

Table 9.7: Automatic Sprinkler System Requirements

ITEMS	REQUIREMENTS
<b>21. PRESSURE REDUCING VALVE (PRV STATION)</b>	<ul style="list-style-type: none"> <li>i. In portions of systems where all components are not listed for pressure greater than 12.1 bar and the potential exists for normal (non-fire condition) water pressure in excess of 12.1 bar, a listed pressure-reducing valve shall be installed and set for an outlet pressure not exceeding 11 bar at the maximum inlet pressure.</li> <li>ii. Pressure gauges shall be installed on the inlet and outlet sides of each pressure-reducing valve.</li> <li>iii. A relief valve of not less than 13 mm in size shall be provided on the discharge side of the pressure-reducing valve set to operate at a pressure not exceeding 12.1 bar.</li> <li>iv. A listed indicating valve shall be provided on the inlet side of each pressure-reducing valve, unless the pressure-reducing valve meets the listing requirements for use as an indicating valve.</li> <li>v. Means shall be provided downstream of all pressure-reducing valves for flow tests at sprinkler system demand.</li> <li>vi. Pressure reducing valve shall be a valve station in an assembly with redundancy.</li> <li>vii. Pressure relief valve shall not be used as pressure reducing valve.</li> </ul>

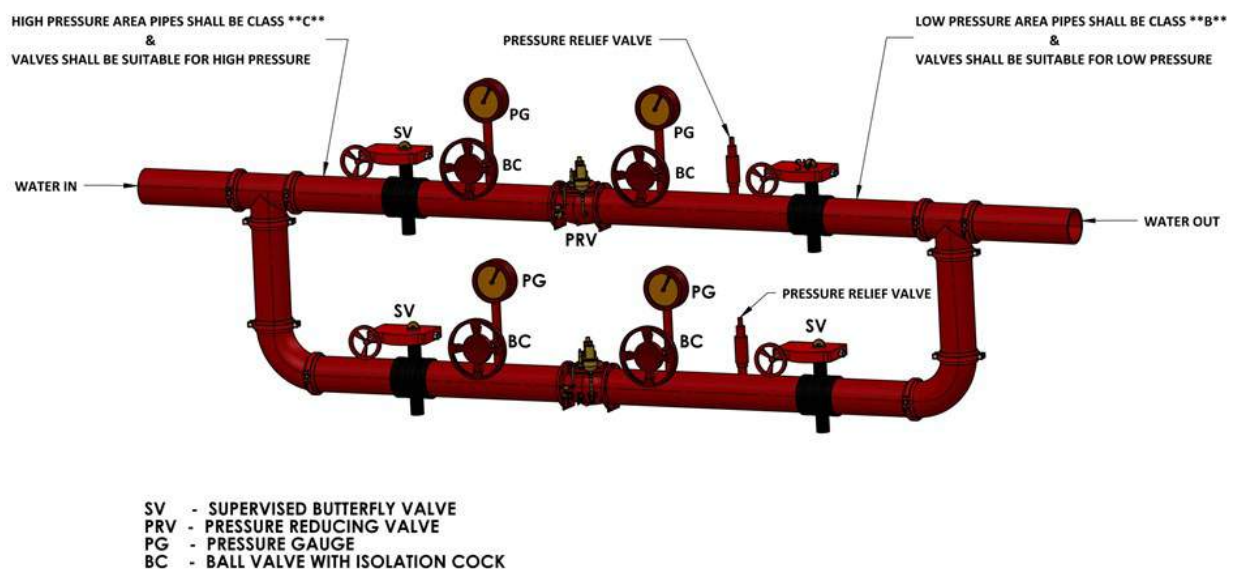


Figure 9.16.: Pressure Reducing Station