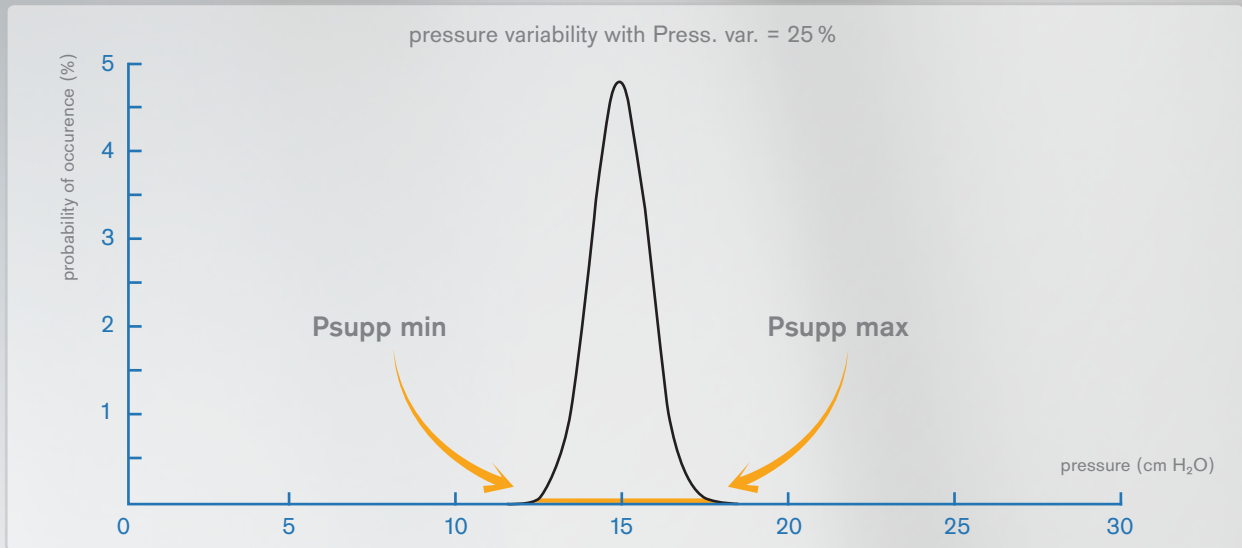


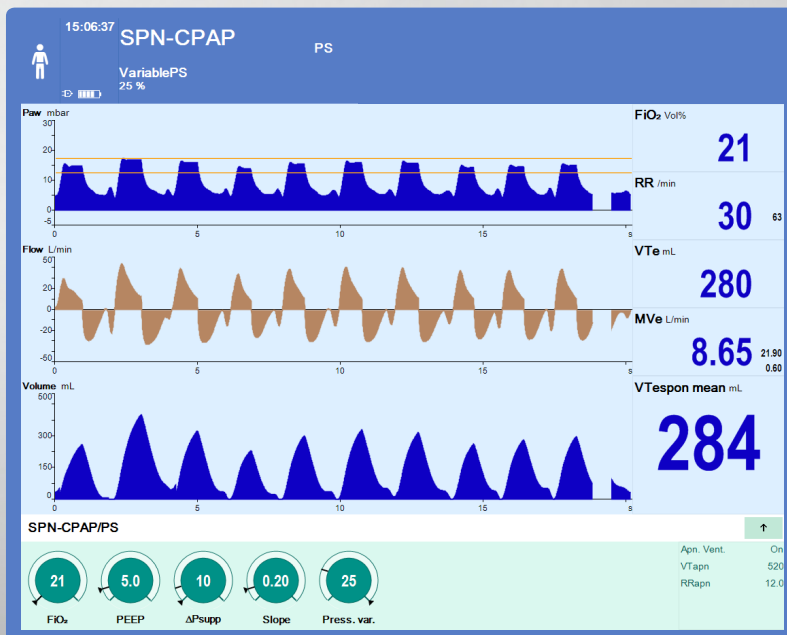
Pressure support variability 25 %

Pressure variability 25 % means high probability of occurrence of set ΔPS resp. P_{supp} . Settings for PEEP and set ΔPS remain the same. For example, a set pressure support of 10 cm H₂O and a variance of 25 % provides for a minimum pressure support of 7.5 cm H₂O and a maximum pressure support of 12.5 cm H₂O. The PEEP remains at 5 cm H₂O, this results in a mean P_{supp} of 15 cm H₂O.

