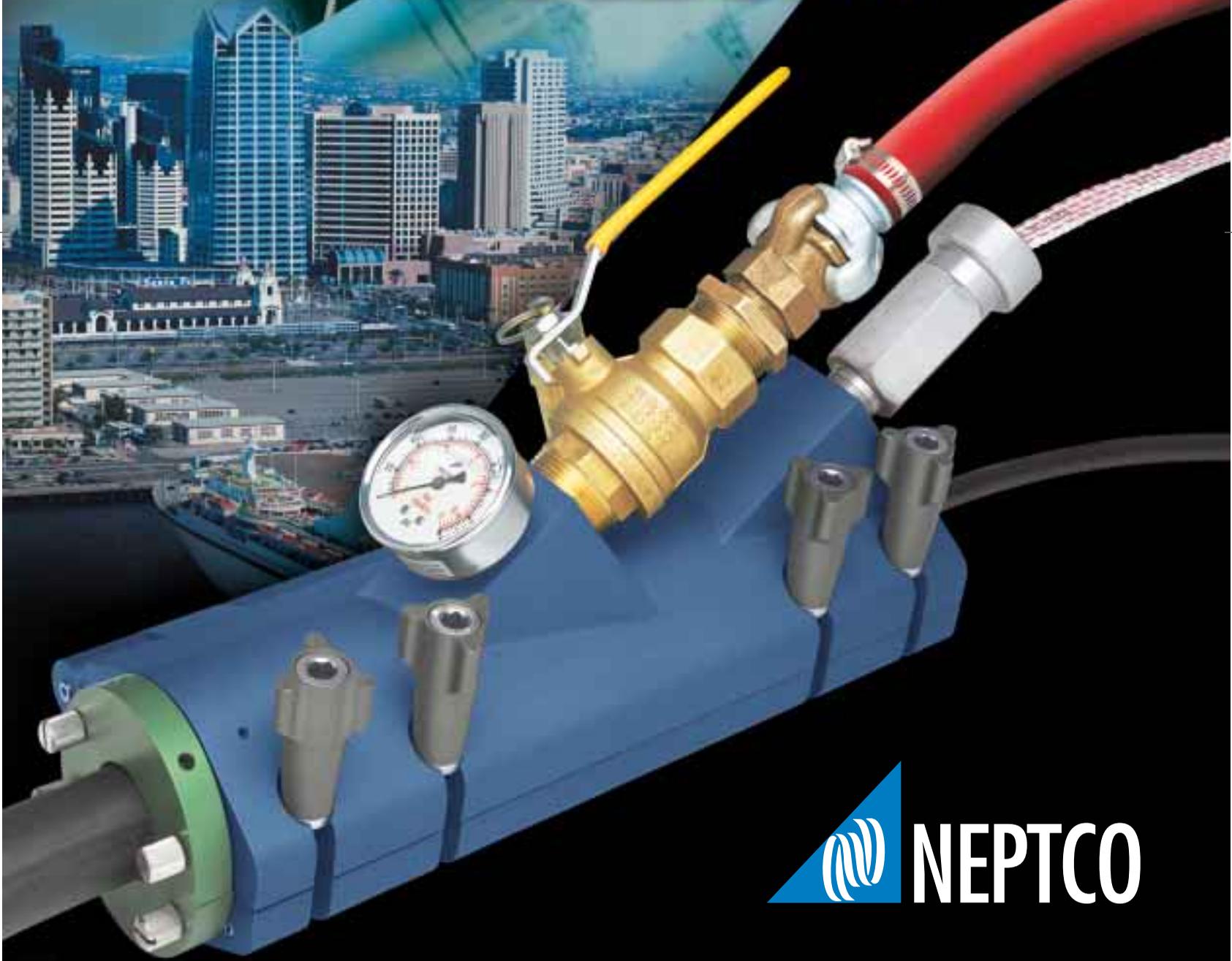




*The* **MULEGUN<sup>®</sup>**



**NEPTCO**

# Maximize Duct Capacity

NEPTCO's MULEGUN® is a modular device, which uses compressed air to install MULETAPE® or Detectable MULETAPE® in occupied and unoccupied conduit. Once installed, the MULETAPE can be used to locate existing fiber optic cables, or to install additional cable in the occupied duct.

The gun's hinged design allows the chamber to be clamped around the conduit without the need to cut or remove the existing, installed cable. When compressed air is introduced into the chamber, the pressure propels a parachute tied to a length of MULETAPE over the cable and through the conduit.

