



FLEXIBLE GAS PIPING SYSTEM

Corrugated Stainless Steel Tubing



CSST

Part No.	Description	Length per coil
S93-6A4-250	3/8" Corrugated Stainless Steel Tubing	250 ft./coil
S93-8A4-250	1/2" Corrugated Stainless Steel Tubing	250 ft./coil
S93-11B4-250	3/4" Corrugated Stainless Steel Tubing	250 ft./coil
S93-16A4-150	1" Corrugated Stainless Steel Tubing	150 ft./coil
S93-20A4-150	1-1/4" Corrugated Stainless Steel Tubing	150 ft./coil
S93-24A4-150	1-1/2" Corrugated Stainless Steel Tubing	150 ft./coil
S93-32A4-150	2" Corrugated Stainless Steel Tubing	150 ft./coil

Other stock and custom lengths available

Application

CSST flexible gas piping supplies natural gas or liquefied petroleum to appliances.

Material/Specification

Tubing: ASTM A240 Type 304, 321 Stainless Steel (TMH 1042).
Jacket: TENITE Polyethylene complying with requirements of ASTM E84 Index for Flame and Smoke.

Features and Benefits

- Flexibility and durability allows for simple routing through complex building structures and designs
- Pre-marked by the foot for easy measuring and installation
- Lightweight—250 feet of 1/2" CSST weighs under 40 pounds
- 100% factory pressure tested
- Minimum tubing wall thickness of .010 on all sizes is more robust than other brands of CSST
- Annealed 304 stainless steel makes tubing more flexible than brands not heat treated

Regulators and Accessories



Maxitrol Regulators and Accessories

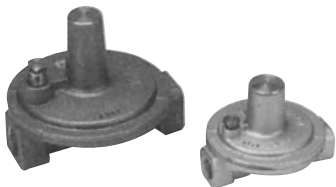
Part No.	Description
T325-3-44	250 CFH @ 8" w.c.
T325-3-44P	250 MBH @ 11" w.c.-Propane
T325-5-44	550 CFH @ 8" w.c.
T325-5-44P	550 MBH @ 11" w.c.-Propane
T325-7L	1000 CFH @ 8" w.c.
TRV48	250 CFH @ 8" w.c.
TRV48P	250 CFH @ 11" w.c.-Propane
VP-3	Outdoor Vent Protector (325-3), 1/8" NPT
VLP-3	Vent Line Protector for end termination
EPAL-1-100	Adhesive Labels for elevated pressure identification—not shown
EPMT-1-100	Metal Tags for Uniform Plumbing Code compliance—not shown

Application

For use in elevated pressure systems (in excess of 1/2 psi) to reduce pressure to standard appliance use levels. Can be used for natural gas & liquefied petroleum (LP) gas. Outdoor vent protector is used when vent-limiting orifice is removed for outdoor installation of regulator.

Material/Specification

Available for 2 psi to 5 psi inlet pressures and 8" w.c. to 11" w.c. outlet pressures. Individual specification sheets available upon request.



Oara Regulators

Part No.	Description
REG8-300	250 CFH @ 8" w.c.
REG11-300	250 MBH @ 11" w.c.-Propane
REG8-600	550 CFH @ 8" w.c.
REG11-600	550 MBH @ 11" w.c.-Propane

Application

For use in elevated pressure systems (in excess of 1/2 psi) to reduce pressure to standard appliance use levels. Can be used for natural gas & liquefied petroleum (LP) gas.

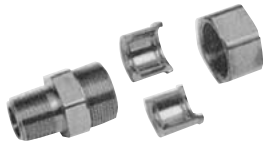
Material/Specification

Available for 2 psi to 5 psi inlet pressures and 8" w.c. to 11" w.c. outlet pressures. Individual specification sheets available upon request.

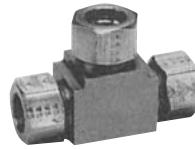


FLEXIBLE GAS PIPING SYSTEM

Fittings



Straight Fitting



Tee Fitting

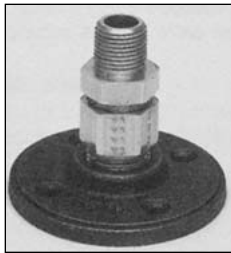


Coupling

Part No.	Description
XRFTG-6-24	3/8" Straight Fitting-1/2" NPT
XRFTG-8-24	1/2" Straight Fitting-1/2" NPT
XRFTG-11-24	3/4" Straight Fitting-3/4" NPT
XRFTG-16-12	1" Straight Fitting-1" NPT
XRFTG-20-6	1-1/4" Straight Fitting-1-1/4" NPT
XRFTG-24-4	1-1/2" Straight Fitting-1-1/2" NPT
XRFTG-32-4	2" Straight Fitting-2" NPT

