

What is Pallas Air Quality Index?



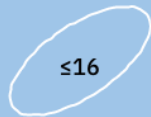
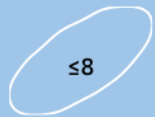
Pallas AQI is calculated using an applied version of the USEPA index, the so-called Instant Cast version, where the AQI value is calculated from the latest measured hourly value of the pollutant.


The original classification has been expanded with three new classes for very low concentrations.


The Pallas Air Quality Index (AQI) takes into account the $PM_{2.5}$ and black carbon concentrations measured at the Pallas supersite.


The global comparison data ($PM_{2.5}$) is downloaded from the online webservice (<https://waqi.info/>).

Pallas AQI	Classification	Measured concentrations $\mu\text{g}/\text{m}^3$	
		Black carbon	$PM_{2.5}$
0–8	The purest air in the world	0–0.25	0–1.8
8–16	Excellent	0.25–0.5	1.8–4.5
16–30	Very good	0.5–0.75	4.5–7.5
30–50	Good	0.75–1	7.5–12
50–100	Moderate	1–3	12–35
100–150	Unhealthy for sensitive groups	3–7	35–55
150–200	Unhealthy	7–12	55–150
200–300	Very unhealthy	12–25	150–250




 The purest air in the world


 Excellent


 Very good


 Good

 Moderate

 Unhealthy for sensitive groups

 Unhealthy

 Very unhealthy

 Hazardous