

Ensure a high level of hygiene with our compact, frequency-controlled booster stations

BS 20/30/40-20 are floor mounted booster stations designed to supply satellite stations in System Cleaners product range.

The stations boost water within a range of 5-25 bar and supply up to 40 workstations depending on the chosen model.

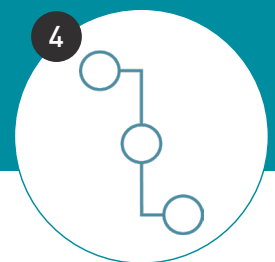
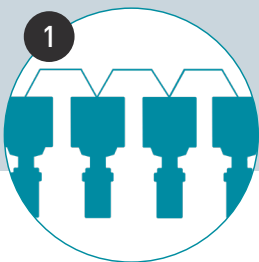
The booster station safeguards the cleaning cycle and secures a constant water supply to your workstations. In the event of a defective pump or pressure transmitter, the remaining pumps will automatically continue operations at the same pressure though at reduced flow capacity. Downtime due to failure is avoided and your cleaning process safeguarded.

It must be placed in a separate technical room or the like to screen it from the processing environment.

HIGHLIGHTS

- 1 Software controlled through Grundfos GENIbus - no control box
- 2 SMART pump technology
- 3 Service report with Grundfos GO and dongle
- 4 Prepared for external setpoint and start, ready and warning signal

- ✓ Frequency controlled pump with soft start and stop
- ✓ Built-in dry-run protection
- ✓ Grundfos energy saving IE5 pump motors
- ✓ Adjustable setpoint between 5-25 bar
- ✓ Outlet pressure adjustment on pump
- ✓ Supplies up to 40 workstations
- ✓ Manufactured under ISO 9001-certified quality management system



TECHNICAL SPECIFICATIONS

VARIANT	BS10-20	BS20-20	BS30-20	BS40-20
Number of users/workstations	Up to 10	Up to 20	Up to 30	Up to 40
Pump type	1xCRNE 10-12	2xCRNE 10-12	3xCRNE 10-12	4xCRNE 10-12
Motor type	IE5	IE5	IE5	IE5
Motor power	1x11 kW	2x11 kW	3x11 kW	4x11 kW
Degree of protection	IP54	IP54	IP54	IP54
Frequency drive	Integrated	Integrated	Integrated	Integrated

INSTALLATION				
Ambient temperature	3-40°C	3-40°C	3-40°C	3-40°C

DIMENSIONS				
Height	1215 mm	1215 mm	1215 mm	1215 mm
Width	825 mm	885 mm	885 mm	945 mm
Depth	445 mm	680 mm	1080 mm	1480 mm
Weight	210 kg	420 kg	630 kg	840 kg

ELECTRICAL SUPPLY				
Voltage and frequency	3x380-500V/50-60Hz	3x380-500V/50-60Hz	3x380-500V/50-60Hz	3x380-500V/50-60Hz
Current	1x20.6-16 A	2x20.6-16 A	3x20.6-16 A	4x20.6-16 A

WATER SUPPLY				
Connection	2" BSP	3" - DN80 DIN 2635/PN 40	3" - DN80 DIN 2635/PN 40	4" - DN100 DIN 2635/PN 40
Temperature	3°-70°C	3°-70°C	3°-70°C	3°-70°C
Min. flow	22.5 m³/h	45 m³/h	67.5 m³/h	90 m³/h
Min. inlet pressure	1.5 bar	1.5 bar	1.5 bar	1.5 bar
Max. inlet pressure	10 bar	10 bar	10 bar	10 bar
Pump cut-out, temperature	> 90°C	> 90°C	> 90°C	> 90°C

WATER OUTLET				
Adjustable setpoint	5-25 bar	5-25 bar	5-25 bar	5-25 bar
Standard setpoint	20 bar	20 bar	20 bar	20 bar
Max. flow at 20 bar*	300 liter/min	600 liter/min	900 liter/min	1200 liter/min
Max. flow at 25 bar*	270 liter/min	540 liter/min	810 liter/min	1080 liter/min
Connection	2" BSP	3" - DN80 DIN 2635/PN 40	3" - DN80 DIN 2635/PN 40	4" - DN100 DIN 2635/PN 40

* Including 4.0 bar inlet pressure.

System Cleaners reserves the right to make alterations to the technical specs without prior notice.