

MUELLER® PACK JOINT CONNECTION INFORMATION

Mueller Co.

6.19

Rev. 4-20 Shaded area indicates changes

Tubing, pipe and liners used with Mueller Pack Joint Connection

Nominal size of connection	Material*	Tubing or pipe O.D. range - inches	Tubing or pipe wall thickness range - inches	Tubing or pipe I.D. range - inches	Liner part number
1/2" CTS	Type "K" copper	0.622 - 0.628	0.045 - 0.053	-	-
3/4" CTS	Type "K" copper	0.872 - 0.878	0.061 - 0.069	-	-
	Polyethylene	0.871 - 0.879	0.097 - 0.107	0.657 - 0.685	528704
1" CTS	Type "K" copper	1.121 - 1.129	0.061 - 0.069	-	-
	Polyethylene	1.120 - 1.130	0.125 - 0.137	0.846 - 0.880	528705
1-1/2" CTS	Type "K" copper	1.621 - 1.630	0.067 - 0.077	-	-
	Polyethylene	1.619 - 1.631	0.181 - 0.199	1.221 - 1.269	528706
2" CTS	Type "K" copper	2.120 - 2.130	0.076 - 0.090	-	-
	Polyethylene	2.119 - 2.131	0.236 - 0.260	1.599 - 1.659	528707
3/4" IPS	Polyethylene	1.045 - 1.110	0.118 - 0.138	0.809 - 0.834	505141
	3/4" Sch. 40 PVC	1.046 - 1.054	0.113 - 0.133	0.780 - 0.828	509759
	3/4" Sch. 80 PVC	1.046 - 1.054	0.154 - 0.174	0.698 - 0.746	509760
1" IPS	Polyethylene	1.329 - 1.399	0.150 - 0.170	1.029 - 1.059	505142
	1" Sch. 40 PVC	1.310 - 1.320	0.133 - 0.153	-	-
	1" Sch. 80 PVC	1.310 - 1.320	0.179 - 0.200	-	-
1-1/4" IPS	Polyethylene	1.754 - 1.832	0.197 - 0.221	1.360 - 1.390	312787
	Polyethylene	2.05 - 2.141	0.230 - 0.258	1.590 - 1.625	529116
1-1/2" IPS	1-1/2" Sch. 40 PVC	1.894 - 1.906	0.145 - 0.165	-	-
	1-1/2" Sch. 80 PVC	1.894 - 1.906	0.200 - 0.224	-	-
2" IPS	Polyethylene	2.637 - 2.742	0.295 - 0.330	2.047 - 2.082	529117
	2" Sch. 40 PVC	2.369 - 2.381	0.154 - 0.174	-	-
	2" Sch. 80 PVC	2.369 - 2.381	0.218 - 0.244	-	-

*Type "K" soft copper tubing per ASTM B88; CTS polyethylene (PE) per ASTM D-2737 - SDR-9; IPS polyethylene (PE) per ASTM D-2239 - PE SDR-7; IPS polyvinylchloride (PVC) per ASTM D1785



Liner

Liners used with Mueller PVC Pack Joint Connection for OD Controlled PE Pipe

Nominal size of connection	Material	Tubing or pipe O.D. range - inches	Tubing or pipe I.D. range - inches	Length - inches	Liner part number
3/4" IPS	IPS PE OD controlled DR-9	1.046 - 1.054	0.772 - 0.820	2.00	313073
	IPS PE OD controlled DR-11	1.046 - 1.054	0.816 - 0.864	2.00	313074
1" IPS	IPS PE OD controlled DR-9	1.310 - 1.320	0.978 - 1.028	2.125	313084
	IPS PE OD controlled DR-11	1.310 - 1.320	1.030 - 1.080	1.84	505142
1-1/2" IPS	IPS PE OD controlled DR-9	1.894 - 1.906	1.412 - 1.484	3.00	538266
	IPS PE OD controlled DR-11	2.369 - 2.381	2.082 - 2.047	3.20	538267
2" IPS	IPS PE OD controlled DR-9	1.894 - 1.906	1.496 - 1.560	3.00	538269
	IPS PE OD controlled DR-11	2.369 - 2.381	1.885 - 1.949	3.20	538270

Mueller Pack Joint Connection Kit

Size	Connection Kit
3/4" CTS	681921
1" CTS	681922
1-1/2" CTS	681923
2" CTS	681924
3/4" IPS PE	682377
1" IPS PE	682556
1-1/4" CTS	682556
1-1/2" IPS PE	682557
2" IPS PE	682558
3/4" IPS PVC	682377
1" IPS PVC	682553
1-1/2" IPS PVC	682554
2" IPS PVC	682555



Connection Kit
(includes Pack Joint, Gasket and washer)

Copper Gasket

Replacement gasket to be used inside Female Copper Service Thread when assembling Fitting onto a Corporation Valve/ Stop. Gasket is intended for single use only and must be replaced if Fitting is disassembled or reused.



CATALOG NUMBER: **H-15053**

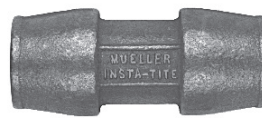
1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"
------	------	------	----	--------	--------	----



Straight union
Mueller INSTA-TITE
Connection for CTS O.D.* PE
tubing-both ends

H-15406N

3/4"	1"
------	----



Straight union
Mueller INSTA-TITE
Connection for IPS* PE
pipe- both ends

H-15408N

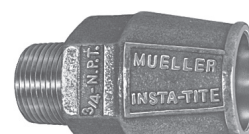
3/4"	1"
------	----



Straight coupling
Mueller INSTA-TITE
Connection for CTS O.D.*
PE tubing x M.I.P. thread

H-15424N

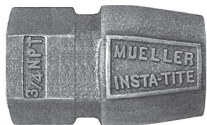
3/4"	1"
------	----



Straight coupling
Mueller INSTA-TITE
Connection for IPS* PE pipe
x M.I.P. thread

H-15426N

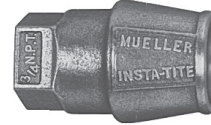
3/4"	3/4"x1"	1"
------	---------	----



Straight coupling
Mueller INSTA-TITE
Connection for CTS O.D.* PE
tubing x F.I.P. thread

H-15457N

3/4"	1"
------	----



Straight coupling
Mueller INSTA-TITE
Connection for IPS* PE pipe
x F.I.P. thread

H-15456N

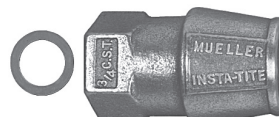
3/4"	3/4"x1"	1"
------	---------	----



Straight coupling
Mueller INSTA-TITE
Connection for CTS O.D.* PE
tubing x female copper flare
thread

H-15074N

3/4"	1"
------	----



Straight coupling
Mueller INSTA-TITE
Connection for IPS* PE pipe
x female copper flare thread

H-15073N

3/4"	3/4"x1"	1"
------	---------	----



Quarter bend coupling
Mueller INSTA-TITE
Connection for IPS* PE
pipe- both ends

H-15464N

3/4"	1"
------	----



Quarter bend union
Mueller INSTA-TITE
Connection for CTS O.D.*
PE tubing x F.I.P.

H-15468N

3/4"	1"
------	----

* See chart on page 6.17 for tubing and pipe that can be used with these connections.

NOTE: Sizes shown above represent nominal size of fitting. When two sizes are given, first is size of threaded end and second is size of MUELLER INSTA-TITE Connection.