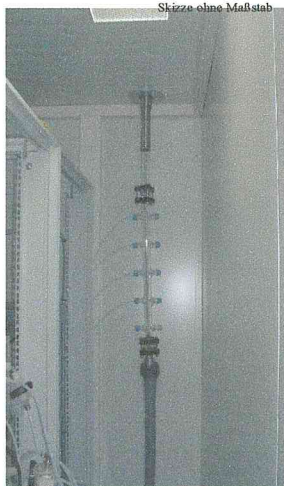
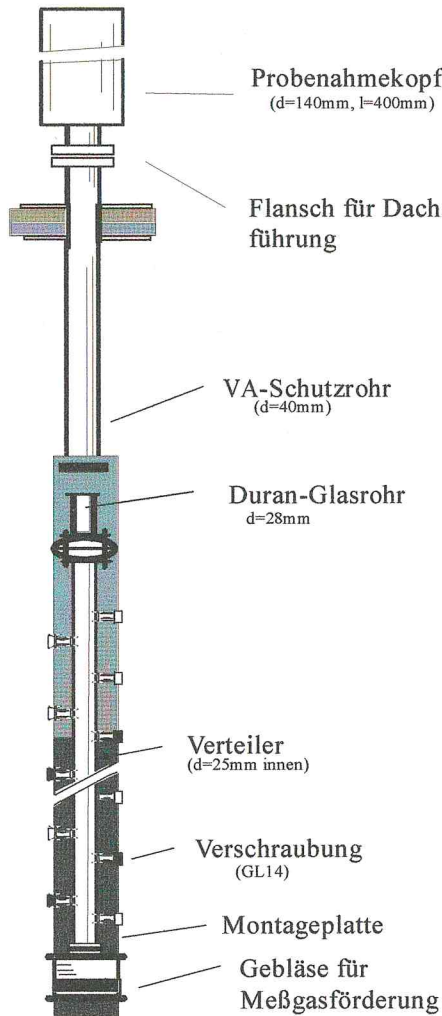


MCZ Sampling Probe (model PNS)



1. This system is used for the input of gas samples either from the atmosphere (normal operation of the analyzers), or from the calibrator (calibration process) via appropriate electrovalves.
2. The instrument is made in accordance with the national standards TA Luft and the guideline UI8 of the ministry of the interior GMBI. The sampling system already operates on operational basis to ambient air monitoring networks. The sampling system consists of the following parts:
3. Sampling tube made of glass or teflon (ca. 25mm diam., thin walls). The sampling tube will be into an appropriate protecting and supporting housing (tube) and is made either of PVC, Aluminium, or stainless steel. At it's end there is a flask (250 ml) to block moisture/particles.
4. Appropriate gas sample input system, adapted to the end of the sampling tube, for protection against rain, large particulate or vital organisms. The system is rigidly mounted to the sampling tube and is appropriate for open-air use.
5. Distribution tube made of glass (borosilicate or relevant), with at least eight (8) connecting points with analyzers. The tube has a diameter of ca. 25 mm. The 8 connecting points has the possibility to accept Teflon tubes of 1/4 inch diameter. The tube is divided in 2 pieces. It is gas-proof by applying the pieces together. The total length of the tube is ca. 90 - 100 cm. It is delivered with 8 special clips for tightening the sampling tubes at the connecting points with the analyzers, as with 10 plugs, so that the tubes can be gas-proof when they are not in use.
6. Blower for air respiration (220 V / 50 Hz), properly connected in line with the distribution tube, to provide the appropriate flow in the sampling tube, according to national or international standards for gaseous pollutants sampling.
7. Manually operated relief system.