

Recommended Sizing Chart Hose and Hose Assemblies

HOSE**			
HOSE ID		NOZZLE	ULTRA CLEAN PROJECTILE
NOM. IN.	DN MM		
3/16"	5	UC-H03	UC06
1/4"	6	UC-H06	UC10 or UC12
5/16"	8	UC-H08	UC12 or UC14
3/8"	10	UC-H10	UC14 or UC16
1/2"	13	UC-H13	UC18 or UC20
5/8"	16	UC-H16	UC22
3/4"	19	UC-H19	UC26
1"	25	UC-H25	UC33 or UC36
1 1/4"	32	UC-H32	UC40 or UC45
1 1/2"	38	UC-H38	UC50 or UC55
2"	50	UC-H50	UC60 or UC65
2 1/2"	63	UC-U55/90	UC75
3"	76	UC-U55/90	UC85
3 1/2"	89	UC-U55/90	UC100
4"	102	UC-4.5LN	UC120
4 1/2"	114	UC-4.5LN	UC130

ASSY W/FFORX		
FFORX SIZE	NOZZLE	ULTRA CLEAN PROJECTILE
DASH		
-4	UC-4FFORX	UC06 or UC07
-6	UC-H06	UC12
-8	UC-H10	UC16
-10	UC-H13	UC22
-12	UC-H16	UC26
-16	UC-H19	UC33
-20	UC-H25	UC40

ASSY W/CODE 61 & 62 FLANGES		
FLANGE SIZE	NOZZLE	ULTRA CLEAN PROJECTILE
DASH		
-8	UC-H10	UC16
-10	UC-H13	UC22
-12	UC-H16	UC26
-16	UC-H19	UC33
-20	UC-H25	UC40
-24	UC-H32	UC50
-32	UC-H38	UC60

ASSY W/FJIC		
FJIC SIZE	NOZZLE	ULTRA CLEAN PROJECTILE
DASH		
-4	UC-J06	UC06 or UC07
-6	UC-J10	UC12
-8	UC-J13/T13	UC16
-10	UC-J16/T16	UC22
-12	UC-J19/T19	UC26
-16	UC-J25/T22	UC33
-20	UC-J32/T25	UC40
-24	UC-J38/T38	UC50
-32	UC-J50/T50	UC60

**Use larger recommended Ultra Clean Projectiles when cutting hose with an abrasive wheel. The above sizes are recommendations. Due to different manufacturers, types of fittings, and the amount of contamination in the line, the size projectile may need to be adjusted.

Tube Sizing Chart - Nominal Inch

OD X WALL	NOZZLE	ULTRA CLEAN PROJECTILE	ABRASIVE PROJECTILE	TUBE PROJECTILE
1/8" X .030"	UC-T03	UC04	--	--
1/4" X .028"	UC-T06	UC08	UC-A07	UC07-TE
1/4" X .035"	UC-T06	UC08	UC-A07	UC07-TE
1/4" X .049"	UC-T06	UC08	UC-A07	UC06-TE
1/4" X .065"	UC-T06	UC07	--	UC06-TE
5/16" X .028"	UC-T08	UC12	UC-A10	UC10-TE
5/16" X .035"	UC-T08	UC12	UC-A10	UC07-TE
3/8" X .028"	UC-T10	UC14	UC-A12	UC10-TE
3/8" X .035"-.049"	UC-T10	UC14	UC-A12	UC10-TE
3/8" X .065"	UC-T10	UC12	UC-A10	UC10-TE
1/2" X .035"	UC-J13/T13	UC16	UC-A16	UC14-TE
1/2" X .049"	UC-J13/T13	UC16	UC-A16	UC12-TE
1/2" X .065"	UC-J13/T13	UC16	UC-A14	UC12-TE
1/2" X .083"	UC-J13/T13	UC14	UC-A12	UC12-TE
5/8" X .049"	UC-J16/T16	UC22	UC-A20	UC16-TE
5/8" X .065"	UC-J16/T16	UC20	UC-A18	UC16-TE
5/8" X .083"	UC-J16/T16	UC20	UC-A18	UC14-TE
3/4" X .049"-.065"	UC-J19/T19	UC26	UC-A24	UC20-TE
3/4" X .095"	UC-J19/T19	UC22	UC-A20	UC18-TE
7/8" X .049"	UC-J25/T22	UC33	UC-A30	UC26-TE
7/8" X .065"	UC-J25/T22	UC30	UC-A28	UC22-TE
7/8" X .095"	UC-H16	UC28	UC-A26	UC22-TE
1" X .065"	UC-J32/T25	UC33	UC-A30	UC28-TE
1" X .083"-.095"	UC-J32/T25	UC33	UC-A30	UC26-TE
1" X .120"	UC-J32/T25	UC30	UC-A28	UC26-TE
1 1/4" X .065"	UC-T32	UC40	UC-A40	UC33-TE
1 1/4" X .083"	UC-T32	UC40	UC-A36	UC33-TE
1 1/4" X .095"	UC-T32	UC40	UC-A36	UC33-TE
1 1/4" X .109"	UC-T32	UC36	UC-A36	UC33-TE
1 1/4" X .120"	UC-T32	UC36	UC-A33	UC33-TE
1 1/2" X .065"-.120"	UC-J38/T38	UC50	UC-A45	UC40-TE
1 1/2" X .134"-.148"	UC-J38/T38	UC45	UC-A40	UC40-TE
2" X .065"-.120"	UC-J50/T50	UC60	UC-A55	UC50-TE
2" X .134"-.188"	UC-J50/T50	UC55	UC-A50	UC50-TE