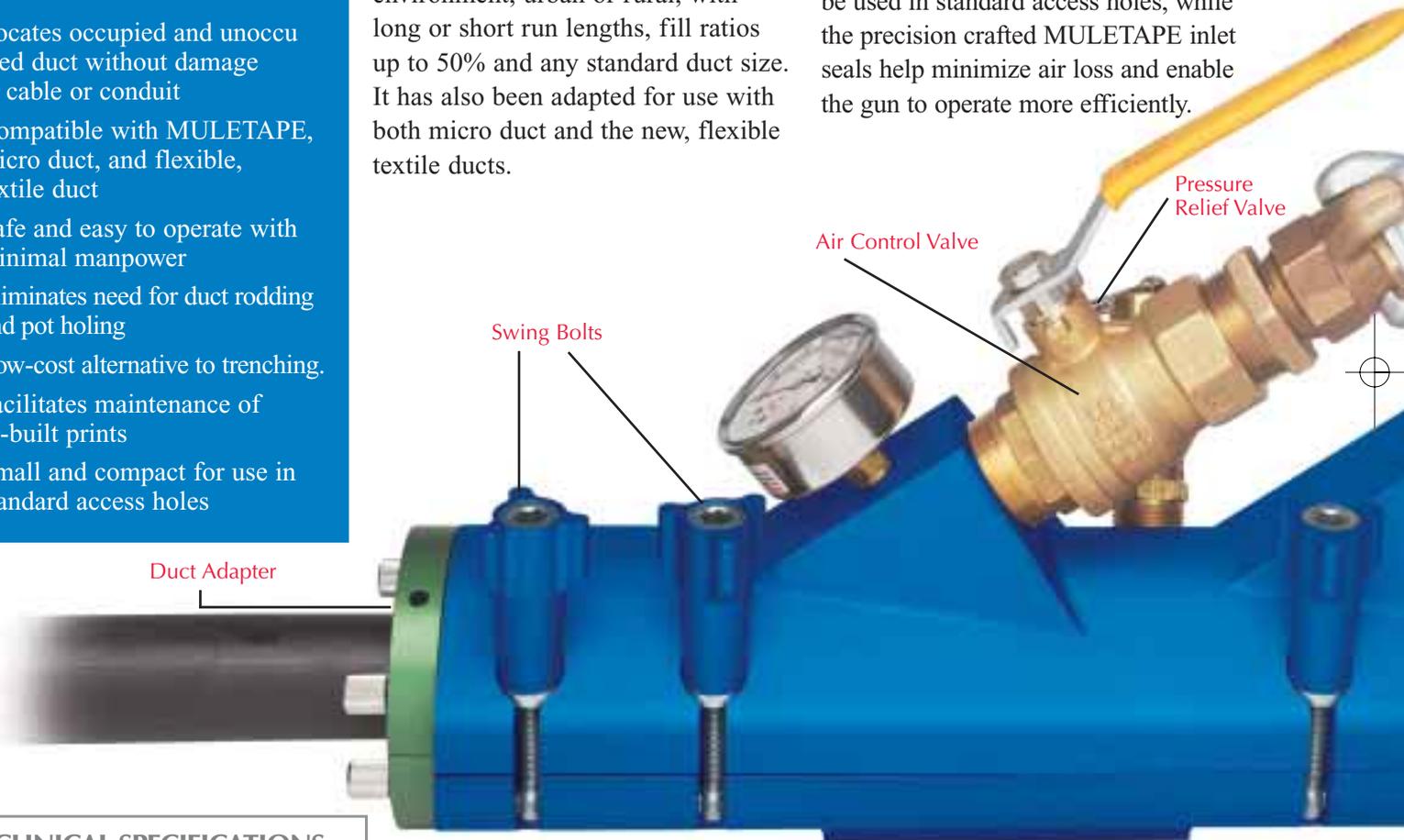
The MULEGUN is flexible enough to be used in virtually any installation environment, urban or rural, with long or short run lengths, fill ratios up to 50% and any standard duct size. It has also been adapted for use with both micro duct and the new, flexible textile ducts.

## Save Time & Money

The MULEGUN is a safe alternative to more costly and time-consuming installation methods like duct rodding, pot holing, and hot cutting. Not only does the MULEGUN drastically reduce the amount of time and manpower required to locate a run or install new cables, it does so without the risk of damage to the already installed cable. The gun's compact design allows it to be used in standard access holes, while the precision crafted MULETAPE inlet seals help minimize air loss and enable the gun to operate more efficiently.

### FEATURES and BENEFITS

- ◆ Locates occupied and unoccupied duct without damage to cable or conduit
- ◆ Compatible with MULETAPE, micro duct, and flexible, textile duct
- ◆ Safe and easy to operate with minimal manpower
- ◆ Eliminates need for duct rodding and pot holing
- ◆ Low-cost alternative to trenching.
- ◆ Facilitates maintenance of as-built prints
- ◆ Small and compact for use in standard access holes



### TECHNICAL SPECIFICATIONS

Gun Size: Length: 19"  
Width: 6.25"  
Height: 11"

Approximate Shipping Weight (Kit): 55 lbs.

