



Medical Gas Piping System

Available
in sizes from
1/2" to 2"

Innovation from end to end.
Meditrac® CMT is now listed
to ICC-ES Evaluation ESR-4565
for seismic resilience!

meditrac.us

MediTrac® seismic test rig

The New ICC-ES ESR-4565 listing represents the seismic certification by shake-table testing for MediTrac® Corrugated Medical Tubing (CMT) 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®, CounterStrike® CSST, and DoubleTrac®) 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® trunkline pulled through attic

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



New bulk oxygen system for long term care.

For more information see Long Term Care Case Study.

Decrease construction and downtime

- MediTrac® CMT 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 allowed for zero additional construction and repair in the operating room.
- MediTrac® CMT 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® installed above a finished operating room ceiling.

For more information see Good Samaritan Hospital Case Study.

Zero underground fittings

- Continuous run of 1½" MediTrac® CMT 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.](#)



Flameless addition of medical gas outlets

No need for reconstruction or repair in operating rooms

- The adaptability and long lengths of MediTrac® CMT 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 versus an estimated 15 man-hours for rigid copper.

[For more information see Oregon addition Case Study.](#)

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 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.

[For more information see Exceptional Dentistry Case Study.](#)



MediTrac® CMT connection to Dental Manifold.

MediTrac® Corrugated Medical Tubing System

MediTrac® Medical Gas Piping System

Part Number	Size	Reel Length	Wt Lbs
MT-0500-CMT-150	1/2"	150	45
MT-0500-CMT-300	1/2"	300	88
MT-0750-CMT-150	3/4"	150	64
MT-0750-CMT-300	3/4"	300	120
MT-1000-CMT-100	1"	100	54
MT-1000-CMT-200	1"	200	100
MT-1500-CMT-100	1-1/2"	100	265
MT-1500-CMT-300	1-1/2"	300	405
MT-2000-CMT-100	2"	100	185
MT-2000-CMT-300	2"	300	515



MediTrac® Fittings

Part Number	Size	Style	Wt Lbs
MT-0500-SF	1/2"	Straight End	1.1
MT-0750-SF	3/4"	Straight End	1.7
MT-1000-SF	1"	Straight End	2.5
MT-1500-SF	1-1/2"	Straight End	4.8
MT-2000-SF	2"	Straight End	6.5
MT-0500-CPL	1/2"	Coupling	1.7
MT-0750-CPL	3/4"	Coupling	2.6
MT-1000-CPL	1"	Coupling	4.3
MT-1500-CPL	1-1/2"	Coupling	8.5
MT-2000-CPL	2"	Coupling	14.6
MT-0500-T	1/2"	Tee	3.4
MT-0750-T	3/4"	Tee	5.2
MT-1000-T	1"	Tee	8.5



Accessories

Part Number	Size	Qty	Wt Lbs
MT-0500-SR	1/2"	5 pk	n/a
MT-0750-SR	3/4"	5 pk	n/a
MT-1000-SR	1"	5 pk	n/a
MT-1500-SR	1-1/2"	1 pk	n/a
MT-2000-SR	2"	1 pk	n/a



Fittings are rated to 1,000°F, and the CMT includes a fire-retardant jacket for added strength and reliability. High-performance, UL-1365 tested, MediTrac® CMT fully complies with all 2018 NFPA 99 and ASTM E84 codes.



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