



INFINEX™ ADAPTERS

Installation Instructions

The Infinex™ line of adapters are designed to be assembled on CTS size compression threads after the compression nut is removed. These adapters have an integral EPDM rubber gasket that seals to the face of the beveled gasket surface. Infinex™ couplings allow you to join any CTS valve and adapter, or adapter to adapter, or even valve to valve. The increasers grow the size of the valve or adapter. Reducers and extenders are also available.

After the adapter is connected to a valve using the torque procedures below, use the assembly to mark the section of pipe to be cut out.

EXTENDED CURB VALVE

1. Hold the extended valve assembly next to the old valve to be removed.
2. Mark the pipe at the line on the Infinex adapter body that says, “pipe end”.
3. Mark the other side of the pipe at the valve wrench flats.
4. Cut out the valve, fitting, and short pipe sections at the two (2) mark points.
5. Slip the new valve and extender into the gap, feeding the extender which has a deep end onto the first pipe, then slip the assembly back over the second pipe until it hits the internal pipe stop inside the valve end.
6. Torque the compression nuts per manufacturer’s instructions.

INCREASERS*

A new outlet compression nut is shipped with the Infinex adapter.

EXTENDERS*

1. The compression nut should be removed from the valve or fitting to be extended.
2. Thread the Infinex adapter onto the threads of the valve or fitting to be extended.
3. Attach the compression nut that was removed to the end of the Infinex adapter.

COUPLINGS*

1. Remove the connection nuts from two valves or adapters to be joined.
2. Add and Infinex™ coupling to both ends, and torque as recommended.

**Refer to specific nut installation instructions shipped with valve or fitting that is being adapted in addition to the Infinex adapter installation instructions found above.*

**Pressure test for leakage before backfilling in accordance with ASTM D2774.*

WARNING: DO NOT use a compressible medium, such as air, to check for water tightness. Doing so could result in an explosive failure causing serious bodily injury or property damage. Never reuse a compression nut without first replacing the gasket and grip ring components.

WARNING: DO NOT use if threads on the Infinex Adapter or valve/fitting threads are damaged. Damaged threads may result in a connection failure that could cause bodily injury and/or property damage. Do not reuse without Mueller provided replacement gasket.

For more information about Mueller or to view our full line of water products, please visit www.muellerwp.com or call Mueller customer service at 1.800.423.1323.

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Infinex™ End Torque

Size	MuellerValve/ adapter torque required	Other Valve/ adapter torque required
¾ cts 110 nut (quick nut) Pack Joint or Grip	Tighten Infinex™ to shoulder	Tighten with torque wrench 15-30 ft.lb.
1 cts 110 nut (quick nut) Pack Joint or Grip	Tighten Infinex™ to shoulder	Tighten with torque wrench 15-30 ft.lb.
1-1/2 cts 110 nut (quick nut) 1-1/2 cts Pack Joint or Grip	Tighten Infinex™ to shoulder Tighten with torque wrench 85 - 125 ft.lb.	Tighten with torque wrench 85-125 ft.lb
2 cts 110 nut (quick nut) 2 cts Pack Joint or Grip	Tighten Infinex™ to shoulder Tighten with torque wrench 100-150 ft.lb	Tighten with torque wrench 100-150 ft.lb

Exceeding max torque, or multiple reuses can damage the gasket, replacement gaskets are available as follows:
¾ cts = 310502, 1 cts = 504108, 1-1/2 cts = 500848, 2 cts = 500849

