



**BFR type PRESSURE REDUCING VALVE**

Model/Ref: 2420050SE



*Partnership.  
Without Limits.*

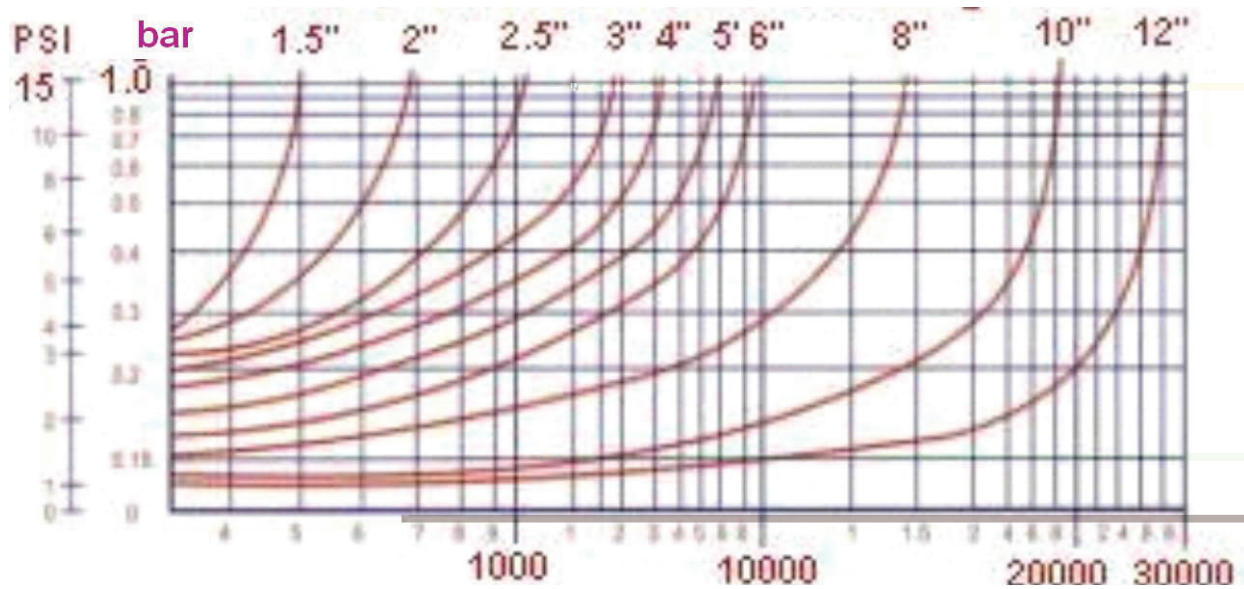
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Technical data given for information purpose only. May be subject to alteration without prior notice

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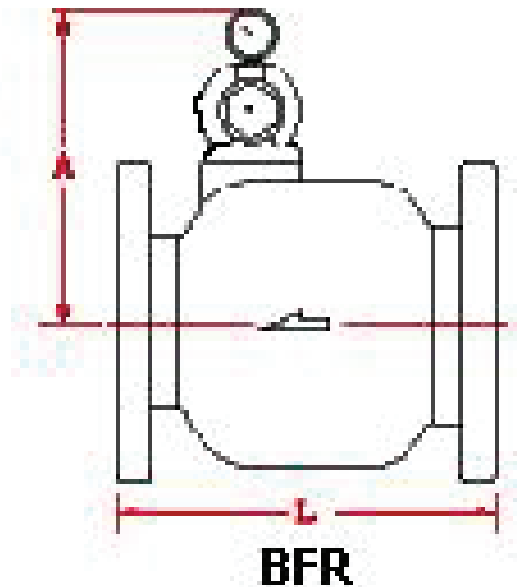
**SIZING CHART FOR WATER**



Water flow (L/min)

**DIMENSIONS (mm) AND WEIGHT (kg)**

DN	L	A	Weight	Kv
50	190	180	12	65
65	210	185	15	91
80	225	200	18	121
100	250	222	24	225
125	280	235	32	337
150	310	260	44	476
200	420	300	87	865
250	470	335	152	1387
300	530	370	202	1903
350	600	415	285	2595



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### MOUNTING AND MAINTENANCE

#### 1. Mounting

<b>1.1</b>	Please check if the pressure range indicated on the body matches the working conditions requirements.
<b>1.2</b>	The BFR reducer has to be installed in a horizontal or vertical position with bottom-up flow only.
<b>1.3</b>	Please shut off the up and downstream valves, depressurize the piping and lower the installation temperature to room temperature before any mounting/service.
<b>1.4</b>	Install a filter upstream, and an isolating valve upstream and downstream.
<b>1.5</b>	Carefully remove any particle remaining on the piping by clearing with water or blowing with compressed air.
<b>1.6</b>	Install the pressure reducing valve following the direction of the arrow on the body, and with the manometer heading upwards.
<b>1.7</b>	Open the up and downstream valves.
<b>1.8</b>	To adjust the downstream pressure, please use the pilot valve adjusting screw and the manometer pressure indication.
<b>1.9</b>	Lock the adjusting screw in the required position thanks to the nut.

#### 2. Maintenance

<b>2.1</b>	Before any intervention, please shut the up and downstream pipes off using the isolating valves. Depressurize the piping and lower the installation temperature to room temperature.
<b>2.2</b>	Remove the upstream filter cap and clean or replace the strainer.
<b>2.3</b>	For a complete check of the device, separate the seat ( <i>mark 9 on the drawing on page 1</i> ) from the body ( <i>mark 1</i> ).
<b>2.4</b>	Remove the stem ( <i>mark 10</i> ) and the piston ( <i>mark 7</i> ). Check the condition of the gaskets ( <i>marks 6 and 8</i> ) and replace them if necessary.
<b>2.5</b>	Check the condition of the spring ( <i>mark 5</i> ) and replace it if broken.
<b>2.6</b>	Clean all the internal parts.
<b>2.7</b>	Re-install the dismantled parts in the reverse order.
<b>2.8</b>	Put the device back to operation by slowly opening the upstream valve, and then the downstream valve.
<b>2.9</b>	Re-adjust the outlet pressure using the pilot valve.

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