Operating Pressure: up to 125 psi, 8.6 bar

Duct Sizes: 1", 1.25", 1.5", and 2"

Cable Seals: sizes 7mm to 26 mm

Tape Seals: Accommodate 1250-2500lb. MULETAPE

NEPTCO produces four different sized parachutes and numerous duct adapters to accommodate various duct sizes and fill ratios. The table at right is a guide to help determine the correct parachute size and corresponding duct adapter for a particular application.

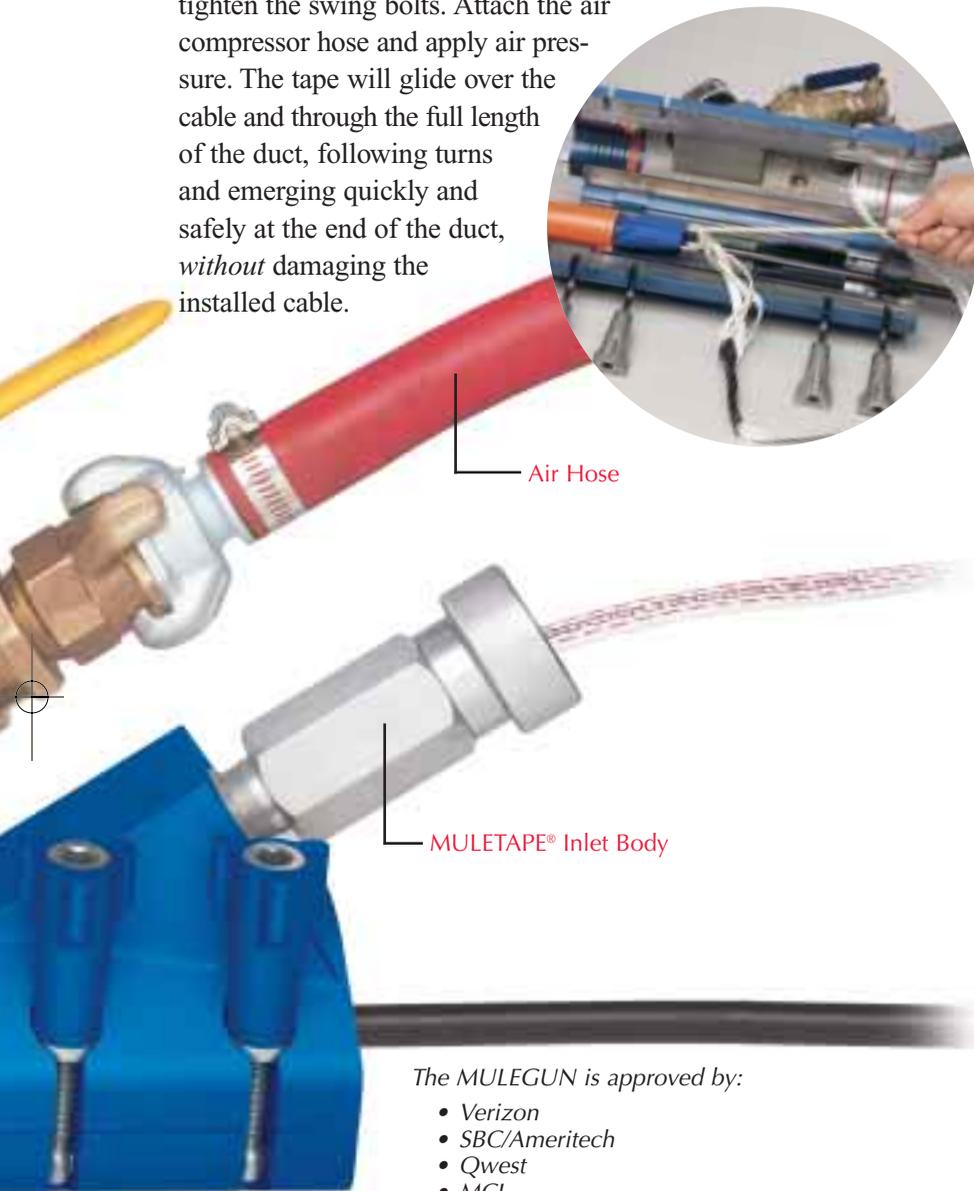
**Note:** Spring-loaded parachutes are also available.

