

SELF-PRIMING

New feature to the proven CM
Booster technology
- Self-priming with low noise



The Grundfos CMSP Booster with pressure manager is a compact booster set for water supply in domestic applications.

The pressure booster unit consists of a Grundfos CMSP pump and a Grundfos pressure manager. The pressure manager allows the pump to start and stop automatically according to demand and protects the pump from dry running.

The CMSP Booster is very easy to install. When the booster has been connected to the pipework, it only needs to be plugged in and the system is operational.

CMSP PUMP

CM self-priming pump is a horizontal, multistage, end-suction centrifugal pump. It is fitted with a mains-operated motor and a mechanical shaft seal. The CM self-priming pump is available in stainless steel (EN 1.4301/AISI 304). The CM Booster self-priming pump can create a suction lift of up to 8 meters in less than 5 minutes when the pump is installed and commissioned correctly.

PRESSURE MANAGER

The pressure manager is the control unit of the booster system, which starts the pump when the start pressure is reached, and the pump keeps running as long as there is a flow. The control unit for CMSP Booster will be the PM1.

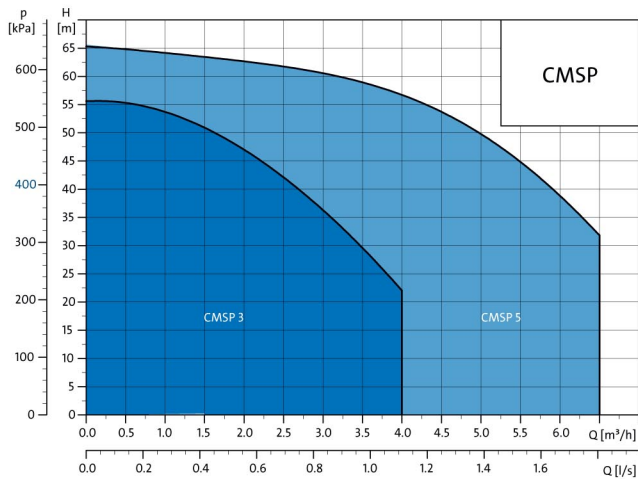
FEATURE/BENEFITS

- Self-priming
- Low noise
- Compact
- Easy installation
- Dry-run protection
- Anti cycling (leakage protection)

PM 1

The PM 1 is suitable for applications where start/stop of the pump according to consumption is needed. It is the basic control solution offering start at 1.5 or 2.2 bar.

PERFORMANCE CURVE



APPLICATIONS - BOOSTING AND SUCTION

The self-priming CM Booster pumps are designed for a wide variety of applications, ranging from small domestic installations to small industrial systems, such as:

- domestic pressure boosting
- water supply for agriculture
- transfer and pressure boosting in rainwater applications

Application	CMSP3	CMSP5
Single-family houses	●	●
Two-family houses	●	●
Cluster homes	●	●
Blocks of flats	●	●
Schools	●	●
Small hotels/guest houses	●	●
Small office buildings	●	●

● Recommended

TECHNICAL DATA

Flow Rate (Q): 6.5 m³/h
 Head (H): 56 m
 Liquid Temperature: 0-60 °C
 Ambient Temperature: max. 55 °C
 Voltage: 1x220-240Volt
 Hz: 50Hz

Materials:

Sleves: EN 1,4301/AISI 304
 Impellers/chanbers: EN 1,4301/AISI 304
 Perssure Manager: PP 30GF

SOUND PRESSURE VALUES

MODEL	SOUND PRESSURE VALUE
CMSP 3-4 PM1	52 dB(A)
CMSP 3-5 PM1	
CMSP 3-6 PM1	
CMSP 5-4 PM1	54 dB(A)
CMSP 5-5 PM1	
CMSP 5-6 PM1	



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