

# Flow Limiters

## BF

### Operating method

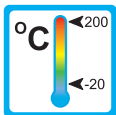
The flow limiter works on a purely mechanical basis and does not require an additional power source. The cross-sectional area available to the flowing medium changes with fluctuations in pressure so that an almost constant flow rate can be maintained.



### Application

The flow limiters of the BF series are used to maintain a constant flow rate or restrict the flow rate of liquid media. Among numerous other applications, the flow limiters may be employed in the following areas:

- Water treatment
- Irrigation
- Sanitary installations



### Characteristics

The regulating pressure range of the flow limiter is between 2 and 10 bar. Further characteristics of this robust series are:

- installation in any mounting position
- high functional reliability
- suitable for hot water
- sandwich mounting

### Installation Information

Installation of the limiter can be done in any way in the system. The flow direction must be observed.

The limiter must not be used as a supporting part in a pipe system.

The medium must not contain any solid particles!



## Technical data and technical drawing

### Materials

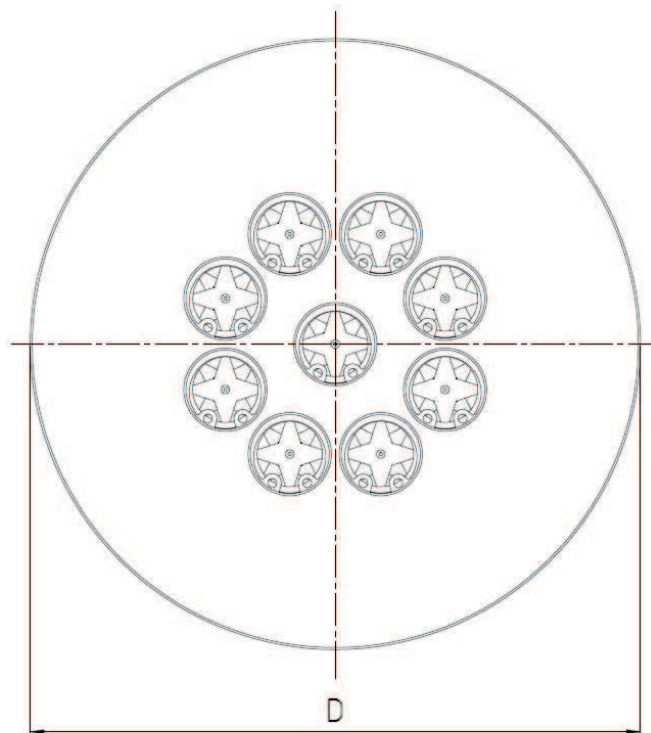
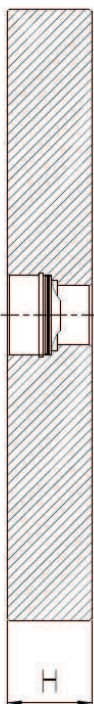
Operating data	BF
Flange PN 16	
Maximum control pressure	10 bar
Minimum control pressure	2 bar
Accuracy:	up to 2 l/min: $\pm 15\%$ of nominal value, at 3 l/min: $\pm 10\%$ of nominal value
Maximum temperature:	200 °C

Operating data	BF
<b>Materials:</b>	Stainless steel
Body (Flange):	1.4571
Star:	1.4310
Cone:	1.4301
Rivet:	1.4301
Retainer ring:	A2

### Summary of types

Type	Nominal diameter	Norm	Number of drilled openings	pressure level of sandwich mounting	min. flow [l/min]	max. flow [l/min]	H [mm]	D [mm]
BF	DN 40	DIN / ASME	2	PN 16 / 300 lbs	2	60	19,1	95
BF	DN 50	DIN	4	PN 16	4	120	18,0	110
BF	DN 50	ASME	4	300 lbs	4	120	23,9	113
BF	DN 65	DIN / ASME	7	PN 16 / 300 lbs	7	210	23,9	130
BF	DN 80	DIN	9	PN 16	9	270	20,0	145
BF	DN 80	ASME	9	300 lbs	9	270	23,9	150
BF	DN 100	DIN	14	PN 16	14	420	20,0	165
BF	DN 100	ASME	14	300 lbs	14	420	23,9	182

### Technical drawing



Begrenzer BF 2 0002 06-12 E M