

Circulation pumps for domestic water, pressure head 7-12 m

BGPA series, BG product group



From **1.1.2013** the BGPA series must only be used in the European Union as circulation pump in drinking water systems in compliance with DIN 98/83/EG.

Technical data

Rate of flow: up to 12.0 m³ / h
 Pressure head: up to 12 m
 Media temperature: +2 °C to +110 °C
 Installation length: 180 mm
 Threaded connection: 1¼" and 1½"
 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
- space-saving axially integrated terminal box
- pump housing in bronze

Use

The BGPA series circulation pumps are wet rotor circulators designed for use in drinking water systems with a flow rate of > 5 m³ / h. They feature a corrosion-resistant housing in bronze and are thus designed for use in drinking water circulation systems.

Materials

Component	Material	Material no.
Pump housing	Bronze (RG 5)	2.1096 (low-lead)
Impeller	Polypropylene (PP - GF 30)	
Shaft	Ceramic	
Bearing	Ceramic	
Bearing plate	Brass	2.0401
Can	Stainless steel	1.4301

Flow media

- drinking water and heated drinking water to a temperature of 65 °C and a degree of hardness of 14 °dH (temporary hardness)
- pure, thin, non-aggressive and non-explosive, mineral oil-free media without solid or long-fibre components
- 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 the build-up of condensation, the ambient temperature must always be lower than the media 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)

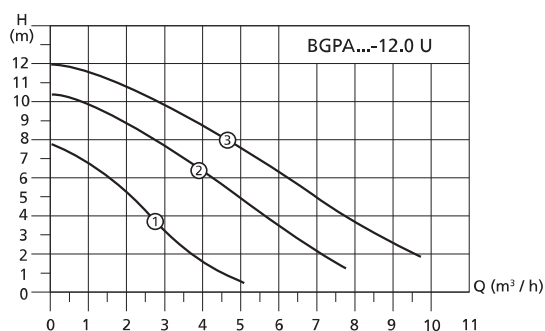
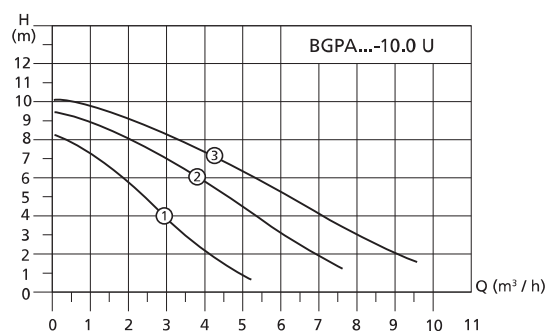
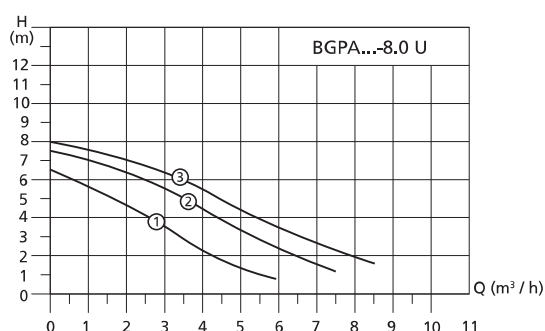
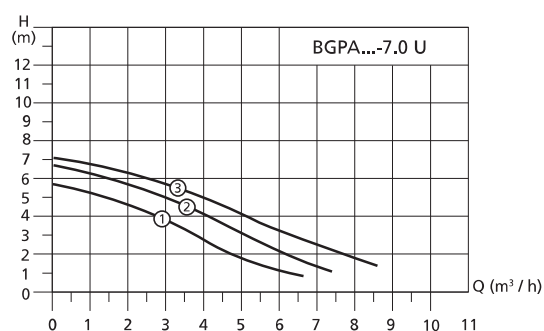
Circulation pumps for domestic water, pressure head 7-12 m

BGPA series, BG product group



Technical data

Type	Connection pipe	Threaded connection	Installation length (mm)	Voltage (V)	P1 (W)	In (A)	Weight (kg)	Product no.
BGPA 20-7.0 U 180	¾"	1¼"	180	230	220 ... 260	1.03 ... 1.13	6.5	0332-40207
BGPA 20-8.0 U 180	¾"	1¼"	180	230	260 ... 286	1.23 ... 1.25	6.5	0332-40208
BGPA 20-10.0 U 180	¾"	1¼"	180	230	283 ... 357	1.35 ... 1.56	6.5	0332-40210
BGPA 20-12.0 U 180	¾"	1¼"	180	230	285 ... 400	1.36 ... 1.73	6.5	0332-40212
BGPA 25-7.0 U 180	1"	1½"	180	230	220 ... 260	1.03 ... 1.13	6.5	0333-40207
BGPA 25-8.0 U 180	1"	1½"	180	230	260 ... 286	1.23 ... 1.25	6.5	0333-40208
BGPA 25-10.0 U 180	1"	1½"	180	230	283 ... 357	1.35 ... 1.56	6.5	0333-40210
BGPA 25-12.0 U 180	1"	1½"	180	230	285 ... 400	1.36 ... 1.73	6.5	0333-40212



Dimensions

Type	L1	L2	L3	L4
BGPA	180	135,5	166	206

Dimension illustration

