

Lead-Free Wet Rotor Circulators for Hot Water Circulation

Description

A residential or light commercial, maintenance-free, in-line, lead-free† bronze, wet rotor circulator for potable water systems and other applications. Flanged, union or sweat models available.  and  listed.

Operating Data

Maximum working pressure150 psi (10 bar)
Maximum operating temperature
NBF-25, NBF-33, NBF-36, NBF-45 225°F (107°C)
All Others 230°F (110°C)
Shaft Ceramic
Bearings Double-Sintered Carbon

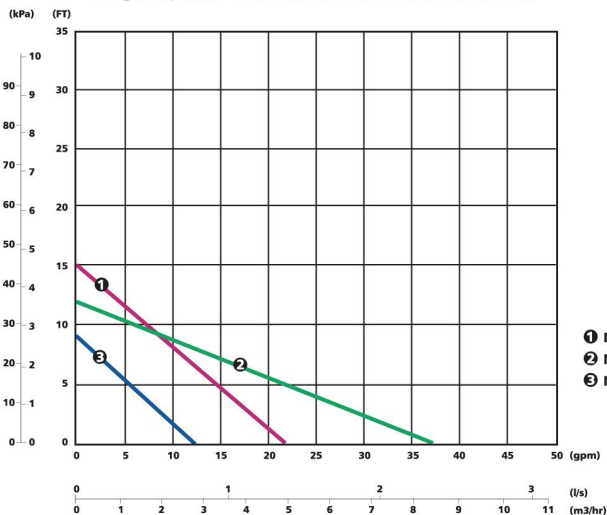
Materials of Construction

Pump Body NBF Lead-Free† Bronze
SSF Stainless Steel
Impeller Noryl
Shaft Ceramic
Bearings Double-Sintered Carbon

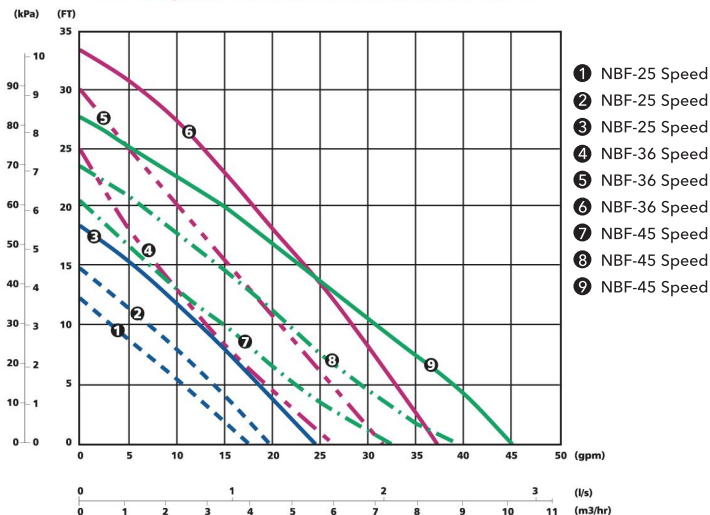
Warranty

Bell & Gossett offers a warranty of three years from date of manufacture or 18 months from date of installation (which ever comes first) against failure as a result of defects in materials and workmanship.

Single Speed—NBF 60 HZ Performance Curve



Three Speed—NBF 60 HZ Performance Curve



Cross Reference

BELL & GOSSETT

NBF-8S/LW
NBF-9U/LW
NBF-10S/LW
NBF-12U/LW
NBF-12F/LW
NBF-18S
NBF-22U
NBF-22
SSF-22
NBF-25
NBF-33
NBF-36

GRUNDFOS‡

UM 15-10B5
UP 15-18SU
UP 15-18B5
UP 15-42SU
UP 15-42SF
UP 15-42B5
UP 25-64SU
UP 25-64SF
UP 25-64SF
UPS15-58
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UP26-96BF
UP26-99BF
UP26-64SF
UP43-75BF

TACO♦

003B
006B
006B
005B
005B
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007B
007B
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00R-MS
0010B
0011B
0013B
0014B
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NBF-45

‡ Grundfos is a registered trademark of Grundfos Pumps Corp.

