CP2: the compact cold isokinetic probe

CP2 is the ideal solution for measuring speed and flow in ducts, fully compliant with the EN16911 standard.

It is designed for all sampling applications that require an in-stack filter.

Housed in an ultra-compact body with a diameter of just 25 mm, CP2 integrates a Pitot tube, an 8 mm AISI 316 stainless steel sampling tube, and a thermocouple sensor for stack temperature measurement.

The probe supports the standard 47 mm filter holder and is also compatible with a compact 25 mm filter holder, made entirely of AISI 316 stainless steel and equipped with a lift-up grid. This configuration minimizes space requirements and enables inspection of small ducts. Additionally, a sintered filter can replace the particulate filter for gas sampling, effectively removing impurities from the ducts.

A key feature of the CP2 probe is its quick coupling system, which allows direct installation of the ST2 velocity and flow meter. With the ST2's integrated digital inclinometer, swirl angle verification becomes fast and straightforward.

The probe includes vertical quick couplings for both the Pitot tube and thermocouple connector, preventing bends and blockages that could compromise signal accuracy.

For duct or stack positioning, a threaded fitting for 2-inch ports and a fixing flange for ports up to 4 inches are provided in a single component.

This design makes CP2 a highly versatile instrument, ideal for both velocity measurements and pollutant sampling in situations where traditional isokinetic probes cannot be used due to size constraints.

Part Number and accessories

CP2 probe
101 106 1000 .....CP2 Probe L = 500mm
101 106 1001 .....CP2 Probe L = 750mm
101 106 1010 .....CP2 Probe L = 1000mm
101 106 1011 .....CP2 Probe L = 1500mm
101 106 2001 .....CP2 connection cable L= 3mts
101 106 2011 .....Slide and lock device 2" with adapter/flange 4"
101 106 2021 .....Gas sampling sinter filter

Gooseneck and nozzles
101 102 2080 .....Leak test cap
101 102 2081 .....AISI 316 gooseneck for nozzles
101 102 2082 .....AISI 316 nozzle diam. 4mm
101 102 2083 .....AISI 316 nozzle diam. 5mm
101 102 2084 .....AISI 316 nozzle diam. 6mm
101 102 2085 .....AISI 316 nozzle diam. 7mm
101 102 2086 .....AISI 316 nozzle diam. 8mm
101 102 2087 .....AISI 316 nozzle diam. 9mm
101 102 2088 .....AISI 316 nozzle diam. 10mm
101 102 2089 .....AISI 316 nozzle diam. 11mm
101 102 2090 .....AISI 316 nozzle diam. 12mm
101 102 2091 .....AISI 316 nozzle diam. 14mm
101 102 2092 .....AISI 316 nozzle diam. 15mm
101 102 2093 .....AISI 316 nozzle diam. 16mm

Filterholder 25 mm
101 106 2101 .....25mm filterholder kit for CP2 probe
101 106 2151 .....Set of 5 CP2 25mm spare cartridges
101 106 3011 .....Box of 5 AISI316 grids for 25mm Filterholder cartridge
101 106 3450 .....Set of 10 Viton gaskets for 25mm filterholder, Tmax 200°
101 106 3451 .....Set of 10 GF gaskets for 25mm filterholder, Tmax 350°
101 106 3452 .....Set of 10 gaskets for 25mm filterholder, Tmax 850°

Filterholder 47mm
101 102 1430 .....47mm AISI316 Filterholder
101 102 1432 .....Box of 5 AISI316 grids for 47mm Filterholder cartridge
101 102 1435 .....Spare AISI 316 cartdrige for 47mm filters
101 102 1440 .....Spare Tempcoat© cartdrige for PFAS kit
101 102 1450 .....Set of 10 Viton gaskets for 47mm filterholder, max T 200°
101 102 1451 .....Set of 10 GF gaskets for 47mm filterholder, max T 350°
101 102 1452 .....Set of 10 high temp gaskets (850°C) for 47mm filterholder

