

Terminal unit for medical gases

QMT-Tech terminal unit for medical gases is used as an non-interchangeable connection point for the medical gases. The terminal unit is available in a modern design in recessed, panel integrated or surfaced mounting. The terminal unit can be freely mounted with any medical gas (consideration should be given to practice in placement order).

The enclosure is manufactured from impact resistant polycarbonate, standard colour white RAL 9010. Recessed assembly is designed to evacuate any leakage to the surrounding room so that no gas is trapped inside of wall sections. Pipe connection ends are capped at delivery to maintain cleanliness.

QMT-Tech terminal unit has an especially large flow capacity thanks to a large connection diameter (10 mm) and an optimized valve cross section. Combined with QMT-Tech stainless steel male probe (QMT 715), this will give a maximized flow capacity. The terminal unit is a precision product where each component work together for the markets best flow capacity. The product fulfills the national norm SIS HB 370, EN ISO 9170-1, EN ISO 9170-2 and SS 875 24 30. Accessories consists of assembly fixtures for recessed mounting.

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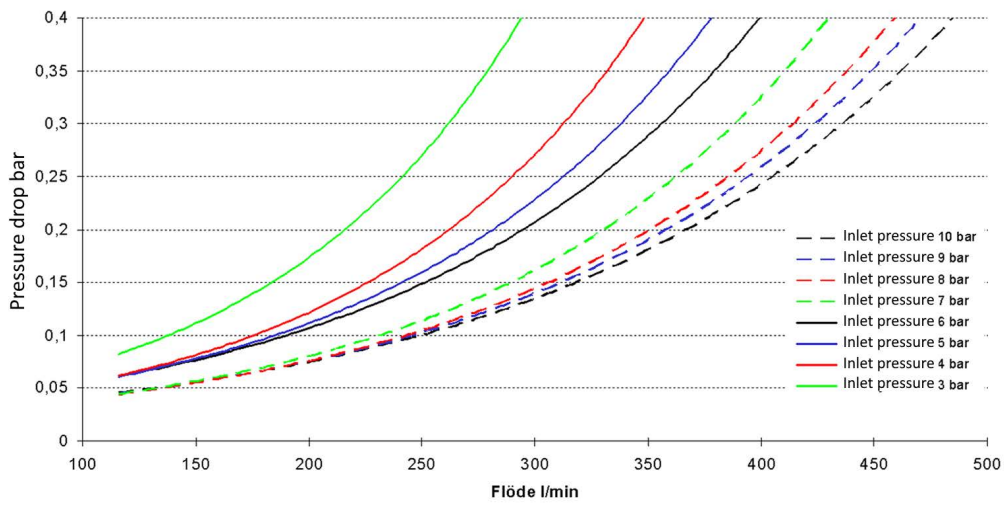
QMT terminal unit recessed and surfaced mounting in mono- and duo-design

Program text

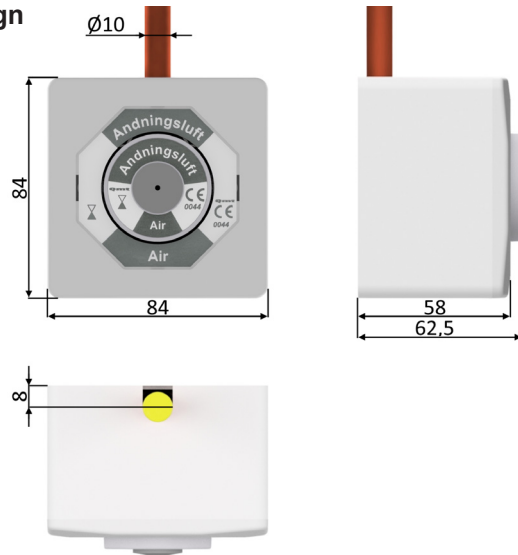
QMT 711-(X)I/U/P00(X) Terminal unit for medical gas. Non-interchangeable and with a large flow capacity. The terminal units are marked with gasspecific colour coding and plain text for each gas type. Pressure class PN16. The connection points are at delivery capped to maintain cleanliness and are labelled with gas type. The product complies to EN ISO 9170-1, EN ISO 9170-2, SS 875 24 30 and national norm SIS HB 370 and is CE-marked.

