

Recommended Sizing Chart

Hose**			
Hose ID		Nozzle	UC Projectile
Nom. In.	DN MM		
3/16"	5	UC-AH05-BLUE	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

**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.

ASSY w/FJIC		
FJIC Size	Nozzle	UC 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

ASSY w/FFORX		
FFORX Size	Nozzle	UC 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	UC 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

*Tube Sizing Chart - Nominal Inch

OD X Wall	Nozzle	Projectile Type			
		UC	Tube	Abrasive	Scrub
1/8" X .030"	UC-T03	UC04	--	--	--
1/4" X .028"	UC-T06	UC08	UC07-TE	UC-A07	UC-SCR07
1/4" X .035"	UC-T06	UC08	UC07-TE	UC-A07	UC-SCR07
1/4" X .049"	UC-T06	UC08	UC06-TE	UC-A07	UC-SCR06
1/4" X .065"	UC-T06	UC07	UC06-TE	--	UC-SCR06
5/16" X .028"	UC-T08	UC12	UC10-TE	UC-A10	UC-SCR10
5/16" X .035"	UC-T08	UC12	UC07-TE	UC-A10	UC-SCR07
3/8" X .028"	UC-T10	UC14	UC10-TE	UC-A12	UC-SCR10
3/8" X .035"-.049"	UC-T10	UC14	UC10-TE	UC-A12	UC-SCR10
3/8" X .065"	UC-T10	UC12	UC10-TE	UC-A10	UC-SCR10
1/2" X .035"	UC-J13/T13	UC16	UC14-TE	UC-A16	UC-SCR14
1/2" X .049"	UC-J13/T13	UC16	UC12-TE	UC-A16	UC-SCR12
1/2" X .065"	UC-J13/T13	UC16	UC12-TE	UC-A14	UC-SCR12
1/2" X .083"	UC-J13/T13	UC14	UC12-TE	UC-A12	UC-SCR12
5/8" X .049"	UC-J16/T16	UC22	UC16-TE	UC-A20	UC-SCR16
5/8" X .065"	UC-J16/T16	UC20	UC16-TE	UC-A18	UC-SCR16
5/8" X .083"	UC-J16/T16	UC20	UC14-TE	UC-A18	UC-SCR14
3/4" X .049-.065"	UC-J19/T19	UC26	UC20-TE	UC-A24	UC-SCR20
3/4" X .095"	UC-J19/T19	UC22	UC18-TE	UC-A20	UC-SCR18
7/8" X .049"	UC-J25/T22	UC33	UC26-TE	UC-A30	UC-SCR26
7/8" X .065"	UC-J25/T22	UC30	UC22-TE	UC-A28	UC-SCR22
7/8" X .095"	UC-H16	UC28	UC22-TE	UC-A26	UC-SCR22
1" X .065"	UC-J32/T25	UC33	UC28-TE	UC-A30	UC-SCR28
1" X .083"-.095"	UC-J32/T25	UC33	UC26-TE	UC-A30	UC-SCR26
1" X .120"	UC-J32/T25	UC30	UC26-TE	UC-A28	UC-SCR26
1 1/4" X .065"	UC-T32	UC40	UC33-TE	UC-A40	UC-SCR33
1 1/4" X .083"	UC-T32	UC40	UC33-TE	UC-A36	UC-SCR33
1 1/4" X .095"	UC-T32	UC40	UC33-TE	UC-A36	UC-SCR33
1 1/4" X .109"	UC-T32	UC36	UC33-TE	UC-A36	UC-SCR33
1 1/4" X .120"	UC-T32	UC36	UC33-TE	UC-A33	UC-SCR33
1 1/2" X .065"-.120"	UC-J38/T38	UC50	UC40-TE	UC-A45	UC-SCR40
1 1/2" X .134"-.148"	UC-J38/T38	UC45	UC40-TE	UC-A40	UC-SCR40
2" X .065"-.120"	UC-J50/T50	UC60	UC50-TE	UC-A55	UC-SCR50
2" X .134"-.188"	UC-J50/T50	UC55	UC50-TE	UC-A50	UC-SCR50

