

# Flow Limiters



## Flow limiters

The **Bermad** flow limiters are in the form of an adapter or a metal flange having, according to size, an appropriate number of modulating orifices. These openings are made of a special synthetic rubber composition and have been calibrated for a constant capacity. By combining several modulating orifices which have a known capacity, it is possible to obtain the capacity required.

## Product features:

- Simple construction – no moving mechanical parts
- Accurate flow control – better than  $\pm 15\%$
- Maintenance-free
- Easy to install
- Changing the capacity by simply changing the modulating orifices
- Flow limiters can be mounted both horizontally and vertically
- Strong non-corrosive structure

## Working:

The flow limiter maintains a constant capacity regardless of changing system pressures and/or demand. This effect is achieved by contracting the passage in the calibrated modulating orifice under the influence of pressure.



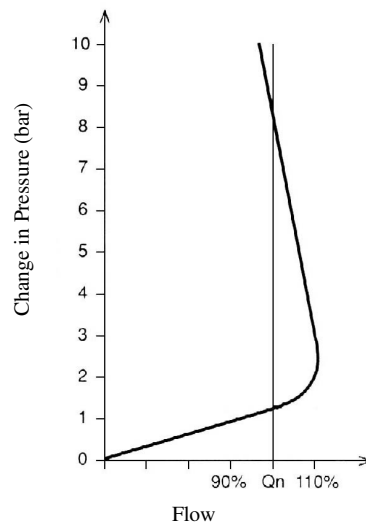


## Flow limiters Technical Data

### Specifications:

- Materials: Flange type body: zinc-plated steel St.1.117 (other materials possible)  
Adapter type body: brass (other materials possible)
- Elastomeer: high quality compounded synthetic rubber, can endure aging and wear and has elastic characteristics.
- Pressure: up to 16 bar
- Temperature: up to 40°C

### Flow diagram:



### Capacities flow limiters:

1/2" – 2" adapter type – brass, male/female thread connections

- 1/2" :0.23 – 0.34 – 0.45 – 0.51 – 0.78 m<sup>3</sup>/h
- 3/4" :0.23 – 0.34 – 0.45 – 0.51 – 0.78 m<sup>3</sup>/h
- 1" :2.3 – 2.7 – 3.4 – 4.5 – 5.7 – 6.8 m<sup>3</sup>/h
- 1 1/2" :2.3 – 2.7 – 3.4 – 4.5 – 5.7 – 6.8 m<sup>3</sup>/h
- 2" :10 – 15 – 20 – 25 m<sup>3</sup>/h

1 1/2" – 8" flange type – zinc-plated steel/rubber type G:

- 1 1/2" :1-3 rubbers 2.3-20 m<sup>3</sup>/h
- 2" :1-4 rubbers 2.3-27 m<sup>3</sup>/h
- 3" :1-7 rubbers 2.3-47 m<sup>3</sup>/h
- 4" :1-9 rubbers 2.3-61 m<sup>3</sup>/h
- 6" :1-20 rubbers 2.3-136 m<sup>3</sup>/h
- 8" :1-35 rubbers 2.3-238 m<sup>3</sup>/h

3" – 16" flange type – zinc-plated steel/rubber type H:

- 3" :1-3 rubbers 10-75 m<sup>3</sup>/h
- 4" :1-4 rubbers 10-100 m<sup>3</sup>/h
- 6" :1-8 rubbers 10-200 m<sup>3</sup>/h
- 8" :1-14 rubbers 10-350 m<sup>3</sup>/h
- 10" :1-21 rubbers 10-525 m<sup>3</sup>/h
- 12" :1-29 rubbers 10-725 m<sup>3</sup>/h
- 14" :1-37 rubbers 10-925 m<sup>3</sup>/h
- 16" :1-44 rubbers 10-1100 m<sup>3</sup>/h



UVAR

Subject to changes and/or misprints