Design

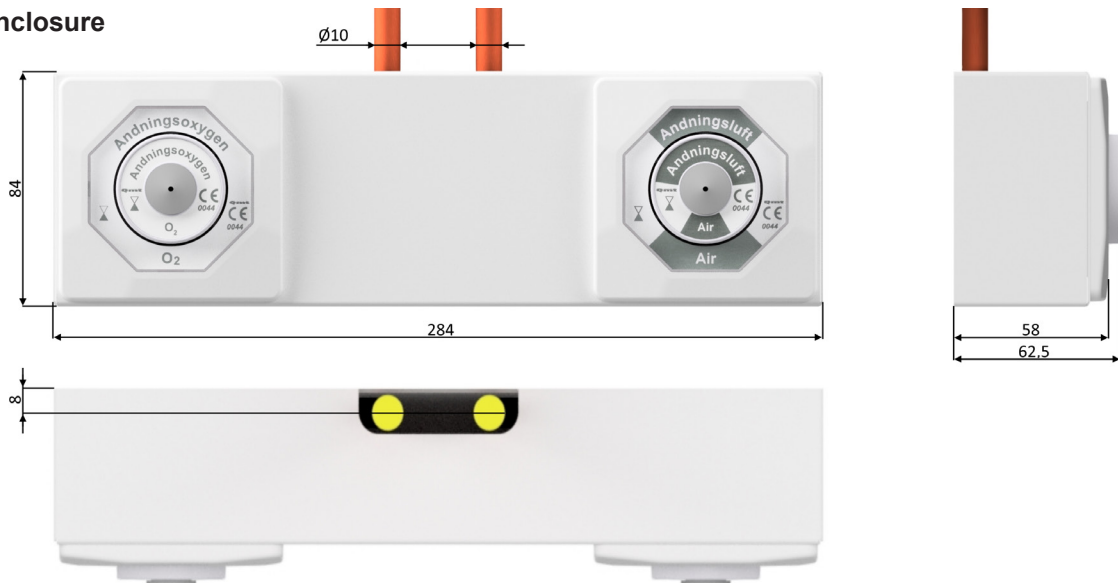
The terminal unit is designed to be an non-interchangeable connectionpoint for the medical gases where manual shut-off is not necessary. The terminal unit is equipped with a maintenance valve which means that the gas is not needed to be switched off at service. Especially large flow rate is achieved by an optimized valve cross section in combination with QMT-Tech stainless steel male probe (QMT 715). Recessed mounting is designed that any gas leakage will be evacuated to the surrounding room and not be trapped inside of the wall section. Connection points are capped at delivery to maintain cleanliness. The product is CE-marked and complies to EN ISO 9170-1, EN ISO 9170-2, SS 875 24 30 and national norm SIS HB 370.



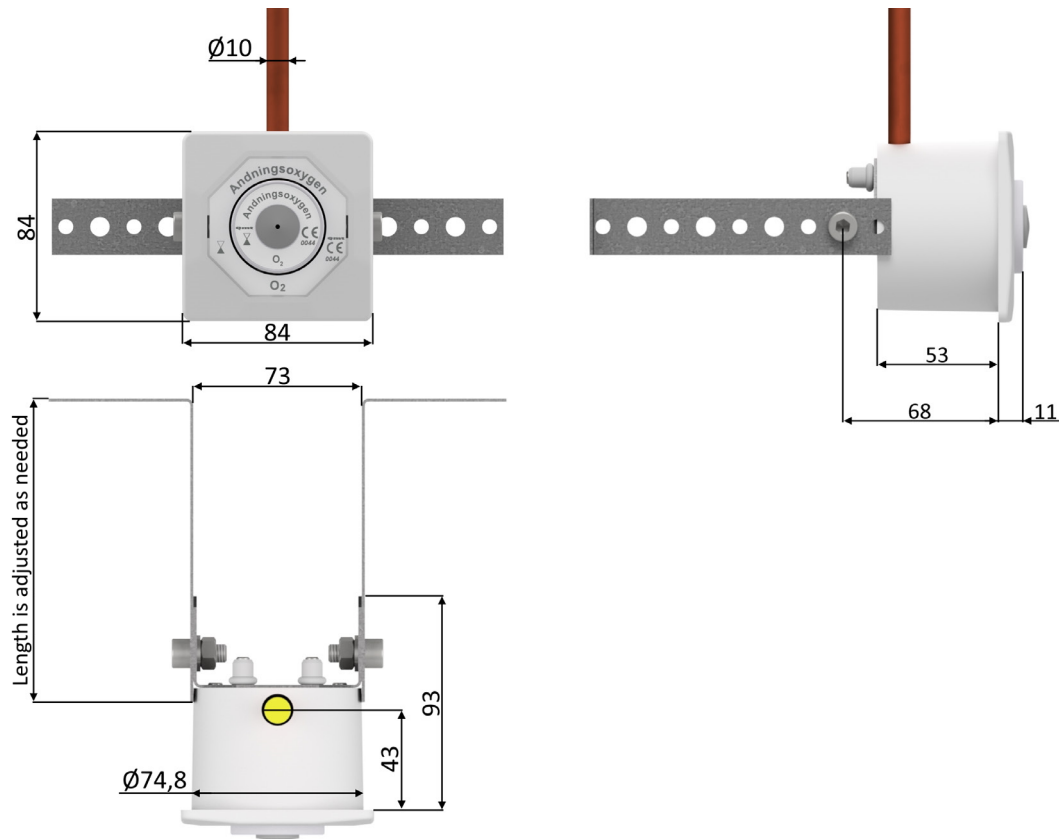
Surface mounted design Mono enclosure



Duo enclosure



Duo enclosure



*Assemblies of unenclosed terminal units (for nursing ward panels, operating pendulum columns etc) do not contain the parts for recessed mounting.

