# STM304
## Membrane Housing

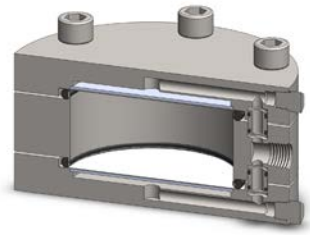
| | |
|---|---|
| **Materials** | **316L Stainless Steel** |
| **Pressure** | **35 Bar** |
| **Ports** | **1/4" or 1/2"** |
| **Membrane** | **2x MT.89.☐** |

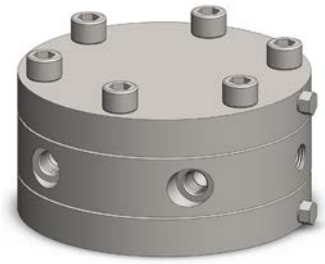
STM304 membrane housings uses two porous PTFE membranes, which are supported by sintered porous stainless steel discs on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

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** | **STM304.221** | **STM304.441** |
|---|---|---|
| Port Size | 1/4" NPT | 1/2" NPT |
| Drain & Bypass Ports | 1/4" NPT | 1/2" NPT |
| Maximum Pressure, Bar | 35 | 35 |
| 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.89.☐ | 2x MT.89.☐ |
| **Principal Dimensions in mm** | | |
| Diameter | 150 | 150 |
| Height | 74 | 89 |
| Volume, cc | 50 | 50 |
| Weight, kg | 7.50 | 7.50 |
| **Accessories** | | |
| Mounting Bracket | MBSM206 | MBSM206 |

**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. STM304.221.T)

(4) Replace the ☐ with the membrane grade required, e.g. MT.89.M2