Check the images below!



The pressure will be calculated according to the Gaussian distribution (here: variability 25 %)



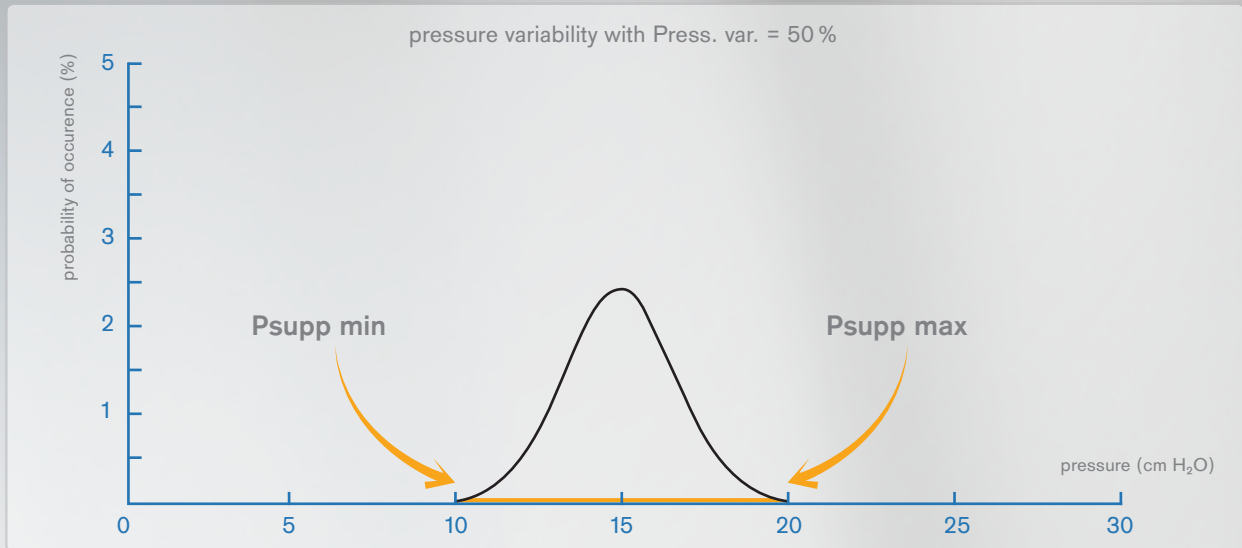
| SETTINGS | |
|-------------------|--------------------------|
| PEEP | 5 cm H ₂ O |
| ΔPS | 10 cm H ₂ O |
| i.e.: P_{supp} | 15 cm H ₂ O |
| Press. var.: | 25 % |
| RESULTS | |
| ΔPS_{min} | 7.5 cm H ₂ O |
| ΔPS_{max} | 12.5 cm H ₂ O |
| P_{supp_mean} | 15.0 cm H ₂ O |
| P_{supp_min} | 12.5 cm H ₂ O |
| P_{supp_max} | 17.5 cm H ₂ O |

