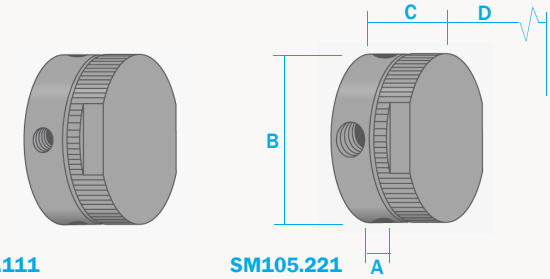
SM105 Series Membrane Housings

316L Stainless Steel
Pressure, 100 Bar
Ports, 1/8" or 1/4"
Membrane, MT.33.□



SM105.111 SM105.221

The SM105 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. The wet sample gas enters though the inlet port and because the membrane will only allow molecules of gas or vapour to pass through to the outlet all liquid is stopped. Any liquid in the sample will flow to the drain port. This port can also be used as a bypass function for the main flow. Two grades of membrane are available and these are detailed in the data sheets CF/1.2/051 and CF/1.2/052.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton gaskets. Other gaskets 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.

Principal Specifications

Housing Model	SM105.111	SM105.221
Port Size - NPT	1/8"	1/4"
Drain & Bypass Port - NPT	1/8"	1/4"
Maximum Pressure - Bar	100	100
Maximum Temperature - °C	100	100
Materials of Construction (1)		
Head, Bowl & Internals	316L	316L
Gaskets	Viton	Viton
Principal Dimensions		
A - mm	10	10
B - mm	56	56
C - mm	44	44
D - mm	20	20
Volume - cc	5	5
Weight - kg	0.4	0.4
Accessories		
Standard Gasket Set	GVSM105	GVSM105
Kalrez Gasket Set	GKSM105	GKSM105
Nitrile Gasket Set	GNSM105	GNSM105
EPDM Gasket Set	GESM105	GESM105
Mounting Bracket	MBSM105	MBSM105
Membrane Code (2)	MT.33.□	MT.33.□

Notes (1) Material abbreviations - 316L = 316L Stainless Steel, PTFE = Polytetrafluoroethene, EPDM = Ethylene-Propylene
(2) Replace the □ with the grade required, e.g. MT.33.M1 or MT.33.M2