



Overview

BENTAX® is a worldwide trademark of Varionix. The genuine Bentax® Ionization-Tubes made by Varionix is a masterpiece in terms of robustness and durability. The use of high-quality materials leads to an extremely long life even under difficult environmental conditions. The production within tight tolerances coupled with extended quality assurance ensures an extremely low ozone output. The ionization tube is ideally suited for use in rooms where people live and work as well as in all industrial applications. Basic material selection and processing procedures allow the production of a cost-effective and high quality base tube (VTN) that covers most applications. Due to a more elaborate production technology and material selection, we manufacture also a very long-lasting base tube (VTX) which has an increased lifetime compared to the base tube and is ideally suited for applications with enhanced demands for service interval.

Order Numbers Ionization Tubes

Basic	Typ	Order #
VTN-F	F	61-11-11-01
VTN-E	E	61-11-11-02
VTN-D	D	61-11-11-03
Long-Life	Typ	
VTX-F	F	61-11-12-01
VTX-E	E	61-11-12-02
VTX-D	D	61-11-12-03

Specifications

Basic Tube	VTN-F	VTN-E	VTN-D
Average useful lifetime	16'000 hours		
Ion Production (O_2^-) [ions/cm ³] ①	~ 8.5 x 10 ⁴	~ 5.7 x 10 ⁴	~ 2.1 x 10 ⁴
Ozone Production (O_3) [ppm] ②	< 0.05	< 0.04	< 0.02

Long-Life Tube	VTX-F	VTX-E	VTX-D
Average useful lifetime	28'000 hours		
Ion Production (O_2^-) [ions/cm ³] ①	~ 8.2 x 10 ⁴	~ 5.5 x 10 ⁴	~ 1.9 x 10 ⁴
Ozone Production (O_3) [ppm] ②	< 0.05	< 0.04	< 0.02

All Tubes	
IP Protection Index	IP67
Working Conditions	-35 ... +85 °C, 0 ... 100 %rH, 0 ... 1500 mBar

- ① Standardized measurement method (20 °C ; 70 %rH ; f_{osc} . 50 Hz)
- ② EC accepted Occupational exposure limit (OEL) value is 0.1 ppm

Dimensions [mm]

