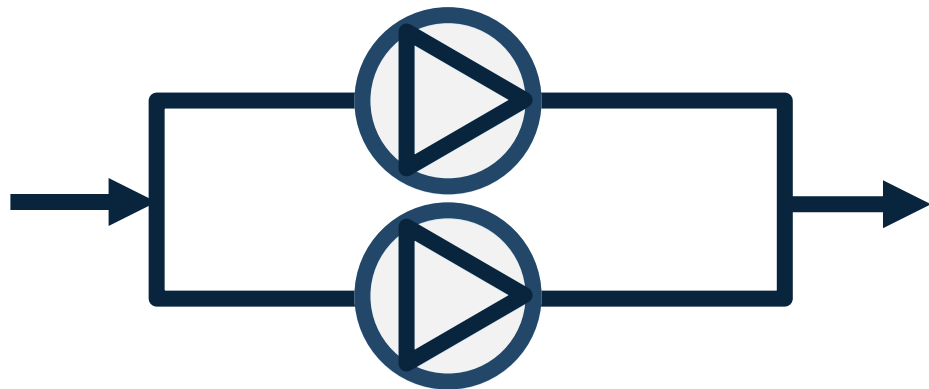
- Puštanje u rad/podešavanje SCALA1  
Jedan upravljač za sva podešenja
- Laka instalacija  
Korak po korak asistencija prema online informacijama o pumpi, održavanje i popravkar
- Laka dostupnost kod teško pristupnih instalacija  
Kod fizički teško dostupnih mjesta podešenje se radi preko aplikacije
- Stanje pumpe – rješavanje problema  
Preko statusa alarma lako se obavi dijagnostika pumpe
- Lako izvještavanje  
Lako se e-mailom pošalje izvještaj
- Multi Pump podešenje  
Lako podešenje rada dvije paralelno spojene pumpe
- Calendar funkcije  
Funkcija pametnog kalendara za podešenje navodnjavanja

