

Sampling Tubes

Application

The gas sampling tubes series **PSG Sampling Tube** are used in combination with gas sampling probes **PSG Basic Probe** and **PSG Plus Probe** for continuous extractive gas analysis. They serve for precisely representative sampling of sample gas with dust loads up to $3\text{g}/\text{m}^3$. Typical applications are emission measurement, process monitoring and process optimization.

Technology

The spectrum of possible gas sampling tubes covers a temperature range up to 1800°C . Due to the choice of various corrosion and temperature resistant materials the possibility for every application is given to find a fitting gas sampling tube as extension for the gas sampling probes **PSG Basic** and **PSG Plus**. All tubes have a $R3/4"$ -male thread fitting to the female thread in the sample inlet of the gas sampling probe.

Functions

By choosing the tube length exhaust or process gas can be sampled precisely from the stack or industry process and fed to the dust filtration in the heated gas sampling probe.



- ✓ Precise measuring gas sampling
- ✓ For dust concentrations up to $3\text{g}/\text{m}^3$
- ✓ Solutions for nearly all applications
- ✓ Corrosion resistant
- ✓ Temperature resistant up to 1800°C
- ✓ Sampling length definable
- ✓ Various tube materials possible
- ✓ Simple mounting

Technical Data

Sampling Tube Material	Max. Temp. [°C]	Length* L [mm]	Max. Length** [mm]	Ø D [mm]	Part No.
Stainless steel SS316Ti	600	1000	2500	27	80060022
Extension stainless steel SS316Ti		100			80060645
Hastelloy C4	900	1000	2500	25	08060438
Extension Hastelloy C4		100			80060646
Stainless steel 1.4893	900	1000	2500	27	80060388
Extension stainless steel 1.4893		100			80060647
Incoloy 800HT (1.4959)	1100	1000	2500	27	80060648
Extension Incoloy 800HT		100			80060649
Inconel 601 (2.4851)	1200	1000	2500	25	80060650
Extension Inconel 601		100			80060651
Alloy HR160	1200	1000	2000	27	80060652
Extension Alloy HR160		100			80060653
Kanthal APM	1300	1000	1500	27	80060660
Extension Kanthal APM		100			80060661
Aluminium oxide-ceramic	1800	1000	1500	24	80060662
Extension Aluminium oxide-ceramic		100			80060663

*Standard length and standard extension, every arbitrary intermediate length is also possible by shortening. Please specify with order.

**Self-supporting, increased lengths are also possible but have to be supported at the sampling place due to appropriate measures like e.g. traverses

Dimensions



Dimensions in mm