*Tube Sizing Chart - Metric

OD X Wall	Nozzle	Projectile Type			
		UC	Tube	Abrasive	Scrub
3 X .5	UC-T03	UC04	--	--	--
3 X .7	UC-T03	UC03	--	--	--
6 X 1.0	UC-6X1.5	UC07	UC06-TE	UC-A06	UC-SCR06
6 X 1.5	UC-6X1.5	UC07	--	UC-A06	--
8 X 1.0	UC-8X1.5	UC10	UC07-TE	UC-A07	UC-SCR07
8 X 1.5	UC-8X1.5	UC10	UC07-TE	UC-A07	UC-SCR07
10 X 1.0	UC-10X1.5	UC14	UC12-TE	UC-A12	UC-SCR12
10 X 1.5	UC-10X1.5	UC14	UC12-TE	UC-A12	UC-SCR12
12 X 1.0	UC-12X2.0	UC16	UC14-TE	UC-A14	UC-SCR14
12 X 1.5	UC-12X2.0	UC16	UC14-TE	UC-A14	UC-SCR14
12 X 2.0	UC-12X2.0	UC14	UC12-TE	UC-A12	UC-SCR12
14 X 1.0	UC-14X2.0	UC18	UC16-TE	UC-A16	UC-SCR16
14 X 1.5	UC-14X2.0	UC16	UC14-TE	UC-A14	UC-SCR14
14 X 2.0	UC-14X2.0	UC16	UC14-TE	UC-A14	UC-SCR14
15 X 1.0	UC-15X2.0	UC20	UC16-TE	UC-A18	UC-SCR16
15 X 1.5	UC-15X2.0	UC18	UC16-TE	UC-A16	UC-SCR16
15 X 2.0	UC-15X2.0	UC16	UC14-TE	UC-A14	UC-SCR14
16 X 1.0	UC-16X2.5	UC22	UC18-TE	UC-A20	UC-SCR18
16 X 1.5	UC-16X2.5	UC20	UC16-TE	UC-A18	UC-SCR16
16 X 2.0	UC-16X2.5	UC18	UC16-TE	UC-A16	UC-SCR16
16 X 2.5	UC-16X2.5	UC16	UC14-TE	UC-A14	UC-SCR14
18 X 1.0	UC-18X2.5	UC24	UC20-TE	UC-A22	UC-SCR20
18 X 1.5	UC-18X2.5	UC24	UC18-TE	UC-A20	UC-SCR18
18 X 2.0	UC-18X2.5	UC22	UC18-TE	UC-A20	UC-SCR18
18 X 2.5	UC-18X2.5	UC20	UC16-TE	UC-A18	UC-SCR16
20 X 1.5	UC-20X3.0	UC26	UC22-TE	UC-A24	UC-SCR22
20 X 2.0	UC-20X3.0	UC24	UC20-TE	UC-A22	UC-SCR20

