

Self-Priming Water Boosting Pump

GRUNDFOS SCALA1

The Grundfos SCALA1 is a compact, all-in-one pressure booster pump engineered to deliver perfect water pressure in residential and light commercial settings. SCALA1 provides reliable performance with minimal energy use for irrigation, water transfer, or pressure boosting water supply from city mains, shallow wells (up to 26 ft.), or storage tanks.

With a high-efficiency motor and advanced hydraulic design, SCALA1 delivers robust performance with low noise. Its intelligent pump control system includes built-in timer functions and dry-run protection to safeguard the pump and streamline operation. The integrated pump control panel offers straightforward configuration out of the box.

For advanced settings, monitoring, guided commissioning, and troubleshooting, SCALA1 connects to the Grundfos GO app, giving

installers more control. Homeowners can use the Grundfos HOME app to manage schedules and optimize performance from a smartphone.

Designed for versatility, SCALA1 supports external inputs, making it compatible with float switches for filling tanks, inlet pressure sensors, and moisture detectors for irrigation control.



Built-in multi-pump technology enables twin-pump configuration. Duty/assist mode is available for increased flow capacity or duty/standby mode for redundancy. Each pump and the accompanying twin-pump accessories are available separately, providing installation flexibility.

Key features and benefits

- Built-in Bluetooth communication
- Compact, all-in-one unit includes: high-efficiency motor, pressure and flow sensor, controller, and non-return valve
- Dry-run protection
- Self-priming
- External input
- Highly efficient water-cooled motor
- Easy twin-pump configuration
- Hassle-free 3-step installation and commissioning
- Indoor and outdoor installation: X4D IP rating
- Low noise: as quiet as a modern dishwasher (55 dB(A) in typical use)

APPLICATIONS

- Residential and light commercial water supply
- Pressure boosting from mains, tanks, and wells
- Irrigation:
 - Lawn and garden
 - Greenhouses
 - Sports fields
 - Rainwater harvesting
 - Hobby farms
 - Residential sprinkler systems
- Livestock and agriculture
- Boat/dock washdown

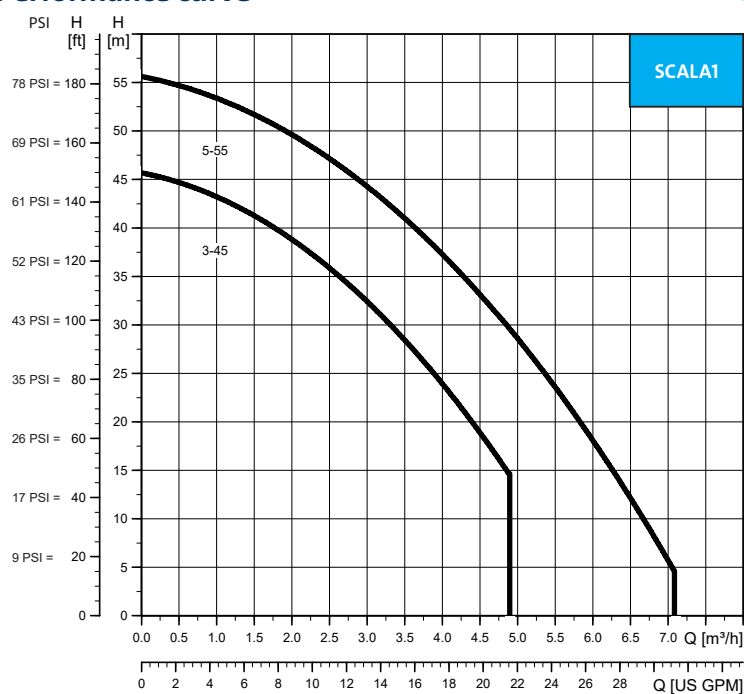
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Possibility in every drop

Technical data

	SCALA1 3-45	SCALA1 5-55
AMBIENT TEMPERATURE:	max. 131° F (55° C)	
LIQUID TEMPERATURE:	max. 113° F (45° C)	
SYSTEM PRESSURE:	max. 115 psi (8 bar)	
INLET PRESSURE:	max. 43 psi (3 bar)	max. 29 psi (2 bar)
HEAD:	max. 150 ft. (45 m)	max. 182 ft. (55 m)
NOMINAL HEAD:	82 ft. (25 m)	82 ft. (25 m)
NOMINAL FLOW:	15.8 US gpm (3.6 m ³ /h)	23.3 US gpm (5.3 m ³ /h)
IP RATING:	X4D (outdoor use ready)	
PUMPED LIQUID:	Clean water	
NOISE LEVEL:	<55 dB(A)	
NET WEIGHT:	26.5 lbs. (12.0 kg)	30.9 lbs. (14.0 kg)
SUCTION CAPABILITY:	max. 26 ft. (max 8m)	

Performance curve



Learn more at Grundfos.to/Explore-SCALA1

Product offering

SCALA1 Pump Models	
99631742	SCALA1 3-45 1x115V 60Hz NEMA 5-15 CSA
99631736	SCALA1 3-45 1x230V 60Hz NEMA 6-15 CSA
99631754	SCALA1 5-55 1x115V 60Hz NEMA 5-15 CSA
99631739	SCALA1 5-55 1x230V 60Hz NEMA 6-15 CSA
SCALA1 Accessory Kits	
99725185	Inlet Filter, 250 micron, NPT(F)1xNPT(M)1
99725168	SCALA1 TWIN Accessories Kit

Accessories

Need greater flow? A twin pump setup is available with the twin accessories kit that includes baseplate, cable, and inlet and outlet manifolds. Configuration is easy with the Grundfos GO app.



Simplify your workday with the Grundfos GO App

Download the GO app today to commission pumps and optimize power consumption.



iOS



Android

Visit Grundfos.us/pei to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.

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