

Standard circulation pumps for potable water

BUPA G series, T3 product group



Technical data

Rate of flow:	up to 3.8 m ³ /h
Pressure head:	up to 7 m
Media temperature:	+2 °C to +110 °C
Installation length:	130 and 180 mm
Threaded connection:	1", 1½" and 2"
Protection class:	IP 44
Insulation class:	H
Nominal pressure:	PN 10
Control:	3-step switch with manual speed selection

Product features

- manual start-up feature
- energy-optimised
- space-saving axially integrated terminal box
- cataphoretic coated pump housing

Use

The BUPA G series circulation pumps are wet rotor circulators designed only for use in potable water systems with constant or variable flow rates. They feature a corrosion-resistant pump housing (cataphoretic coated) and are thus suitable for potable water circulation systems.

Main areas of use

Only for use in potable water systems.

Materials

Component	Material	Material no.
Pump housing	Grey-cast iron	0.6020
Impeller	Polyamide (PA - GF 35)	
Shaft	Ceramic	
Bearing	Ceramic	
Bearing plate	Stainless steel	1.4301
Can	Stainless steel	1.4301

Flow media

- potable water to a degree of hardness of 14 °dH (temporary hardness)
- media with a max. viscosity of 10 mm²/s

Temperature range

Ambient temperature:	0 °C to +40 °C
Temperature class:	TF 110
Media temperature:	+2 °C to +110 °C

Ambient temperature

To avoid condensation forming in the terminal box and stator, the media temperature must always be the same or higher than the ambient temperature.

Ambient temp.	Media temp. min.	Media temp. max.
0	2	110
10	10	110
20	20	110
30	30	110
35	35	110
40	40	110

Motor protection

External motor protection is not required.

Speed switching

The respective speed is set via a rotary switch integrated in the axial terminal box.

Minimum inflow pressure

Please determine the minimum inflow pressure for corresponding temperature from the following table.

Media temperature	< 85 °C	90 °C	110 °C
Minimum inflow pressure	0.05 bar	0.3 bar	1.10 bar

Sound pressure level

The sound pressure level is < 45 dB (A)



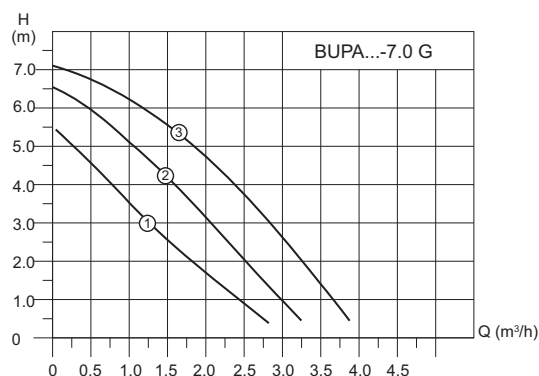
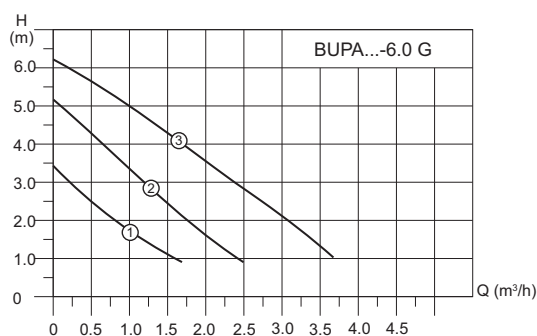
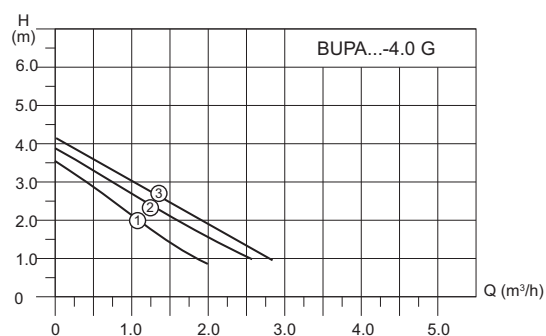
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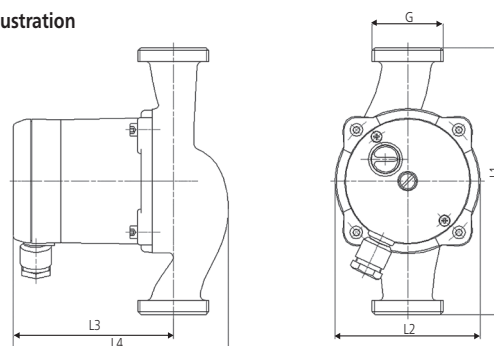
Type	Connection pipe	Threaded connection	Installation length (mm)	Voltage (V)	P1 (W)	In (A)	Weight (kg)	Product no.
BUPA 15-4.0 G130	½"	1"	130	230	33 ... 44	0.14 ... 0.19	2.6	0321-30004
BUPA 15-7.0 G130	½"	1"	130	230	54 ... 93	0.24 ... 0.41	2.6	0321-30007
BUPA 25-4.0 G130	1"	1½"	130	230	33 ... 44	0.14 ... 0.19	2.6	0323-30004
BUPA 25-6.0 G130	1"	1½"	130	230	43 ... 80	0.19 ... 0.34	2.6	0323-30006
BUPA 25-7.0 G130	1"	1½"	130	230	54 ... 93	0.24 ... 0.41	2.6	0323-30007
BUPA 25-4.0 G180	1"	1½"	180	230	33 ... 44	0.14 ... 0.19	2.7	0323-30204
BUPA 25-6.0 G180	1"	1½"	180	230	43 ... 80	0.19 ... 0.34	2.8	0323-30206
BUPA 25-7.0 G180	1"	1½"	180	230	54 ... 93	0.24 ... 0.41	2.8	0323-30207
BUPA 30-4.0 G180	1¼"	2"	180	230	33 ... 44	0.14 ... 0.19	2.8	0324-30204
BUPA 30-6.0 G180	1¼"	2"	180	230	43 ... 80	0.19 ... 0.34	2.8	0324-30206
BUPA 30-7.0 G180	1¼"	2"	180	230	54 ... 93	0.24 ... 0.41	2.8	0324-30207



Dimensions

Type	L1	L2	L3	L4
BUPA G	130/180	98	108	145

Dimension illustration



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