See separate assembly instruction for assembly of the terminal unit.

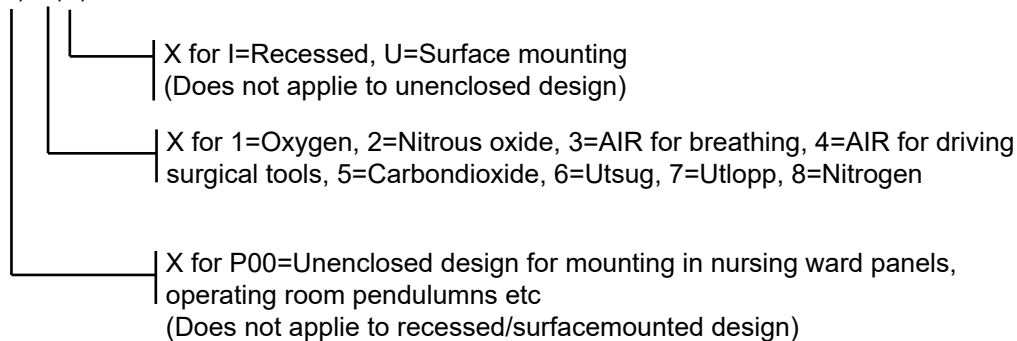
Warning

The use of shield gas, during brazing, in medical gas supply systems must be carefully planned and separated from the existing medical gas system. When brazing and testing is finished the system must be purged with the intended medical gas (=pharmaceutical) to prevent injury, see SIS HB 370. Safety testing shall follow the same routine for both permanently installed product as for mobile/portable units.

Products from QMT-Tech ab shall not during installation, maintenance or running be subjected to temperatures over 100 (grader celcius symbol). Should it have happened, or suspicion of such, the system must be replaced and the system, sanitized. In the event of fire the section must immediately be separated and sanitized prior to running. Do not install any equipment from QMT-Tech ab if seals are missing or broken. the product can be contaminated and unsafe to be installed in medical gas systems.

Product key

QMT 711-(X)-X(X)



The product is also available for Technical AIR. Contact our sales department for more information.

Note

- The installer must have necessary product knowledge and competence in shield gas brazing, and have undergone brazing testing in accordance with EN 13133 (EN ISO 13585) and EN 13134. Brazing shall be performed with shield gas, without flux and silver phosphorus copper solder with at least five percent silver content (QMT 7200812).
- When installing the terminal unit, the guide notch must be positioned at 12 o'clock. Installation is most easily performed with the terminal unit wrench (QMT 702271) and the adjustment key (QMT 719999).
- Terminal units must not be exposed to temperatures exceeding 100 ° C. as long as the pipe length delivered is not cut, protective gas soldering can be done without disassembling the terminal unit and the check valve. If the pipe is cut, the terminal unit must be disassembled and the check valve removed.
- The installer must ensure that the correct gas and function is achieved through safety testing and that the plant complies with EN ISO 7396-1 and national norm SIS HB 370.
- The medical gas supply system must be safety inspected prior to commissioning in accordance with the applicable standard. During safety testing, flow and leakage are checked, among other things.
- When disassembling Qmt's terminal unit, the teflon seal (QMTR-207017) must be replaced during reassembly.

Operation & Maintenance Instructions

- Terminal units must be annually for safety tested. If no abnormal inertia or leakage is detected, the terminal units are approved for another year. In the event of a leak, the O-rings in the gas outlet shall be replaced and a new safety test must be performed.
- O-rings are changed whenever necessary or at least every three years after the installation date
- Oil, grease and other contaminants must not come into contact with the product
- Safety inspection is carried out in accordance with national norm SIS HB 370
- Used product is returned to an authorized recycling company
- Avoid mounting equipment directly in the terminal unit. Use a separate bracket, eg equipment rail from Qmt ab.
- To connect hose or equipment make sure that the equipment corresponds with the correct gas of the terminal unit and insert the male probe into the terminal unit without using excessive force.
- To avoid whiplash effect when disconnecting, hold firmly to the hose or equipment and press the release plate or release sleeve.

Installation instructions

For installation instructions, see separate document.
Please scan the QR code to see the installation instructions.

