# TT604

Aluminiumnitrogen membrane module

Minimum Outlet Flow Rate (1)

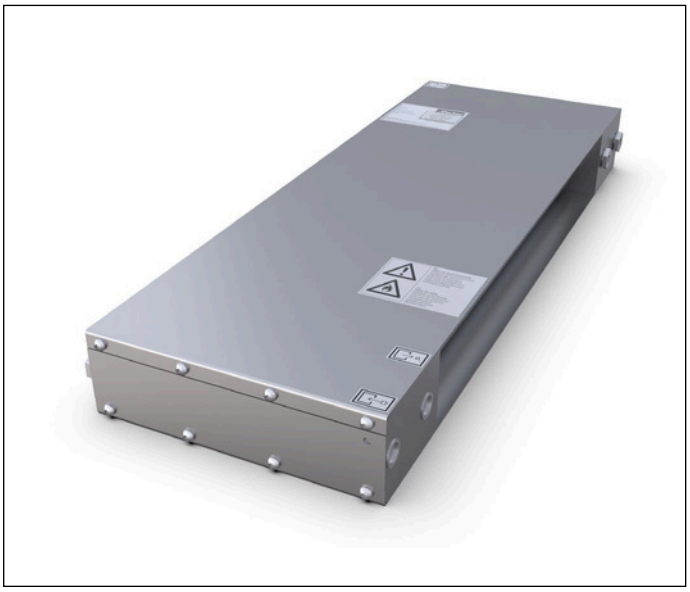
| Inlet Pressure | | Purity (Remaining Oxygen Content) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 99.5% (0.5%) | | 99.0% (1.0%) | | 98.0% (2.0%) | | 97.0% (3.0%) | | 96.0% (4.0%) | | 95.0% (5.0%) | |
| bar(g) | psi(g) | m3/hr | cfm | m3/hr | cfm | m3/hr | cfm | m3/hr | cfm | m3/hr | cfm | m3/hr | cfm |
| 5.0 | 72.5 | 1.3 | 0.8 | 1.9 | 1.1 | 2.9 | 1.7 | 3.8 | 2.3 | 4.7 | 2.8 | 5.6 | 3.3 |
| 6.0 | 87.0 | 1.6 | 1.0 | 2.4 | 1.4 | 3.6 | 2.1 | 4.8 | 2.8 | 6.0 | 3.5 | 7.2 | 4.2 |
| 7.0 | 101.5 | 1.9 | 1.1 | 2.8 | 1.7 | 4.3 | 2.5 | 5.6 | 3.3 | 7.0 | 4.1 | 8.4 | 4.9 |
| 8.0 | 116.0 | 2.2 | 1.3 | 3.2 | 1.9 | 4.9 | 2.9 | 6.4 | 3.8 | 8.0 | 4.7 | 9.6 | 5.7 |
| 9.0 | 130.5 | 2.4 | 1.4 | 3.6 | 2.1 | 5.5 | 3.3 | 7.2 | 4.3 | 9.0 | 5.3 | 11.1 | 6.5 |
| 10.0 | 145.0 | 2.7 | 1.6 | 4.0 | 2.4 | 6.1 | 3.6 | 8.0 | 4.7 | 10.0 | 5.9 | 12.0 | 7.1 |
| 11.0 | 159.5 | 2.9 | 1.7 | 4.3 | 2.5 | 6.6 | 3.9 | 8.8 | 5.2 | 10.9 | 6.4 | 13.2 | 7.8 |
| 12.0 | 174.0 | 3.1 | 1.8 | 4.6 | 2.7 | 7.2 | 4.2 | 9.6 | 5.6 | 11.8 | 6.9 | 14.3 | 8.4 |

(1) Maximum outlet flow rate = 'Minimum outlet flow rate' + 30.0%
$m^3$ reference to standard conditions, 20°C, 1013 mbar(a) and 0% relative water vapour pressure.
For performance figures at other purities and/or pressures, please contact Parker.