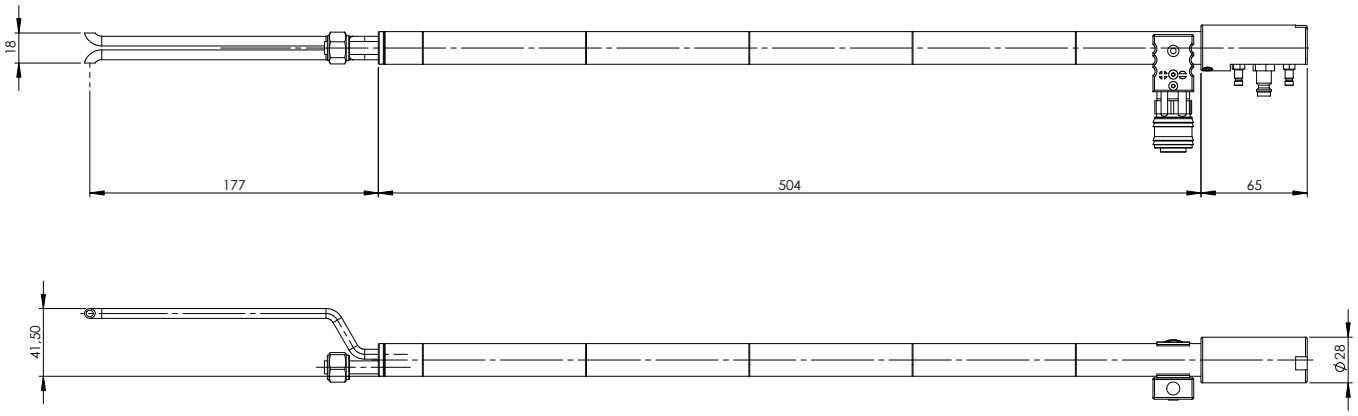
ST2
101 107 1001 .....ST2 Velocity/Flowrate meter
101 107 2015 .....CP2 fixing kit
101 107 2011 .....Fixed/mobile point option
101 107 2013 .....ST2 Zero dP Option
101 107 2040 .....dP sensor leak test device

Technical Characteristics

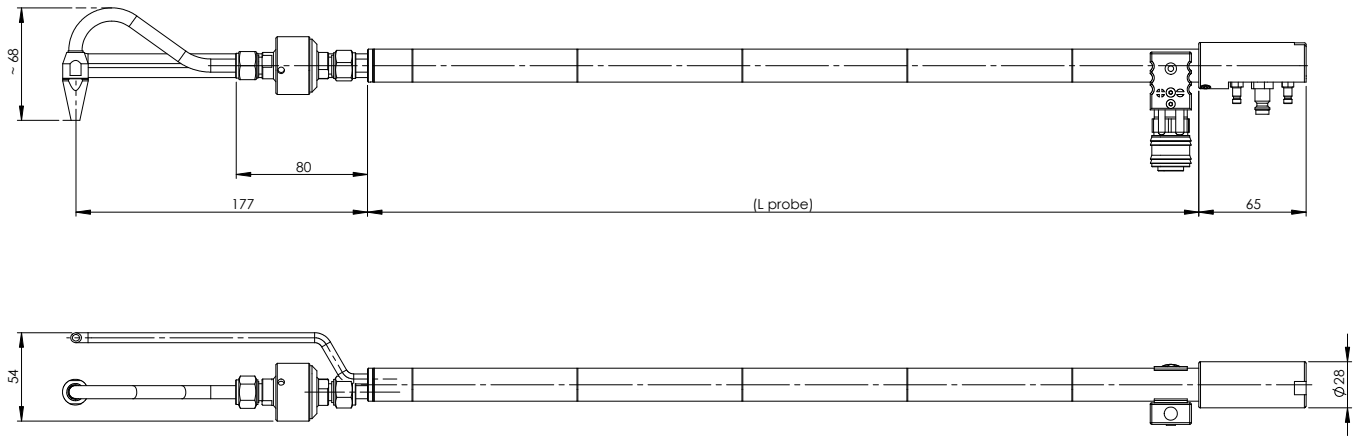
Thermocouple input	Standard curve programmed type 'K' according to ITS 1990
Range	-20 ÷ 1200 °C
Resolution	0.01 °C
Accuracy	1% of the measurement ± 0.4 °C

Dimensions (mm)

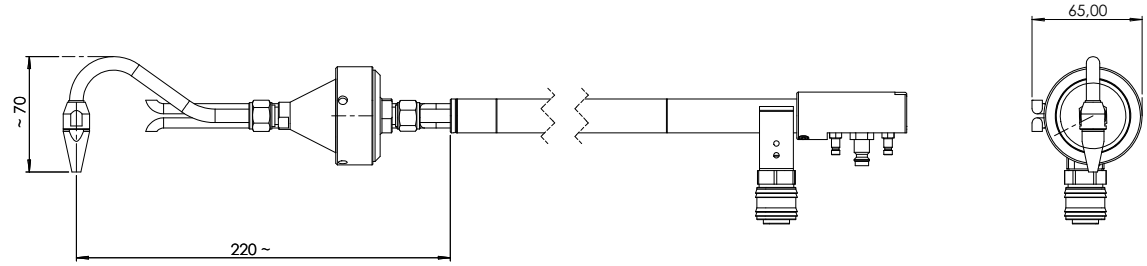
CP2



CP2 with 25mm filterholder



CP2 with 47mm filterholder



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