Tubing must be deburred prior to firing projectiles. Depending on the type of contamination present in the tube, abrasive projectiles may be used to remove rust and scale. Always use an UC projectile after the use of an abrasive projectile. Tube projectiles should be used to remove mandrel lubricants, grease and oil. If the operator is unsure which type or size projectile to use, please call us for technical assistance.

Recommended Sizing Chart Metric Tubing

OD X WALL	NOZZLE	CLEAN PROJ.	PROJ.	
		UC	ABR.	TUBE
3 X .5	UC-T03	UC04	--	--
3 X .7	UC-T03	UC03	--	--
6 X 1.0	UC-6X1.5	UC07	UC-A06	UC06-TE
6 X 1.5	UC-6X1.5	UC07	UC-A06	--
8 X 1.0	UC-8X1.5	UC10	UC-A07	UC07-TE
8 X 1.5	UC-8X1.5	UC10	UC-A07	UC07-TE
10 X 1.0	UC-10X1.5	UC14	UC-A12	UC12-TE
10 X 1.5	UC-10X1.5	UC14	UC-A12	UC12-TE
12 X 1.0	UC-12X2.0	UC16	UC-A14	UC14-TE
12 X 1.5	UC-12X2.0	UC16	UC-A14	UC14-TE
12 X 2.0	UC-12X2.0	UC14	UC-A12	UC12-TE
14 X 1.0	UC-14X2.0	UC18	UC-A16	UC16-TE
14 X 1.5	UC-14X2.0	UC16	UC-A14	UC14-TE
14 X 2.0	UC-14X2.0	UC16	UC-A14	UC14-TE
15 X 1.0	UC-15X2.0	UC20	UC-A18	UC16-TE
15 X 1.5	UC-15X2.0	UC18	UC-A16	UC16-TE
15 X 2.0	UC-15X2.0	UC16	UC-A14	UC14-TE
16 X 1.0	UC-16X2.5	UC22	UC-A20	UC18-TE
16 X 1.5	UC-16X2.5	UC20	UC-A18	UC16-TE
16 X 2.0	UC-16X2.5	UC18	UC-A16	UC16-TE
16 X 2.5	UC-16X2.5	UC16	UC-A14	UC14-TE
18 X 1.0	UC-18X2.5	UC24	UC-A22	UC20-TE
18 X 1.5	UC-18X2.5	UC24	UC-A20	UC18-TE
18 X 2.0	UC-18X2.5	UC22	UC-A20	UC18-TE
18 X 2.5	UC-18X2.5	UC20	UC-A18	UC16-TE
20 X 1.5	UC-20X3.0	UC26	UC-A24	UC22-TE
20 X 2.0	UC-20X3.0	UC24	UC-A22	UC20-TE

OD X WALL	NOZZLE	CLEAN PROJ.	PROJ.	
		UC	ABR.	TUBE
20 X 2.5	UC-20X3.0	UC24	UC-A20	UC18-TE
20 X 3.0	UC-20X3.0	UC22	UC-A20	UC18-TE
22 X 1.0	UC-22X2.0	UC30	UC-A28	UC26-TE
22 X 1.5	UC-22X2.0	UC30	UC-A28	UC26-TE
22 X 2.0	UC-22X2.0	UC30	UC-A28	UC26-TE
25 X 2.0	UC-25X3.0	UC33	UC-A30	UC28-TE
25 X 2.5	UC-25X3.0	UC30	UC-A28	UC26-TE
25 X 3.0	UC-25X3.0	UC30	UC-A28	UC26-TE
28 X 2.0	UC-28X2.5	UC36	UC-A33	UC33-TE
28 X 2.5	UC-28X2.5	UC36	UC-A33	UC30-TE
30 X 2.0	UC-30X4.0	UC36	UC-A33	UC33-TE
30 X 2.5	UC-30X4.0	UC36	UC-A33	UC30-TE
30 X 3.0	UC-30X4.0	UC36	UC-A33	UC30-TE
30 X 4.0	UC-30X4.0	UC36	UC-A33	UC30-TE
35 X 2.0	UC-35X3.0	UC45	UC-A40	UC40-TE
35 X 3.0	UC-35X3.0	UC40	UC-A36	UC36-TE
35 X 4.0	UC-H25	UC40	UC-A36	UC33-TE
35 X 5.0	UC-H25	UC36	UC-A33	UC30-TE
38 X 2.5	UC-38X5.0	UC50	UC-A45	UC40-TE
38 X 3.0	UC-38X5.0	UC50	UC-A45	UC40-TE
38 X 4.0	UC-38X5.0	UC45	UC-A40	UC40-TE
38 X 5.0	UC-38X5.0	UC40	UC-A36	UC36-TE
42 X 2.0	UC-42X3.0	UC55	UC-A50	UC50-TE
42 X 3.0	UC-42X3.0	UC50	UC-A50	UC45-TE
50 X 3.0	UC-50X6.0	UC60	UC-A55	UC55-TE
50 X 5.0	UC-50X6.0	UC55	UC-A55	UC50-TE
50 X 6.0	UC-50X6.0	UC55	UC-A50	UC50-TE