## Temperature Correction Factors

| °C | °F | 99.5% (0.5%) | 99.0% (1.0%) | 98.0% (2.0%) | 97.0% (3.0%) | 96.0% (4.0%) | 95.0% (5.0%) |
|---|---|---|---|---|---|---|---|
| ⩽10.0 | 50.0 | 0.9 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| 20.0 | 68.0 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 30.0 | 86.0 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 40.0 | 104.0 | 0.60 | 0.80 | 1.00 | 1.00 | 1.10 | 1.10 |
| 50.0 | 122.0 | 0.60 | 0.80 | 1.00 | 1.10 | 1.10 | 1.20 |

## Product Image*



## Operation Parameters

| | | |
|---|---|---|
| Minimum InletAirQuality | ISO 8573-1: 2010 Class 2.4.1 | |
| Minimum Operating Pressure | 4.0 bar(g) | 58.0 psi(g) |
| Maximum Operating Pressure | 12.0 bar(g) | 174.0 psi(g) |
| Minimum Operating Temperature | 5.0˚C | 41.0˚F |
| Maximum Operating Temperature | 45.0˚C | 113.0˚F |
| Maximum Pressure Drop | 0.8 bar(g) | 11.6 psi(g) |

## Material & Connections

| | |
|---|---|
| Material | Aluminium |
| Coating | None |
| Compressed Air Inlet | G⅜" |
| Exhaust | G⅜" |
| Nitrogen Outlet | G⅜" |

## Weight & Dimensions

| | | |
|---|---|---|
| Weight | 8.3 kg | 18.2 lbs |
| Height | 758 mm | 29.8" |
| Width | 200 mm | 7.8" |
| Depth | 63 mm | 2.4" |

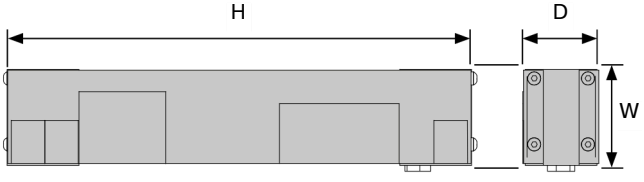



*Image for representation purposes only. Please visit www.parker.com/membranegasseparation to download the engineering drawings and 3D model files, for an exact configuration.

# NITROGEN MEMBRANE PART NUMBER CONFIGURATION

| Configurator | T | T | 6 | 0 | 4 | - | | | | - | | | - | A | - | 0 | 0 | A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| Model | Prefix |
|---|---|
| **TT604** | TT604 |

| Purity | Prefix |
|---|---|
| **95.0%** | 950 |
| **96.0%** | 960 |
| **97.0%** | 970 |
| **98.0%** | 980 |
| **99.0%** | 990 |
| **99.5%** | 995 |

| Pressure | Prefix |
|---|---|
| **5.0 bar(g)** | 05 |
| **6.0 bar(g)** | 06 |
| **7.0 bar(g)** | 07 |
| **8.0 bar(g)** | 08 |
| **9.0 bar(g)** | 09 |
| **10.0 bar(g)** | 10 |
| **11.0 bar(g)** | 11 |
| **12.0 bar(g)** | 12 |

| Housing | Suf fix |
|---|---|
| **TT604** | A |

Part number configuration should be based on end user requirement to meet their application/process needs.

**Example:**

| | Flow Rate | Purity | Pressure | Housing Material | Suf fix |
|---|---|---|---|---|---|
| **Requirement:** | 7.5m³/hr | @ 95.0% | 7.0 bar(g) inlet | Aluminium | 00A |
| **Selection:** | 8.4m³/hr | 950 | 07 | A | |

| Part Number: | T | T | 6 | 0 | 4 | - | 9 | 5 | 0 | - | 0 | 7 | - | A | - | 0 | 0 | A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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