Screen for SPN-CPAP/PS with activated Variable Pressure Support of 25 %

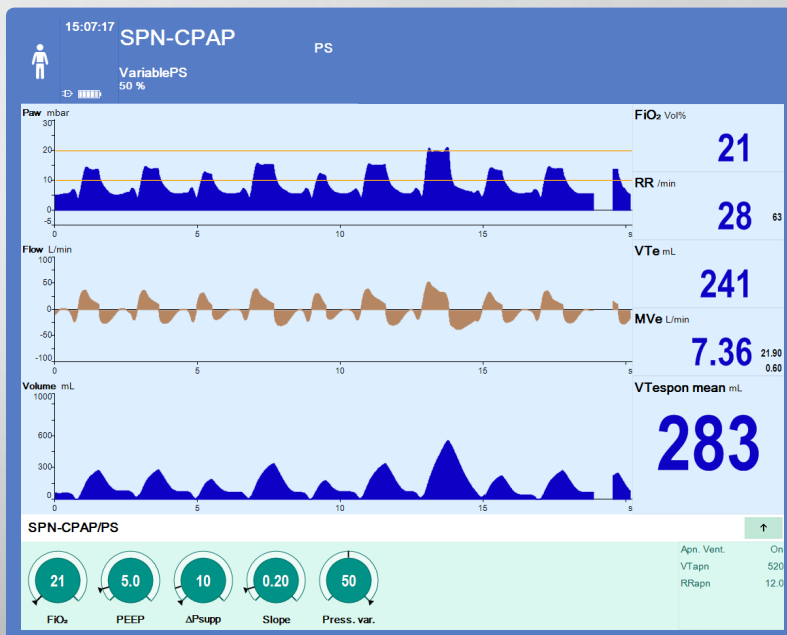
Pressure support variability 50 %

Pressure variability 50 % means mid probability of occurrence of set ΔPS resp. P_{supp} . Settings for PEEP and set ΔPS remain the same. For example, a set pressure support of 10 cm H₂O and a variance of 50 % provides for a minimum pressure support of 5 cm H₂O and a maximum pressure support of 15 cm H₂O. The PEEP remains at 5 cm H₂O, this results in a mean P_{supp} of 15 cm H₂O.

Check the images below!



The pressure will be calculated according to the Gaussian distribution (here: variability 50%)



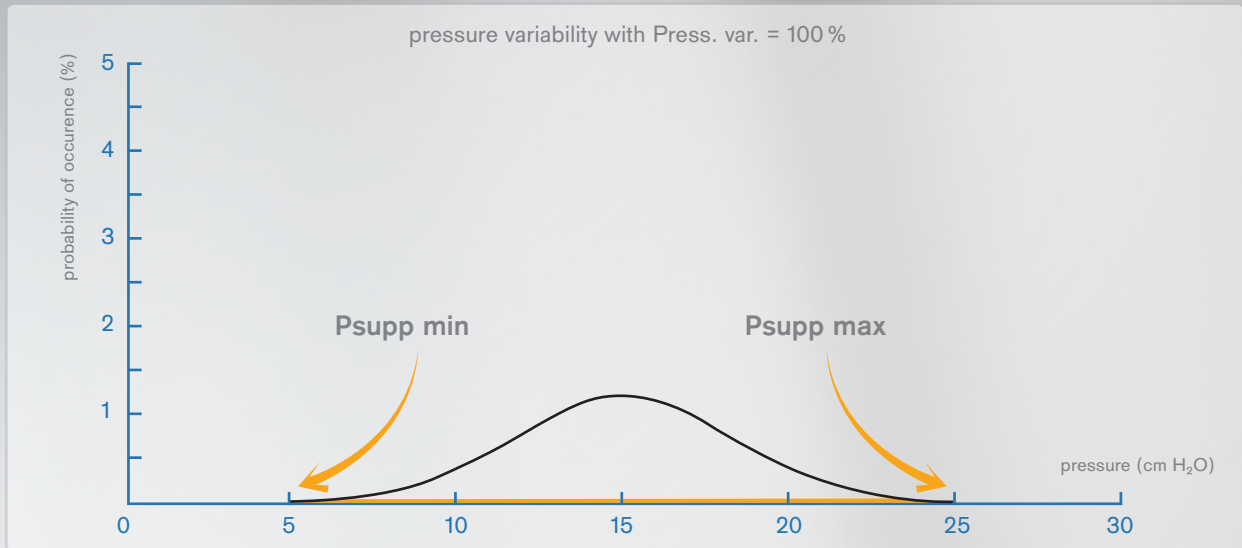
| SETTINGS | |
|-------------------|--------------------------|
| PEEP | 5 cm H ₂ O |
| ΔPS | 10 cm H ₂ O |
| i.e.: P_{supp} | 15 cm H ₂ O |
| Press. var.: | 50 % |
| RESULTS | |
| ΔPS_{min} | 5.0 cm H ₂ O |
| ΔPS_{max} | 15.0 cm H ₂ O |
| P_{supp_mean} | 15.0 cm H ₂ O |
| P_{supp_min} | 10.0 cm H ₂ O |
| P_{supp_max} | 20.0 cm H ₂ O |

