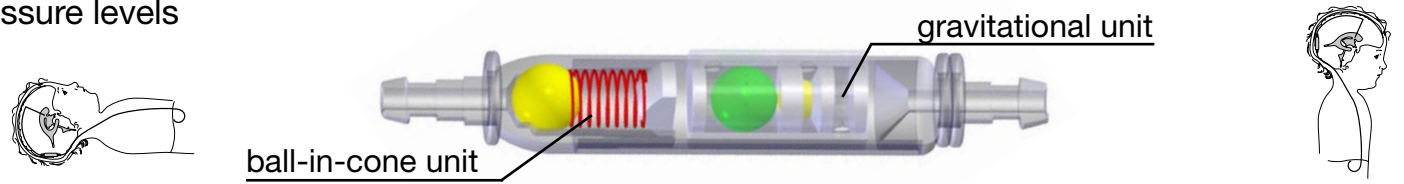


Recommendation of pressure levels



Low pressure level (horizontal) (The low pressure level only generates from the ball-in-cone unit.)		High pressure level (upright) (The high pressure level results from the addition of both - ball-in-cone and gravitational unit.)
4 cmH ₂ O	children up to 6 months	24 cmH ₂ O
9 cmH ₂ O	children from 6 months to 5 years	24 cmH ₂ O
9 cmH ₂ O	children over 5 years	29 cmH ₂ O

Opening pressure

The opening pressure of the *paediGAV* depends on the individual body position. The ball-in-cone unit determines the pressure level in the horizontal body position. The analogous pressure level for the vertical body position results from the addition of both - ball-in-cone and gravitational unit. The opening pressure also accommodates to all possible oblique body positions of the patient. It will be subject as follows:

opening pressure = ball-in-cone unit + sine (angle) x gravitational unit

Examples for the opening pressure in different body positions: *paediGAV* 4/24 cmH₂O
 Horizontal position: It's only the ball-in-cone units which affects with 4 cmH₂O
 Upright position: Both affects together, ball-in-cone and gravitational unit: 4 + 20 = 24 cmH₂O
 Oblique position with 45°: ball-in-cone unit + sine (angle) x gravitational unit = opening pressure
 $4 + \sin 45^\circ \times 20 = 18 \text{ cmH}_2\text{O}$.

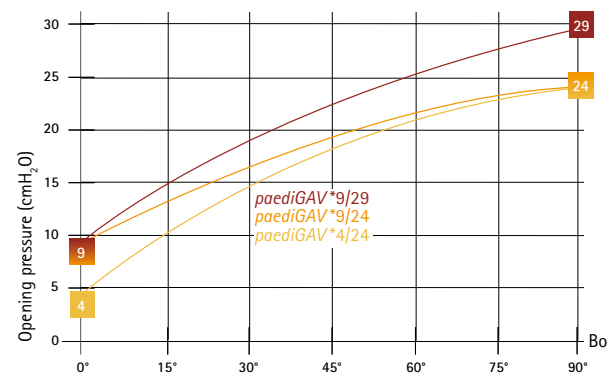
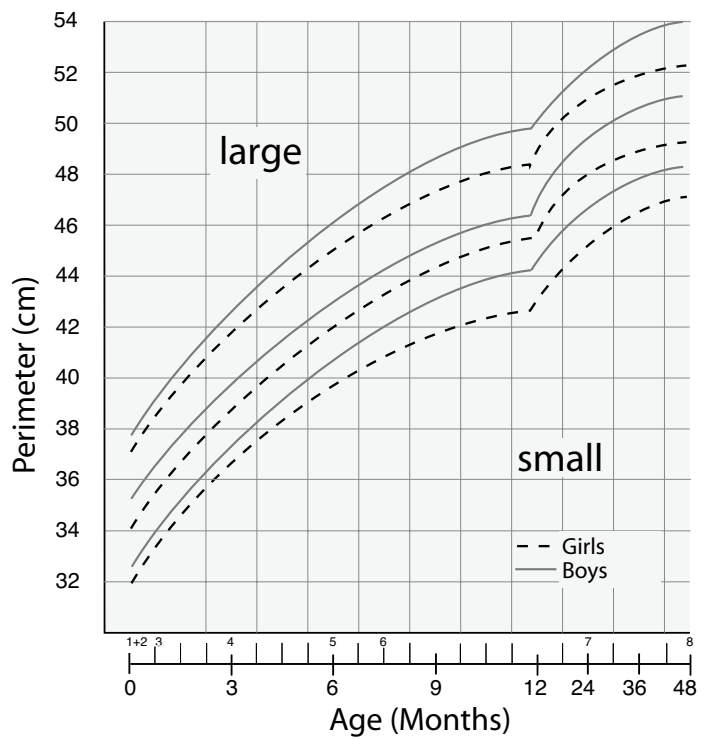


Fig. 1: Opening pressure depending on the body position

Normal growth of children's head circumference



The recommendations are based on common patient treatment, but can vary depending on the individual patient's condition.