DUCT SIZE	*FILL RATIO	PARACHUTE SIZE/CONDUIT SIZE
1"	HIGH	SMALL
	LOW	SMALL
1.25"	HIGH	SMALL
	LOW	MEDIUM
1.5"	HIGH	SMALL
	LOW	MEDIUM
2"	HIGH	SMALL
	LOW	LARGE
4"	HIGH	XL/GREY
	LOW	XL/GREY

\*HIGH=Fill ratio between 35% and 50%  
For larger or metric duct sizes, contact NEPTCO

# How It Works

Operating a MULEGUN is simple and straightforward. Just thread the desired MULETAPE through the inlet seal of the MULEGUN, attach it to the specially designed parachute, and insert the parachute into the conduit. Close the MULEGUN around the conduit and tighten the swing bolts. Attach the air compressor hose and apply air pressure. The tape will glide over the cable and through the full length of the duct, following turns and emerging quickly and safely at the end of the duct, *without* damaging the installed cable.



The MULEGUN is approved by:

- Verizon
- SBC/Ameritech
- Qwest
- MCI

## PARACHUTES/DUCT ADAPTERS

RATIO	RECOMMENDED PARACHUTE SIZE/COLOR	RECOMMENDED DUCT ADAPTER COLOR
	SMALL/RED	RED
	SMALL/RED	RED
	SMALL/RED	GREEN
	MEDIUM/BLUE	GREEN
	SMALL/RED	BLUE
	MEDIUM/BLUE	BLUE
	SMALL/RED	N/A
	LARGE/BROWN	N/A
	XL/GREEN	4" Duct Adapter Assembly
	XL/GREEN	4" Duct Adapter Assembly

LOW= Fill ratios under 35%

For fill ratios between 35% and 50% and for other duct sizes, contact NEPTCO.

# Special Accessories for Unique Applications

The MULEGUN can be adapted for use in a variety of installation scenarios. Whether you're installing micro duct or textile duct, working with very large ducts, or dealing with flush-mounted duct, NEPTCO has the tools you need.



Adapter



Micro Duct



Flexible Textile Duct



Adapter



Flush-Mount Duct Adapters

## The MULEGUN® Kit

The MULEGUN is packaged ready to use from the factory. Each MULEGUN kit contains an array of cable seals, a parachute, a duct adapter, and MULETAPE inlet seals — all available in your choice of sizes.

Standard product accessories include a ball valve with a “Y” fitting to accommodate a second air hose, a tape inlet plug, and a

MULESTICK. Additional accessories may be purchased separately.



Kit Shown with Optional Accessories

### Parachutes



### Duct Adapters



### MULETAPE Inlet Seals



## The MULEGUN® is Expressly Designed to Work with NEPTCO MULETAPE®

NEPTCO's MULEGUN is specifically designed to work with our proven and popular MULETAPE cable installation and detection products. The MULETAPE family of tapes, including

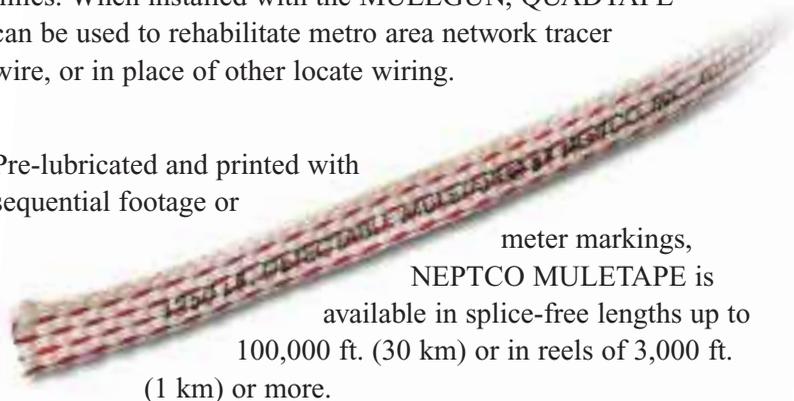


QUADTAPE™, substantially reduces cable installation labor, material and inventory costs by providing a single product that can thread, measure, pull and detect.

QUADTAPE features four individual 22 gage conductors for operations that demand enhanced conductivity. It is compatible with all cable pro-

tection monitoring systems and will transmit tone up to 35 miles. When installed with the MULEGUN, QUADTAPE can be used to rehabilitate metro area network tracer wire, or in place of other locate wiring.

Pre-lubricated and printed with sequential footage or



meter markings,

NEPTCO MULETAPE is

available in splice-free lengths up to

100,000 ft. (30 km) or in reels of 3,000 ft.

(1 km) or more.

For more information or to place an order, call:

1-866-MULEGUN

1-866-685-3486



NEPTCO 11956 – 5M – 5/05



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