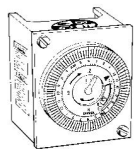
♦ Taco is a registered trademark of Taco, Inc.

Model Number	Part Number	Connections	Dimensions Inches (mm)			Standard 60 Cycle Motor Characteristics*					Shipping Weight lbs. (Kg)
			A	B	C	Watts	Ø	Volts	F.L. Amps	RPM	
NBF-8S/LW	103257LF	1/2" Sweat	5 (127)	5 7/32 (132)	4 7/8 (124)	39	1	115	0.39	2800	9.0 (4.1)
NBF-9U/LW	103258LF	Union**	6 1/8 (156)	5 1/16 (129)	4 7/8 (124)	41			0.40		9.3 (4.2)
NBF-10S/LW	103259LF	1/2" Sweat	5 (127)	5 7/32 (132)	4 7/8 (124)	55			0.46		9.0 (4.1)
NBF-12F/LW	103260LF	Flange 3/4, 1, 1 1/4, 1 1/2	6 3/8 (162)	5 9/16 (141)	4 7/8 (124)	55			0.48		9.5 (4.3)
NBF-12U/LW	103261LF	Union**	6 1/8 (156)	5 1/16 (129)	4 7/8 (124)	55			0.48	3000	9.3 (4.2)
NBF-18S	103316LF	1/2" Sweat	5 (127)	5 7/32 (132)	4 7/8 (124)	90			0.74		9.0 (4.1)
NBF-22	103252LF	Flange 3/4, 1, 1 1/4, 1 1/2	6 3/8 (162)	5 9/16 (141)	4 7/8 (124)	92			0.80		9.5 (4.3)
NBF-22U	103255LF	Union**	6 1/8 (156)	5 1/16 (129)	4 7/8 (124)	92			0.80	2940	9.3 (4.2)
SSF-22	103357LF	Flange 3/4, 1, 1 1/4, 1 1/2	6 3/8 (162)	5 9/16 (141)	4 7/8 (124)	92			0.80		9.5 (4.3)
NBF-33	103351LF	Flange 3/4, 1, 1 1/4, 1 1/2	6 3/8 (162)	6 3/16 (157)	5 1/8 (130)	125			1.10		10.4 (4.7)
NBF-36	103401LF	Flange 3/4, 1, 1 1/4, 1 1/2	6 3/8 (162)	6 7/8 (175)	5 3/4 (146)	270			2.30	3300	13.1 (6.0)
NBF-45	103405LF	Flange 1, 1 1/4, 1 1/2	8 1/2 (216)	7 3/8 (187)	5 3/4 (147)	270					14.5 (6.6)

* 230/60/1 motors available upon request. Impedance protected

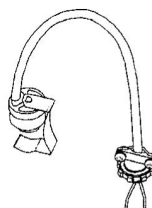
** Union Connections are available in 3/4" NPT, 1/2" sweat & 3/4" sweat.

† Contains less than 0.25% lead content by weight on wetted surfaces.



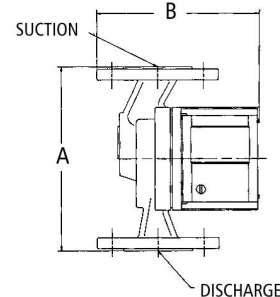
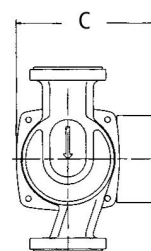
TC-1 Automatic Timer Kit— (Part No. 113210)

To increase the overall efficiency of a hot water recirculation system, the TC-1 timer control kit can be installed for use on any B&G NBF circulator. The TC-1 timer control is programmable to turn the circulator ON and OFF automatically at preset times. This permits the user to have the pump circulate hot water only during those times when high usage can be expected throughout the day.



AQS-1/2 (Part No. 113223) and AQS-3/4 (Part No. 113224)

Aquastat—are designed to thermostatically turn any B&G NBF circulator ON and OFF. The AQ-1/2 or AQ-3/4 will switch the pump OFF at 120°F (48.9°C) and ON at 100°F (37.8°C). The aquastats are available in separate models that will sense the temperature for either 1/2" or 3/4" copper pipe.



xylem
Let's Solve Water

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