STM105
Cyclone Membrane Housing

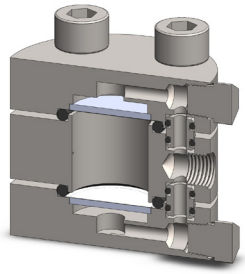
Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**1/8" or 1/4"**
Membrane	**2x MT.33.☐**

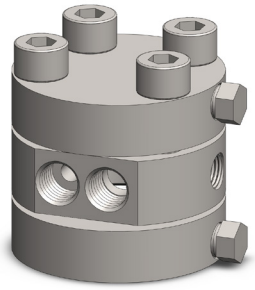
The STM105 membrane housings use two porous PTFE membranes, which are supported by sintered porous stainless steel discs on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows the membranes to be changed without disconnection the port fittings.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.





Technical Specifications

Housing Model	**STM105.111**	**STM105.211**
Inlet & Bypass Port Size	1/8" NPT	1/4" NPT
Outlet Port	1/8" NPT	1/8" NPT
Maximum Pressure, Bar	100	100
Maximum Temperature, ºC (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	2x MT.33.☐	2x MT.33.☐
Principal Dimensions in mm		
Diameter	63	63
Height	47	47
Volume, cc	10	10
Weight, kg	0.95	0.95

Notes

(1) Maximum temperature of 150ºC is due to the PTFE membrane

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. STM105.111.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.33.M2

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