



MediTrac[®]
Medical Gas Piping System by OmegaFlex[®]

Medical Gas Piping System

Available
in sizes from
15 to 50mm

Innovation from end to end.

MediTrac[®] CMT is now listed
to ICC-ES Evaluation ESR-4565
for seismic resilience!

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MediTrac® CMT seismic test rig

The New ICC-ES ESR-4565 listing represents the seismic certification by shake-table testing for MediTrac® Corrugated Medical Tubing (CMT) systems as an alternative to code-prescribed requirements. Omega Flex tubing systems were undamaged during the course of over 95 seismic tests that were modeled based on several of the most severe seismic events ever recorded. The seismic certifications for the three Omega Flex products, (MediTrac® CMT, CounterStrike® CSST, DoubleTrac® piping) are consistent with the technical requirements of the major US seismic codes and standards including: International Building Code, the ASCE-7 Standard, FEMA 461 as well as the City of Los Angeles Department of Building Safety, and the State of California Division of State Architect and HCAI.



MediTrac® CMT in seismic test rig.

MediTrac® CMT trunkline pulled through attic

- MediTrac® CMT, medical gas piping system alleviates a lot of the potential issues working in cramped, crowded and potentially dangerous environments.
- Running a continuous line with no fittings lowered the risk of contamination during installation.
- The use of MediTrac® CMT, medical gas piping system minimized the need for fire watch and fire prevention materials and procedures in the attic space, creating additional safety.
- Installation of the MediTrac® CMT, medical gas piping system was completed in a total of 8 man-hours versus an estimated 50 man hours for rigid copper piping.

For more information see Long Term Care Case Study. Ref MTUS-513



New bulk oxygen system for long term care.

Decrease construction and downtime

- MediTrac® CMT, medical gas piping system allowed the project to be completed in one afternoon rather than multiple days.
- The reduction in installation time was 85% compared to using traditional cleaned and capped copper.
- No closures or down time allowed the facility to operate on a normal schedule without any lost OR operating time.
- MediTrac® CMT, medical gas piping system allowed for zero additional construction and repair in the operating room.
- MediTrac® CMT, medical gas piping system created the ability for a flameless installation in a single afternoon with no additional construction or operating room closures making the project cost effective for the hospital.



MediTrac® CMT installed above a finished operating room ceiling.

For more information see Good Samaritan Hospital Case Study. Ref MTUS-653

Zero underground fittings

- Continuous run of 1½" (40mm) MediTrac® CMT medical gas piping system eliminated 100% of underground brazed fittings, which minimized the potential for contamination of the line.
- Elimination of underground fittings also removed all inaccessible potential points of failure.
- The additional benefit of eliminating underground fittings comes in the installation and inspection process. In a typical copper system, sections of conduit must be left out to allow for a third-party inspection of each fitting. The conduit then must be installed prior to burial.
- Eradicating the need to inspect any underground fittings or having a third-party inspector on site simplifies the installation process.



Oxygen main line for medical center.

[For more information see Underground Oxygen Main Line Case Study. Ref MTUS-652](#)



Flameless addition of medical gas outlets

No need for reconstruction or repair in operating rooms

- The adaptability and long lengths of MediTrac® CMT, medical gas piping system eliminated the need to remove large sections of the operating room ceilings and walls.
- No downtime in the operating rooms.
- No fire watch required as brazing for outlets was done off site.
- Two man-hours for MediTrac® CMT, medical gas piping system versus an estimated 15 man-hours for rigid copper.

[For more information see Oregon addition Case Study. Ref MTUS-651](#)

No on-site brazing and fire watch

- MediTrac® CMT straight fittings were pre-installed to the medical gas outlets off-site and then bagged and sealed until ready for installation.
- Outlets installed into the wall with minimal sheetrock removal.
- Use of MediTrac® CMT, medical gas piping system facilitated the project being completed in one day, rather than six or more days, enabling the return to normal operation with no closures or down time.
- Ease of transport to 42 story high rise job site.



MediTrac® CMT connection to Dental Manifold.

[For more information see Exceptional Dentistry Case Study. Ref MTUS-512](#)

MediTrac® CMT Flexible Medical Gas Piping

Part Number	Size
MTSI-0500-CMT-XX	15mm
MTSI-0750-CMT-XX	22mm
MTSI-1000-CMT-XX	28mm
MTSI-1500-CMT-XX	40mm
MTSI-2000-CMT-XX	50mm



Note: Tubing sizes shown are offered in various reel lengths denoted as XX.

MediTrac® CMT Fittings

Part Number	Size	Style
MTSI-0500-SF	15mm	Straight End
MTSI-0750-SF	22mm	Straight End
MTSI-1000-SF	28mm	Straight End
MTSI-1500-SF	40mm	Straight End
MTSI-2000-SF	50mm	Straight End
MTSI-0500-CPL	15mm	Coupling
MTSI-0750-CPL	22mm	Coupling
MTSI-1000-CPL	28mm	Coupling
MTSI-1500-CPL	40mm	Coupling
MTSI-2000-CPL	50mm	Coupling
MTSI-0500-T	15mm	Tee
MTSI-0750-T	22mm	Tee
MTSI-1000-T	28mm	Tee



Fittings are rated to 538°C, and the CMT includes a fire-retardant jacket for added strength and reliability. High-performance, UL-1365 tested, MediTrac® CMT, medical gas piping system fully complies with all 2018 NFPA 99 and ASTM E84 codes. The Quality Management System for MediTrac® CMT is certified to the ISO 13485:2016 Medical Device Standard and ISO 9001.



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