



# SP - 300



## **SAMPLE PROBE with BLOWBACK** for High Dew Point Sample Gas

### Heated Sample Probes

**SP - 300** has a Heated Filter which is kept just outside the stack. The Blowback and Sample ports are separate which enables higher flow rate of blowback air, ensuring better filter cleaning. The Sample and Blowback lines are separated by a non-return valve which eliminate the requirement of a High Temperature Solenoid Valve or Air Operated Valve in sample line during blowback.

### Salient Features

Separate Sample & Blowback Port

Eliminates Heated SOV / AOV in Sample Line

Extra efficient Heating 50W only

Ex-Situ Heated Filter

Suitable for Dust Load up to 10gm/Nm<sup>3</sup>

No Cold Spots with evenly Heated Element

SS 316 Sintered Filter Element of 10µ

Suitable for Sample Moisture up to 15%

Blowback Solenoid Valve is standard

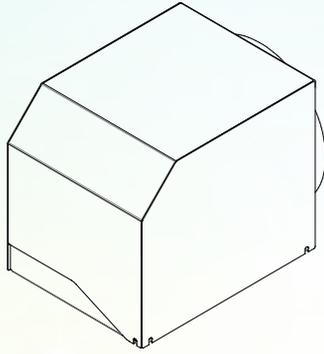
Efficient Blowback with 1/2" OD Port

Long Life Filter Element due to Uniform Cleaning

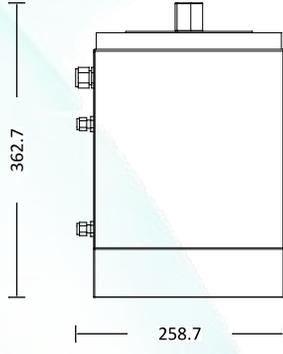
Optional Calibration Port

Sample Temperature:	120 - 500 °C
Process Connection:	2" / 4" ANSI
Sample Port:	1/4" OD
Blowback Port:	1/2" OD
Calibration Port:	1/4" OD

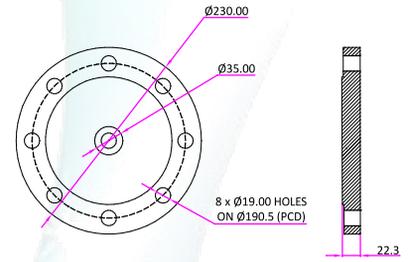
Wetted Parts: SS316, PTFE, VITON  
 Design Pressure: 10 Kg/cm<sup>2</sup> Max  
 Design Temperature: 180 °C Max  
 Blowback Pressure: 4 - 7 Kg/cm<sup>2</sup>



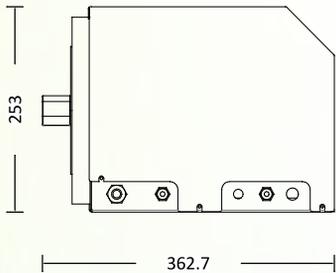
Isometric View



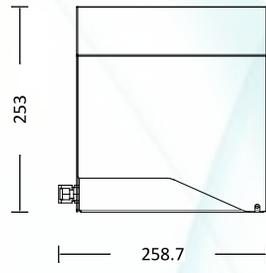
Top View



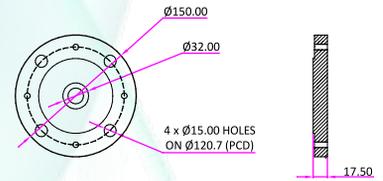
4" 150# FLANGE



Side View



Front View



2" 150# FLANGE

**Ordering Code**

	1	2	3	4	5	6	7	8	9	10	11	12
SP-	3								X	X	X	2

**Probe Tube Material of Construction\***

SS 316, Suitable up to 550° C	0	0
Inconel, 625 Suitable up to 1100° C	1	0
Ceramic, Suitable up to 1400° C	2	0

**Probe Insertion Length**

500 mm	0	5
1000 mm	1	0
1500 mm (not available in Ceramic)	1	5

**Process Flange (with Bolts & Gasket)**

SS 316, 2" ANSI 150#	2
SS 316, 4" ANSI 150#	4

**Calibration Port**

None	X
Included	Y

**Blowback Tank**

X	None
B	Included

\* As per Process Temperature

Notes: - The final responsibility to check whether this product meets the requirement of the Process and / or Analyser remains solely with the customer.  
 - M/s SARVESH ANALYTICS PVT. LTD. has a policy of continuous improvement of product & services and hence reserves the right to change the specifications and features without prior notice.

**SARVESH ANALYTICS Pvt. Ltd.**

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