

Application and Features

Туре	PN	Application	Features
SB0	PN 6	Installed downstream of circulating pumps in heating and hot water installations in order to avoid gravity circulation	Plastic valve cone with advanced flow characterisc

Pressure/Temperature Ratings / Material

Max. service pressure [bar]		Max. service	Materials		
		temperature [°C]	Body	Valve cone	
	6	130¹)	Brass	PP0	

¹⁾ Max. service temperature at atmospheric pressure

Dimensions

Туре			SB0 11		SB0 21		SB0 31		
Size	DN		1"	1 ¹ /4"	1"	11/4"	3/4"	1"	11/4"
	L	[mm]	66	82	57	70	39	40	45
Connections	Inlet ²)		G 11/2	G 2	G 11/2	G2	C 11/.	G 11/2	G 2
(BSP thread)	Outlet		G 1	G 11/4	R1	R 11/4	G 1 ¹ / ₄		

²⁾ SBO 11 and SBO 21: Thread of union nut

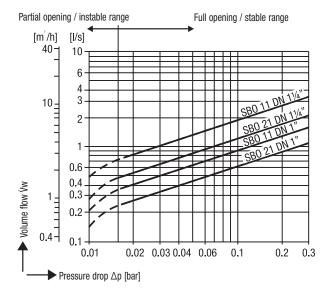
Opening Pressures

Differential pressures at zero volume flow.

Туре	DN	Opening pressure [mbar]				
		Direction of flow				
		with- out with spring				
		spring	1	\rightarrow	\downarrow	
SB0 11	1" 11/4"	1	7	6	6	
SB0 21	1" 11/4"	1	7	6	5	
SB0 31	3/4" 1" 1 ¹ /4"	2	9	7	5	

Pressure Drop Charts

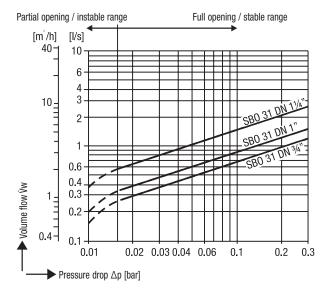
SB0 11, SB0 21



Curve 1: SBO 21 DN 1" Curve 2: SBO 11 DN 1"

Curve 3: SBO 21 DN 11/4" Curve 4: SBO 11 DN 11/4"

SB0 31



Curve 1: SBO 31 DN 3/4"

Curve 2: SBO 31 DN 1"

Curve 3: SBO 31 DN 11/4"