Part No.	Description (Run x Run x Branch)
XRT-8-12	1/2" x 1/2" x 1/2" Tee Fitting
XRT-11-12	3/4" x 3/4" x 3/4" Tee Fitting
XRT-16-6	1" x 1" x 1" Tee Fitting
XRT-11-8-8-6	3/4" x 1/2" x 1/2" Tee Fitting
XRT-11-11-8-6	3/4" x 3/4" x 1/2" Tee Fitting
XRT-16-11-8-6	1" x 3/4" x 1/2" Tee Fitting
XRT-16-11-11-6	1" x 3/4" x 3/4" Tee Fitting
XRT-16-16-11-6	1" x 1" x 3/4" Tee Fitting

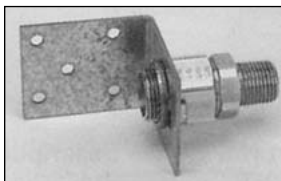
Part No.	Description
XRCPL-6-12	3/8" Coupling
XRCPL-8-12	1/2" Coupling
XRCPL-11-12	3/4" Coupling
XRCPL-16-6	1" Coupling
XRCPL-20-6	1-1/4" Coupling
XRCPL-24-4	1-1/2" Coupling
XRCPL-32-4	2" Coupling



Term. Fitting



90 Degree Term. Fitting



Term. Bracket Fitting

Part No.	Description
XRTRM-6-12	3/8" Term. Fitting-Cast Flange-1/2" NPT
XRTRM-8-12	1/2" Term. Fitting-Cast Flange-1/2" NPT
XRTRM-11-12	3/4" Term. Fitting-Cast Flange-3/4" NPT
XRTRM-16-6	1" Term. Fitting-Cast Flange-1" NPT
XRTRM-20-6	1-1/4" Term. Fitting-Cast Flange-1-1/4" NPT
XRTRM-24-4	1-1/2" Term. Fitting-Cast Flange-1-1/2" NPT
XRTRM-6-12G	3/8" Term. Fitting-Galvanized Flange-1/2" NPT
XRTRM-8-12G	1/2" Term. Fitting-Galvanized Flange-1/2" NPT
XRTRM-11-12G	3/4" Term. Fitting-Galvanized Flange-3/4" NPT
XRTRM-16-6G	1" Term. Fitting-Galvanized Flange-1" NPT
XRTRM-20-6G	1-1/4" Term. Fitting-Galvanized Flange-1-1/4" NPT
XRTRM-24-4G	1-1/2" Term. Fitting-Galvanized Flange-1-1/2" NPT
XRTRM-6-12CB	3/8" Term. Fitting-Bronze Flange-1/2" NPT
XRTRM-8-12CB	1/2" Term. Fitting-Bronze Flange-1/2" NPT
XRTRM-11-12CB	3/4" Term. Fitting-Bronze Flange-3/4" NPT
XRTRM-16-6CB	1" Term. Fitting-Bronze Flange-1" NPT
XRTRM-20-6CB	1-1/4" Term. Fitting-Bronze Flange-1-1/4" NPT
XRTRM-24-4CB	1-1/2" Term. Fitting-Bronze Flange-1-1/2" NPT
XR90-6-12	3/8" 90 Degree Term.-Cast. Flange-1/2" NPT
XR90-8-12	1/2" 90 Degree Term.-Cast Flange-1/2" NPT
XR90-6-12G	3/8" 90 Degree Term.-Galvanized Flange-1/2" NPT
XR90-8-12G	1/2" 90 Degree Term.-Galvanized Flange-1/2" NPT
XR90-6-12CB	3/8" 90 Degree Term.-Bronze Flange-1/2" NPT
XR90-8-12CB	1/2" 90 Degree Term.-Bronze Flange-1/2" NPT
XRTRMBKT-8-12	1/2" Term. Bracket Fitting-1/2" NPT
XRTRMBKT-11-12	3/4" Term. Bracket Fitting-3/4" NPT

Application

Straight Fittings connect the flexible gas piping to gas supply, distribution manifolds or gas appliances. Termination Fittings create a fixed point "stub-out" on wall or floor surface for appliance attachment. Tee Fittings create a branch line on tubing runs.

Features and Benefits

- Tool-less flare design; no special tools are required
- Metal-to-metal seal, with no split rings, o-rings or gaskets
- Self-guiding assembly to ensure a perfectly even flare
- Exclusive, patent-pending Jacket-Lock™ feature to eliminate exposed stainless steel beyond the nut
- All components are fully re-useable



FLEXIBLE GAS PIPING SYSTEM

Manifolds



Multi-Port Manifolds

Part No.	Description
3-PORTMAN	Cast 3 port w/PT Port 3/4"F x 1/2"F x 1/2"F
4-PORTMAN	Cast 4 port w/PT Port 3/4"F x 1/2"F x 1/2"F
5-PORTMAN	Cast 5 port w/PT Port 3/4"F x 1 @ 3/4"F x 4 @ 1/2"F x 1/2"F
111596-08	Coated Steel 4 Port 3/4"F x 1/2" Ports x 3/4"M

Application

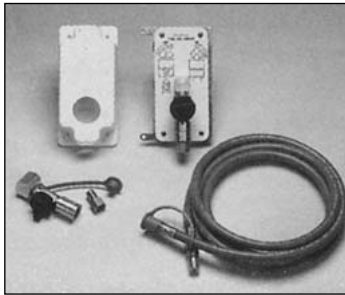
Provides central distribution point for individual runs to each appliance.