# Multi pump operation

Duty/Standby



Duty/Assist



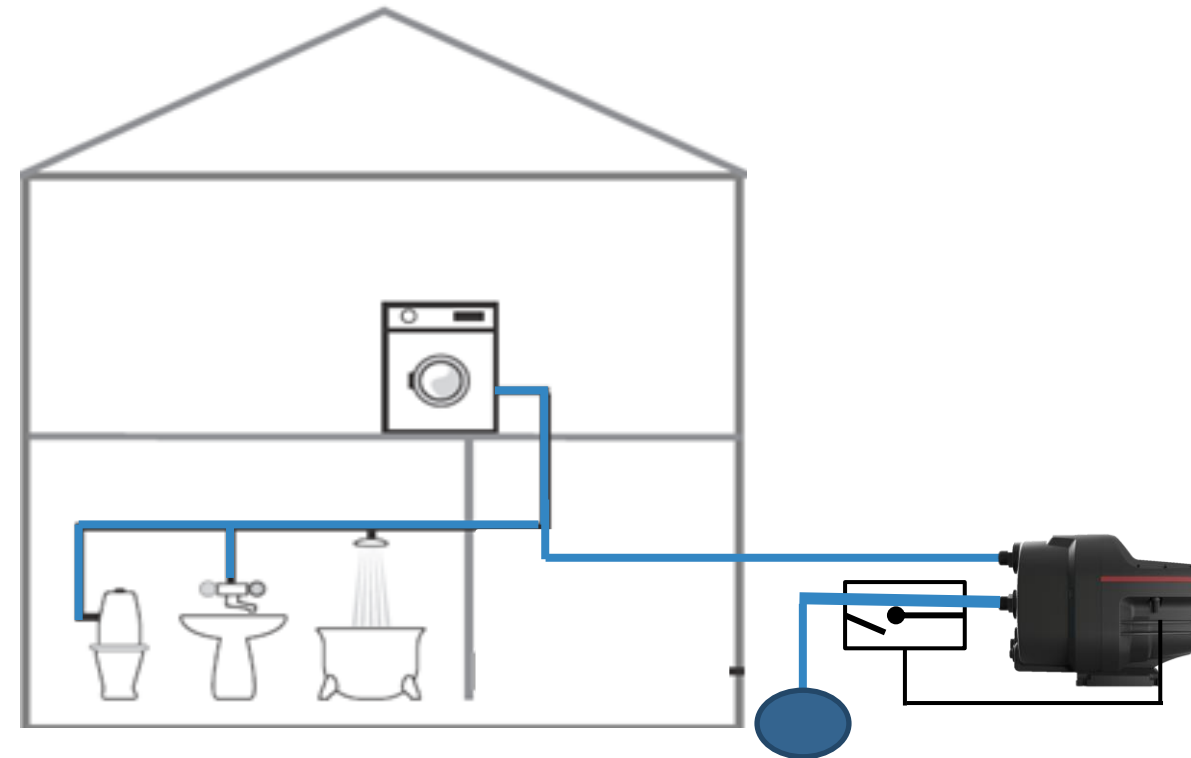
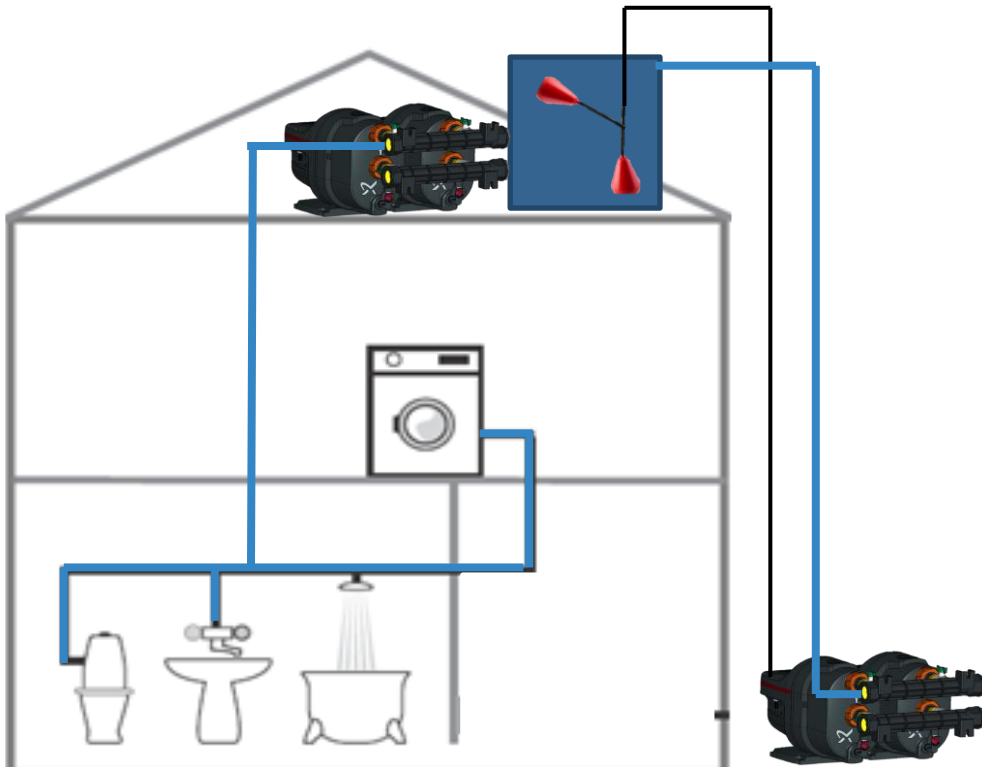
# External input for Multi application

External input will be available as an extra condition for pump control.  
This input can be used for various applications.  
Some examples are shown below.