Screen for SPN-CPAP/PS with activated Variable Pressure Support of 50 %

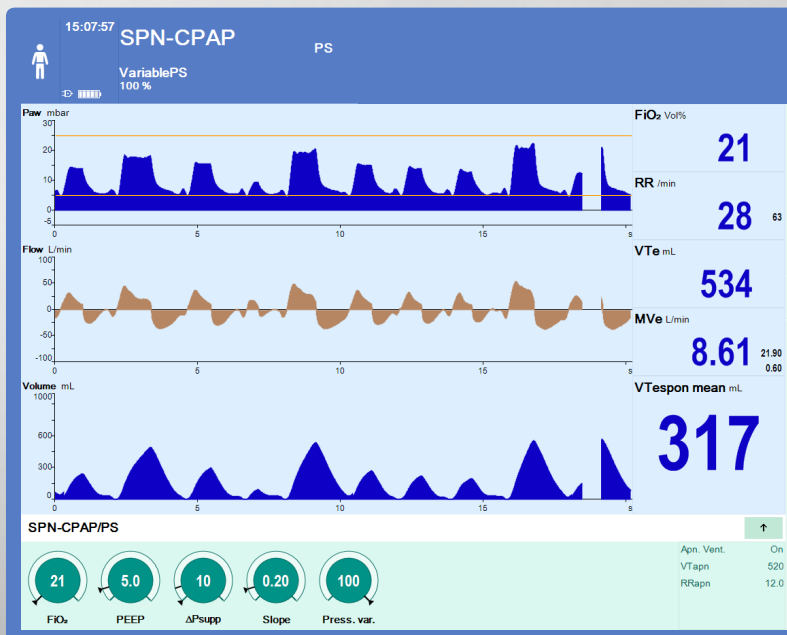
Pressure support variability 100 %

Pressure variability 100 % means low probability of occurrence of set ΔPS resp. P_{supp} . Settings for PEEP and set ΔPS remain the same. For example, a set pressure support of 10 cm H₂O and a variance of 100 % provides for a minimum pressure support of 0 cm H₂O and a maximum pressure support of 20 cm H₂O. The PEEP remains at 5 cm H₂O, this results in a mean P_{supp} of 15 cm H₂O.

Check the images below!



The pressure will be calculated according to the Gaussian distribution (here: variability 100 %)



| SETTINGS | |
|------------------|------------------------|
| PEEP | 5 cm H ₂ O |
| ΔPS | 10 cm H ₂ O |
| i.e.: P_{supp} | 15 cm H ₂ O |
| Press. var.: | 100 % |

| RESULTS | |
|-------------------|--------------------------|
| ΔPS_{min} | 0.0 cm H ₂ O |
| ΔPS_{max} | 20.0 cm H ₂ O |
| P_{supp_mean} | 15.0 cm H ₂ O |
| P_{supp_min} | 5.0 cm H ₂ O |
| P_{supp_max} | 25.0 cm H ₂ O |

Screen for SPN-CPAP/PS with activated Variable Pressure Support of 100 %