Material/Specifications

Coated 4 Port–Welded IPS Schedule 40 pipe.
 Cast 3-4-5 Port–ASTM A47 32510 Malleable Iron.

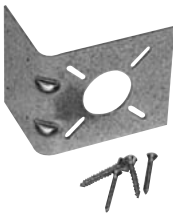


Coated Manifold



Quick Connect and Accessories

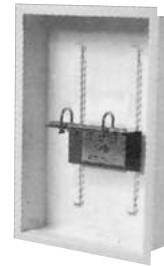
Part No.	Description
T103029	1/2" Quick Connect Valve
QCOUTLET-1/2	1/2" Quick Connect Kit (Valve-Bracket-Elbow)
QCCOVER-1/2	Quick Connect Kit Cover
OUTFLEX-3/8	Outdoor Flex Connector-3/8" x 12'
QCE-BOX	Plastic Box & Grommets



Termination Bracket



Manifold Bracket



Gas Load Center

Part No.	Description
LBACE-1	Term. Fitting Mounting Kit-Fits 3/8"-1" CSST
MBACE-1	Manifold Mounting Kit-Fits all manifolds
GLC-1	Gas Load Center Kit-14-1/2" x 24" x 3-1/2"

Application

Termination Bracket provides mounting surface for termination fitting assembly. Manifold Bracket provides mounting platform for manifolds, supplied with adhesive port labeling. Gas Load Center creates a recessed cabinet for a more polished look to manifold assembly.

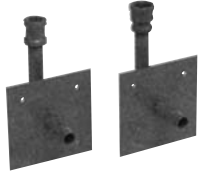
Material/Specifications

Term. Fitting and Manifold Mounting Kits-16 gauge galvanized sheet metal. Gas Load Center-20 gauge steel with a white polyester powder coat finish. Metal Tubing Straps-16 gauge sheet metal.



FLEXIBLE GAS PIPING SYSTEM

Modular Stub System



Stub-Out

Part No.	Description
AP-STUB-8-10	1/2"M x 1/2"F x 1-3/4" Stub length - Appliance Stub-Out
L-AP-STUB-8-10	1/2"M x 1/2"F x 2-1/4" Stub length - Appliance Stub-Out
AP-STUB-11-10	1/2"M x 3/4"F x 1-3/4" Stub length - Appliance Stub-Out
L-AP-STUB-11-10	1/2"M x 3/4"F x 2-1/4" Stub length - Appliance Stub-Out
1/2X6STUB-10	1/2"M x 6"L Straight Stub
1/2X12STUB-10	1/2"M x 12"L Straight Stub
3/4X6STUB-10	3/4"M x 6"L Straight Stub
3/4X12STUB-10	3/4"M x 12"L Straight Stub
1X6STUB-10	1"M x 6"L Straight Stub
1X12STUB-10	1"M x 12"L Straight Stub
1-1/4X6STUB-10	1-1/4"M x 6"L Straight Stub
1-1/4X12STUB-10	1-1/4"M x 12"L Straight Stub
1-1/2X6STUB-10	1-1/2"M x 6"L Straight Stub
1-1/2X12STUB-10	1-1/2"M x 12"L Straight Stub
STUB-BRACE	Stub Bracket (optional)-Fits All



Stub-Out with Bracket

Application

Creates a fixed point "stub-out" on a wall or floor surface for meter and appliance attachment.

Material/Specification

Domestic Schedule 40 steel pipe complying with material standard ASTM A-53.

Exterior finish-black oxide finish after all threading, forming and welding.

Features and Benefits

- Reduce the number of joints in the system where contractors typically fabricate "stub-outs" from rigid pipe nipples, elbows and couplings
- Provides a fixed point termination for installations where the appliances are not yet installed
- Creates a more polished look to the overall installation

Strike Protection

Part No.	Description
TFM204-100	Quarter Striker Plate-3" x 2"
TFM201-50	Half Striker Plate-3" x 7"
TFM205-25	Full Striker Plate-3" x 12"
TFM210	6" x 17" Striker Plate

Part No.	Description
FLOPPY12	3/4" Coil steel conduit
FLOPPY16	1" Coil steel conduit
FLOPPY20	1-1/4" Coil steel conduit
FLOPPY24	1-1/2" Coil steel conduit
FLOPPY28	1-3/4" Coil steel conduit
FLOPPY36	2-1/4" Coil steel conduit
Floppy48	3" Coil steel conduit

Part No.	Description
LFLOPPY-12-50	3/4"-Cut to 1 foot length
LFLOPPY-16-50	1"-Cut to 1 foot length
LFLOPPY-20-25	1-1/4"-Cut to 1 foot length
LFLOPPY-24-25	1-1/2"-Cut to 1 foot length
LFLOPPY-28-25	1-3/4"-Cut to 1 foot length
LFLOPPY 36-25	2-1/4"-Cut to 1 foot length
LFLOPPY 48-25	3"-Cut to 1 foot length



Striker Plates



Steel Conduit

Application

For use where flexible gas piping passes through structural members and is restricted from moving to avoid nails, screws and other potential puncture threats.