Tubing must be deburred prior to firing projectiles. Depending on the type of contamination present in the tube, abrasive projectiles may be used to remove rust and scale. Always use an UC projectile after the use of an abrasive projectile. If the operator is unsure which type or size projectile to use, please call us for technical assistance.

Pipe Sizing Chart

SCH 40	NOZZLE	ULTRA CLEAN PROJECTILE	ABRASIVE PROJECTILE	ULTRA SCRUB PROJECTILE
¼"	UC-H08	UC14	UC-A12	UC-SCR12
⅜"	UC-H13	UC18	UC-A16	UC-SCR16
½"	UC-H16	UC20	UC-A18	UC-SCR18
¾"	UC-H19	UC30	UC-A26	UC-SCR26
1"	UC-H25	UC36	UC-A33	UC-SCR33
1¼"	UC-H32	UC45	UC-A40	UC-SCR40
1½"	UC-H38	UC55	UC-A50	UC-SCR50
2"	UC-H50	UC65	UC-A55 or UC-A60	UC-SCR55 or UC-SCR60
2½"	UC-U55/90	UC75	UC-A70	N/A
3"	UC-U55/90	UC85	UC-A80	N/A
3½"	UC-U55/90	UC100	UC-A95	N/A
4"	UC-4.5LN	UC120	UC-A110	N/A
SCH 80	NOZZLE	ULTRA CLEAN PROJECTILE	ABRASIVE PROJECTILE	ULTRA SCRUB PROJECTILE
¼"	UC-H06	UC12	UC-A10	UC-SCR10
⅜"	UC-H10	UC16	UC-A14	UC-SCR14
½"	UC-H13	UC20	UC-A16 or UC-A18	UC-SCR16 or UC-SCR18
¾"	UC-H19	UC26	UC-A22	UC-SCR22
1"	UC-H25	UC36	UC-A30	UC-SCR30
1¼"	UC-H32	UC45	UC-A40	UC-SCR40
1½"	UC-H38	UC50	UC-A45	UC-SCR45
2"	UC-H38	UC60	UC-A55	UC-SCR55
2½"	UC-H50	UC70	UC-A65	N/A
3"	UC-U55/90	UC85	UC-A80	N/A
3½"	UC-U55/90	UC110	UC-A110	N/A
4"	UC-4.5LN	UC115	UC-A110	N/A
SCH 160	NOZZLE	ULTRA CLEAN PROJECTILE	ABRASIVE PROJECTILE	ULTRA SCRUB PROJECTILE
½"	UC-H10	UC16	UC-A14	UC-SCR14
¾"	UC-H16	UC20	UC-A18	UC-SCR18
1"	UC-H19	UC30	UC-A26	UC-SCR26
1¼"	UC-H25	UC36	UC-A33	UC-SCR33
1½"	UC-H32	UC45	UC-A40	UC-SCR40
2"	UC-H38	UC55	UC-A45 or UC-A50	UC-SCR45 or UC-SCR50
2½"	UC-H50	UC65	UC-A60	UC-SCR55 or UC-SCR60
3"	UC-U55/90	UC75	UC-A70	Upon Request
4"	UC-U55/90	UC100	UC-A100	Upon Request

Abrasive projectiles may be used when there is a build-up of contamination, surface rust or scale. For pipe applications where there is a greater build-up of contamination, surface rust or scale, use an Ultra Scrub projectile. Pipe must be straight for this projectile. NOTE: To ensure cleanliness, an UC projectile must be used after abrasive and Ultra Scrub projectiles. Please call if you need help in sizing your application for the correct nozzles and projectiles.