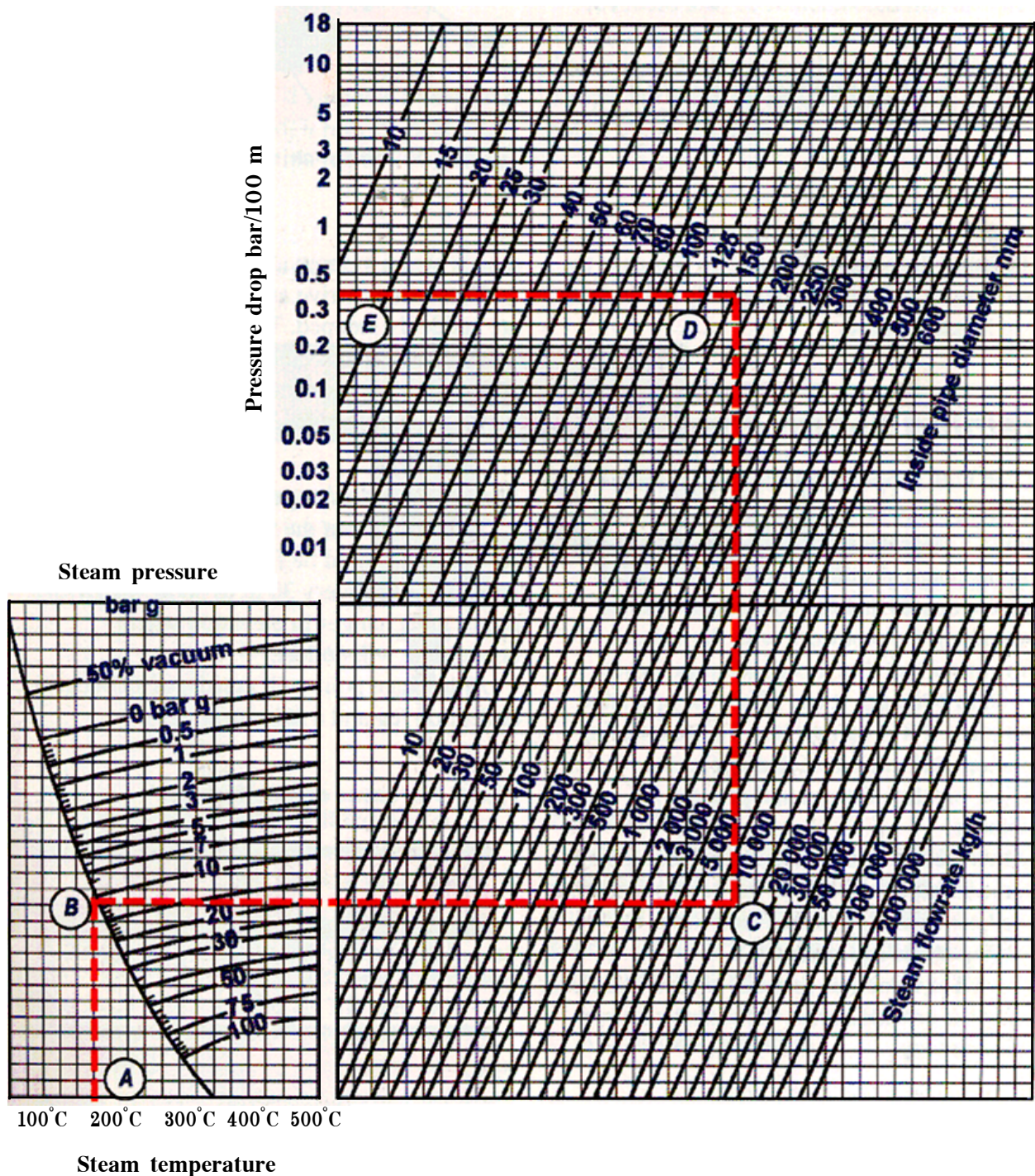


**Table 4 : Steam main sizing base on pressure drop**



**Example**

Determine the pressure drop when 10000 kg/h of saturated steam at an initial pressure of 10 bar g and a temperature of 184 °C flows through a 150 mm pipeline.

- Step 1 :** Using Table 2, draw a vertical line from 184 °C on the steam temperature scale (Point A) up to 10 bar g on the saturated steam scale, Point B.
- Step 2 :** From point B draw a horizontal line across to 10000 kg /h on the steam flow rate scale, Point C.
- Step 3 :** From Point C draw a vertical line up the 150 mm line on the inside pipe diameter scale, Point D.
- Step 4 :** From Point D draw a horizontal line across to the pressure drop scale, Point E. In this case the pressure drop will be approximately 0.4 bar per 100 m length of pipe.