



BOOSTER SYSTEM

BS SINGLE PUMP

BS is a booster station pressurising water and thus designed to supply satellite stations in System Cleaners' product range. The booster is able to pressurise water up to 20 bar.

BS is designed and built according to System Cleaners' renowned principles of simple operation, robust constructions, and exceptional reliability.

HIGHLIGHTS

- Pressurisation of water
- Easy to service and hygienic design
- Produced in high-quality materials
- Frequency-controlled pump with soft start and stop
- Built-in dry run protection

VARIANTS

The BS single pump booster is available in five versions:

- BS1 - 1 user
- BS3 - up to 3 users
- BS5 - up to 5 users
- BS7 - up to 7 users
- BS10 - up to 10 users

TECHNICAL SPECIFICATIONS

MODEL	BS1	BS3	BS5	BS7	BS10
Pump type	CRNE 3-9	CRNE 3-9	CRNE 5-14	CRNE 10-9	CRNE 15-9
Motor type	IE5	IE5	IE5	IE5	IE5
Frequency drive	Integrated in pump motor	Integrated in pump motor	Integrated in pump motor	Integrated in pump motor	Integrated in pump motor
Number of users	1	Up to 3	Up to 5	Up to 7	Up to 10
Motor power	2.2 kW	4.0 kW	6.0 kW	7.5 kW	11 kW

OUTLET

Setpoint	20 bar	20 bar	20 bar	20 bar	20 bar
Maximum flow at 20 bar (incl. 4.0 bar inlet pressure)	30 liter/min	90 liter/min	150 liter/min	210 liter/min	300 liter/min
Connection (external thread)	1½" BSP	1½" BSP	1½" BSP	1½" BSP	2" BSP

DIMENSION

Height	1.210 mm	1.210 mm	1.210 mm	1.210 mm	1.550 mm
Width	570 mm	570 mm	570 mm	570 mm	615 mm
Depth	410 mm	410 mm	410 mm	410 mm	445 mm
Weight	90 kg	100 kg	130 kg	150 kg	210 kg

WATER INLET

Connection (external thread)	1½" BSP	1½" BSP	1½" BSP	1½" BSP	2" BSP
Min. pressure	1.5 bar	1.5 bar	1.5 bar	1.5 bar	1.5 bar
Max. pressure	10 bar	10 bar	10 bar	10 bar	10 bar
Min. temperature	3°C	3°C	3°C	3°C	3°C
Max. temperature	70°C	70°C	70°C	70°C	70°C
Min. recommended flow	3 m³/h	7.5 m³/h	12 m³/h	15 m³/h	22.5 m³/h
Max. pump cut-out pressure	1.5 bar	1.5 bar	1.5 bar	1.5 bar	1.5 bar
Min pump cut-out temperature	90°C	90°C	90°C	90°C	90°C

ELECTRICAL SUPPLY

Voltage	3 x 380-500V +/- 10%	3 x 380-500V +/- 10%	3 x 380-500V +/- 10%	3 x 380-500V +/- 10%	3 x 380-500V +/- 10%
Frequency	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Current	4.5 - 3.4 amp	7.6 - 6.2 amp	11.5 - 9.0 amp	14.1 - 11.2 amp	22.5 - 18.8 amp
Recommended pre-fusing	10 amp	16 amp	20 amp	32 amp	50 amp
Recommended cable cross section	4 x 1.5 mm²	4 x 1.5 mm²	4 x 1.5 mm²	4 x 2.5 mm²	4 x 4 mm²