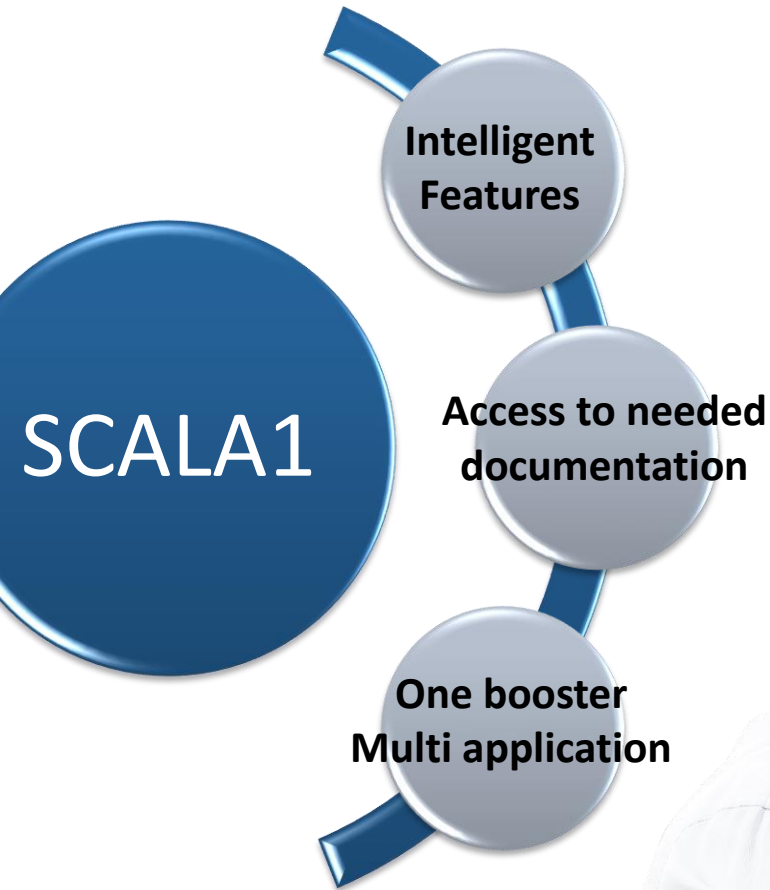
Input provides two values:

0 – No input. Pump runs on demand.

1 – Pump is stopped and Grundfos Eye shows permanent 2 yellow opposite LEDs



# Consulting engineers and specifiers



## My benefits

- The intelligent features in SCALA1 gives me the possibility to make the needed adjustments, to provide my customer with the optimal performance and flexibility.
- All drawings and documentation readily available from Grundfos.
- As SCALA1 works in multi application I only have to focus on one booster offering as this gives me the needed flexibility.

# Made in Europe

*Photo from production plant in Hungary*

- Produced, assembled and packaged in Hungary, Nagykanizsa
- State-of-the-art facility
- All relevant environment and quality certifications

