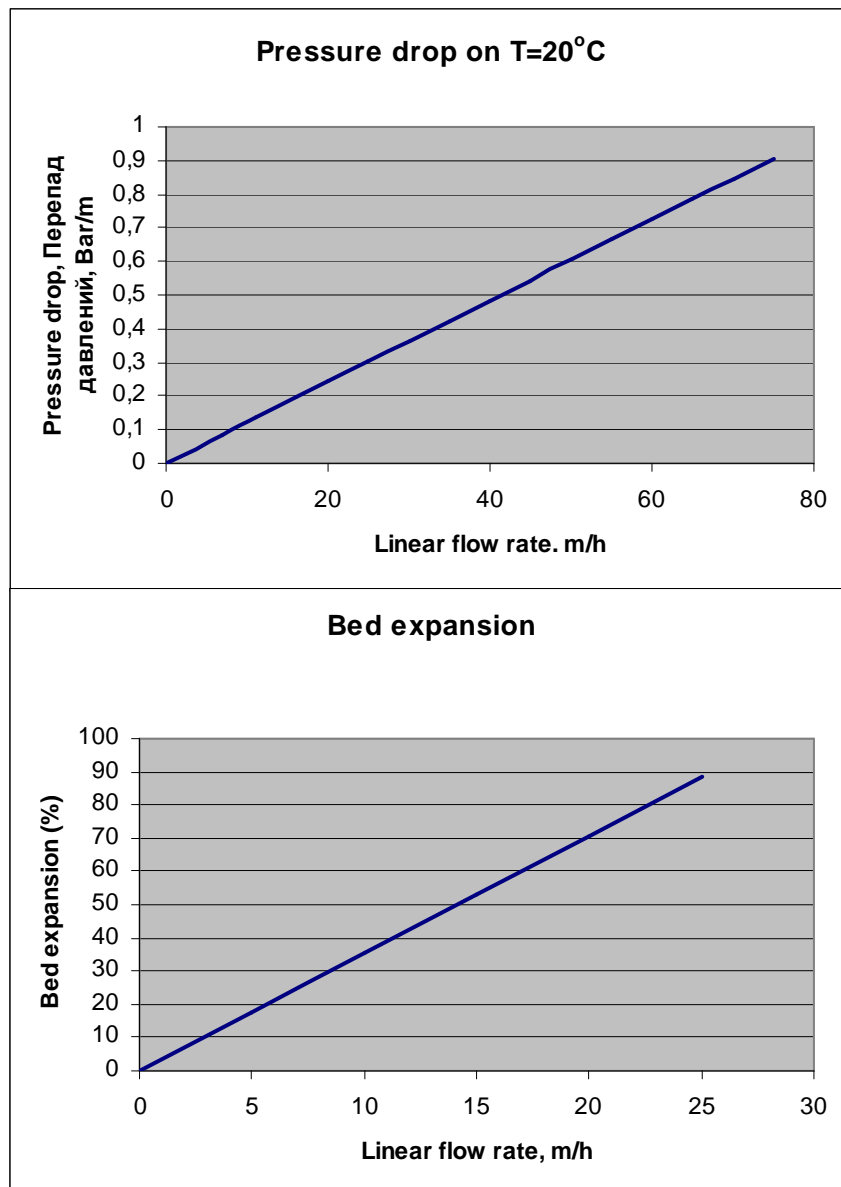


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ECOMIX

Pressure drop vs. linear flow is showing which pressure losses could be expected if the bed depth is one meter. i.e. with a tank diameter of 16 "(inches) we have an area of 0.13 square meters. If we want to have a filter flow of 3 m³ / h, we have a linear flow rate of 3/0,13 = 23 m / h It follows, according to the graph of a pressure loss of about 0,3 bar/m
 Is the bed height just 700 mm the expecting pressure drop is 0,3 * 0,7 = 0,21 bar for the Filterbed



Bed expansions vs. linear flow

If a 16 " tank should be backwashed with 0.13 * 15 m/h = 2 cbm/h Backwash flow is needed
 Then the bed expansion will be around 50% which should be sufficient.