Back Pressure Regulator

Forbes Marshall Back Pressure Regulator

The Forbes Marshall Back Pressure Regulator (BPR) ensures priority sample flow to analyzers.

It works in a reverse manner to that of a pressure regulator. That means, it provides constant upstream pressure conditions irrespective of fluctuations. For analyzers, constant, regulated pressures as well as flow conditions are always required to be maintained.

The BPR ensures extremely stable conditions for the analyzers, resulting in accurate, reliable and stable performance for these analyzers.

The output of a pressure regulator is usually maintained at a higher level, while that of the Back Pressure Regulator is kept at a lower condition (usually 90 to 95% of the pressure regulator output). The difference between the two is bled through a needle valve and is available for the lab person for collection of the sample.

Features

A precision engineered product

Works in an opposite manner to that of a pressure regulator

Maintains constant flow and pressure conditions for analyzer

Proprietary Forbes Marshall design
Specifications
Stainless steel (SS-316) housing
Set pressure: adjustable between 0 to 6 Kg/Cm²
Inlet pressure: 3 Kg/Cm²
Set pressure: 2.5 Kg/Cm²
Flow: 100 LPH (max.)
Inlet / outlet connection: 1/4" OD
(Double ferrule compression type)

Ordering Codes
<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Ordering code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>FGF4W2011720</td>
<td>Diaphragm type back pressure regulator 1/4&quot; OD - SS 316</td>
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Dimensions

![Diagram showing dimensions and mounting details](image)

TOP VIEW

MOUNTING DETAILS - HOLES

Mounting Detail’s
M6 Tapping, 2 Nos.