**OHSAS 18001 Health  
and Safety**

**ISO14001  
Enviromental**

**ISO9001 Quality**

# Globally approved



## MARKINGS

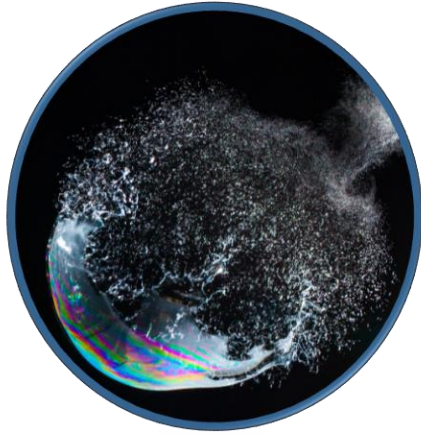


## APPROVALS

**ACS**  **WRAS**



# Testing during development



**BURST TEST**



**PACKAGING DROP TEST**



**ROBUSTNESS TEST**

- Climate container
- ON/OFF pressure
- Thermal cycles
- Vibration

**OTHER TESTS**

- Shaft Seal leakage
- Performance
- Noise
- Self-priming

# SCALA1 range & availability

1x115 or 230V

50Hz or 60Hz

SCALA1 3-25 1x230V 50Hz

SCALA1 3-35 1x230V 50Hz

SCALA1 3-45 1x230V 50Hz

SCALA1 5-25 1x230V 50Hz

SCALA1 5-55 1x230V 50Hz



# SCALA1 suction capability

**SCALA1 3-25**

**SCALA1 3-35**

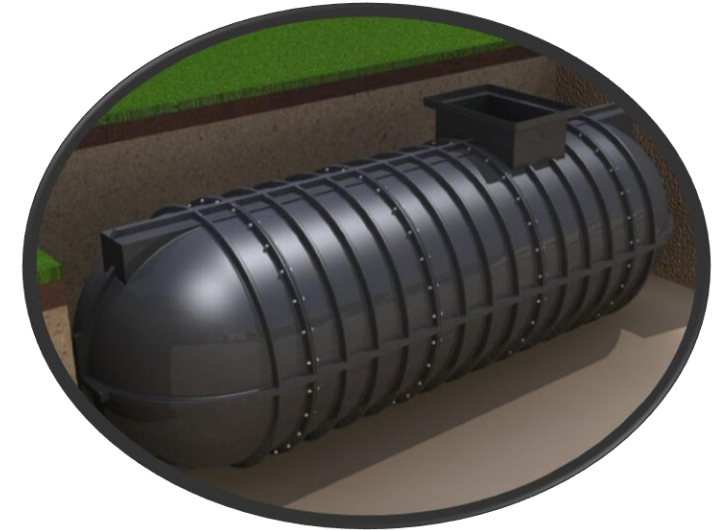
**SCALA1 3-45**

**SCALA1 5-25**

**SCALA1 5-55**



SHALLOW WELL



Underground storage tank

Suction capability  
max 8 m

# Where to install SCALA1

Ready for outdoor installation

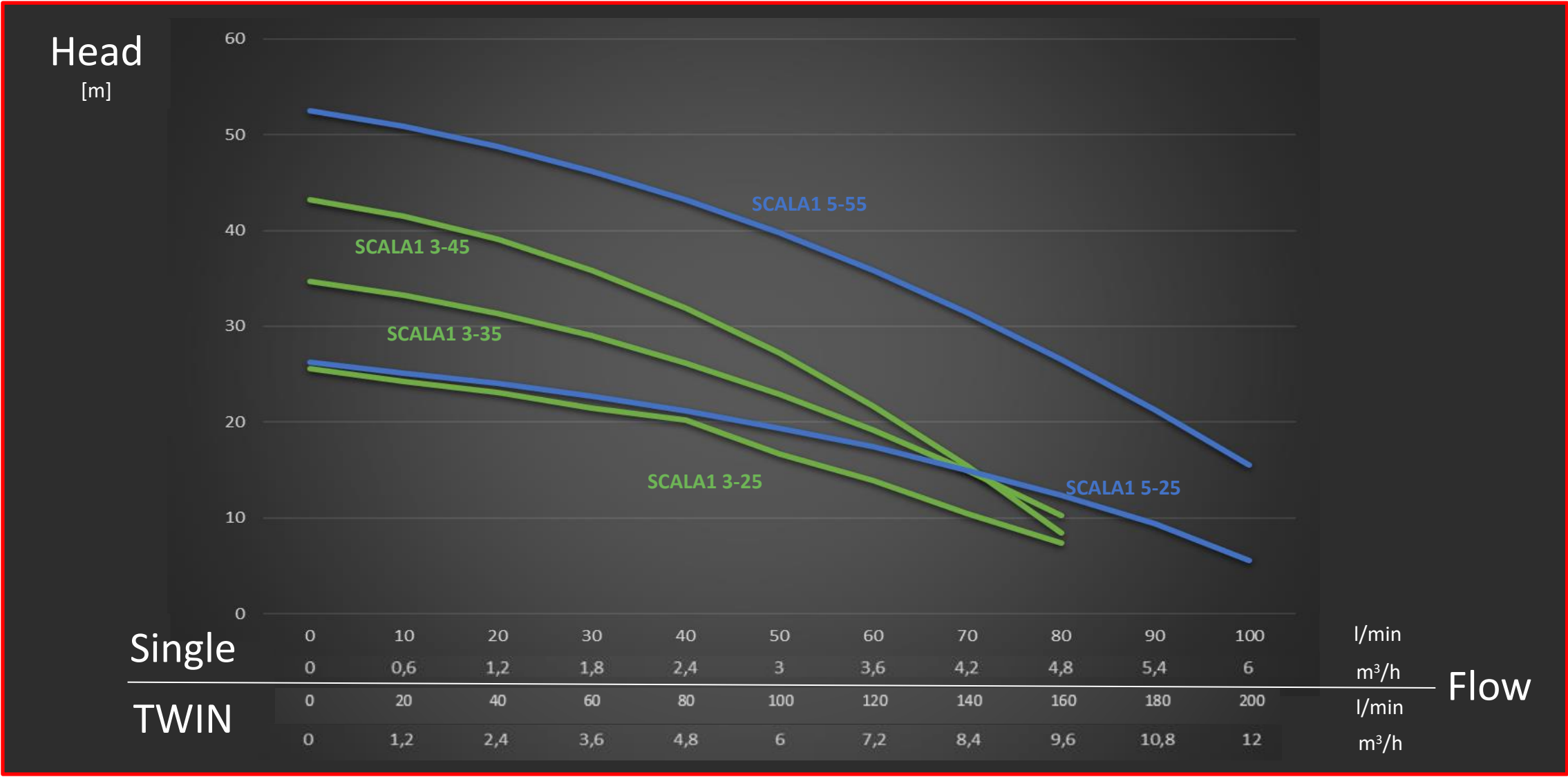
SCALA1 & SCALA2 same IP rating

➤ IPX4D



|       |                                                                                       |                                                                                                                                                                      |
|-------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP x0 |                                                                                       | No protection                                                                                                                                                        |
| IP x1 |                                                                                       | <b>Dripping water</b><br>Vertically falling drops of water have no harmful effect.                                                                                   |
