

### DPT-FLOW EQUATIONS

Each manufacturer has its own equation, K-factor range and unit of equation (see table below). By selecting the manufacturer from the menu, correct settings for each manufacturer will automatically be used.

Manufacturer of the fan	Equation	K-factor range	Unit of the equation
FläktWoods	$q = \frac{1}{k} \cdot \sqrt{\Delta P}$	0.3...99	m <sup>3</sup> /s
Rosenberg	$q = k \cdot \sqrt{\frac{2 \cdot \Delta P}{\rho}}$	37...800	m <sup>3</sup> /h
Nicotra	$q = CPFN \cdot \sqrt{\frac{2 \cdot \Delta P}{\rho}}$	10...1500	m <sup>3</sup> /h
Comefri	$q = k \cdot \sqrt{\frac{2 \cdot \Delta P}{\rho}}$	10...2000	m <sup>3</sup> /h
Ziehl-Abegg	$q = k \cdot \sqrt{\Delta P}$	10...1500	m <sup>3</sup> /h
ebm-papst	$q = k \cdot \sqrt{\Delta P}$	10...1500	m <sup>3</sup> /h
Gebhardt	$q = k \cdot \sqrt{\frac{2 \cdot \Delta P}{\rho}}$	50...4700	m <sup>3</sup> /h