| IP x2 |                                                                                       | <b>Dripping water when tilted to 15°</b><br>Vertically dripping water has no harmful effect when enclosure is tilted at an angle up to 15° from its normal position. |
| IP x3 |                                                                                       | <b>Spraying water</b><br>Water falling as a spray at any angle up to 60° from the vertical has no harmful effect.                                                    |
| IP x4 |                                                                                       | <b>Splashing of water</b><br>Water splashing against the enclosure from any direction has no harmful effect.                                                         |
| IP x5 |    | <b>Water jets</b><br>Water projected by a nozzle (6.3 mm) against enclosure from any direction has no harmful effects.                                               |
| IP x6 |   | <b>Powerful water jets</b><br>Water projected in powerful jets (12.5 mm nozzle) against the enclosure from any direction has no harmful effects.                     |
| IP x7 |  | <b>Immersion up to 1 m</b><br>Ingress of water in harmful quantity is not possible when the enclosure is immersed in water up to 1m of submersion.                   |
| IP x8 |  | <b>Immersion beyond 1 m</b><br>The equipment is suitable for continuous immersion in water. Defined by manufacturer. Normally equipment is sealed.                   |

# SCALA1 pump curve



# Packaging



## AGENDA

- **Intro**
- Application
- Features and highlights
- Benefits
- Quality
- Technical info
- Boosting your sales

# Grundfos Residential Focus Products