*Tube Sizing Chart - Metric

OD X WALL	NOZZLE	PROJECTILE TYPE			
		UC	TUBE	ABRASIVE	SCRUB
20 X 2.5	UC-20X3.0	UC24	UC18-TE	UC-A20	UC-SCR18
20 X 3.0	UC-20X3.0	UC22	UC18-TE	UC-A20	UC-SCR18
22 X 1.0	UC-22X2.0	UC30	UC26-TE	UC-A28	UC-SCR26
22 X 1.5	UC-22X2.0	UC30	UC26-TE	UC-A28	UC-SCR26
22 X 2.0	UC-22X2.0	UC30	UC26-TE	UC-A28	UC-SCR26
25 X 2.0	UC-25X3.0	UC33	UC28-TE	UC-A30	UC-SCR28
25 X 2.5	UC-25X3.0	UC30	UC26-TE	UC-A28	UC-SCR26
25 X 3.0	UC-25X3.0	UC30	UC26-TE	UC-A28	UC-SCR26
28 X 2.0	UC-28X2.5	UC36	UC33-TE	UC-A33	UC-SCR33
28 X 2.5	UC-28X2.5	UC36	UC30-TE	UC-A33	UC-SCR30
30 X 2.0	UC-30X4.0	UC36	UC33-TE	UC-A33	UC-SCR33
30 X 2.5	UC-30X4.0	UC36	UC30-TE	UC-A33	UC-SCR30
30 X 3.0	UC-30X4.0	UC36	UC30-TE	UC-A33	UC-SCR30
30 X 4.0	UC-30X4.0	UC36	UC30-TE	UC-A33	UC-SCR30
35 X 2.0	UC-35X3.0	UC45	UC40-TE	UC-A40	UC-SCR40
35 X 3.0	UC-35X3.0	UC40	UC36-TE	UC-A36	UC-SCR36
35 X 4.0	UC-H25	UC40	UC33-TE	UC-A36	UC-SCR33
35 X 5.0	UC-H25	UC36	UC30-TE	UC-A33	UC-SCR30
38 X 2.5	UC-38X5.0	UC50	UC40-TE	UC-A45	UC-SCR40
38 X 3.0	UC-38X5.0	UC50	UC40-TE	UC-A45	UC-SCR40
38 X 4.0	UC-38X5.0	UC45	UC40-TE	UC-A40	UC-SCR40
38 X 5.0	UC-38X5.0	UC40	UC36-TE	UC-A36	UC-SCR36
42 X 2.0	UC-42X3.0	UC55	UC50-TE	UC-A50	UC-SCR50
42 X 3.0	UC-42X3.0	UC50	UC45-TE	UC-A50	UC-SCR45
50 X 3.0	UC-50X6.0	UC60	UC55-TE	UC-A55	UC-SCR55
50 X 5.0	UC-50X6.0	UC55	UC50-TE	UC-A55	UC-SCR50
50 X 6.0	UC-50X6.0	UC55	UC50-TE	UC-A50	UC-SCR50

*Requirements for Tubing Applications:

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 or TUBE projectile after the use of an abrasive projectile. The TUBE style is strongly recommended for stainless steel for mild to medium amounts of contamination, surface rust, or scale build-up. If the operator is unsure which type or size projectile to use, please call us for technical assistance.

Pipe Sizing Chart

SCH 40	Nozzle	Projectile Type			
		UC	Tube	Abrasive	Scrub
¼"	UC-H08	UC14	UC12-TE	UC-A12	UC-SCR12
⅜"	UC-H13	UC18	UC16-TE	UC-A16	UC-SCR16
½"	UC-H16	UC20	UC18-TE	UC-A18	UC-SCR18
¾"	UC-H19	UC30	UC26-TE	UC-A26	UC-SCR26
1"	UC-H25	UC36	UC33-TE	UC-A33	UC-SCR33
1¼"	UC-H32	UC45	UC40-TE	UC-A40	UC-SCR40
1½"	UC-H38	UC55	UC50-TE	UC-A50	UC-SCR50
2"	UC-H50	UC65	UC55-TE or UC60-TE	UC-A55 or UC-A60	UC-SCR55 or UC-SCR60
2½"	UC-U55/90	UC75	N/A	UC-A70	N/A
3"	UC-U55/90	UC85	N/A	UC-A80	N/A
3½"	UC-U55/90	UC100	N/A	UC-A95	N/A
4"	UC-4.5LN	UC120	N/A	UC-A110	N/A
SCH 80	Nozzle	Projectile Type			
		UC	Tube	Abrasive	Scrub
⅜"	UC-H10	UC16	UC14-TE	UC-A14	UC-SCR14
½"	UC-H13	UC20	UC16-TE or UC18-TE	UC-A16 or UC-A18	UC-SCR16 or UC-SCR18
¾"	UC-H19	UC26	UC22-TE	UC-A22	UC-SCR22
1"	UC-H25	UC36	UC30-TE	UC-A30	UC-SCR30
1¼"	UC-H32	UC45	UC40-TE	UC-A40	UC-SCR40
1½"	UC-H38	UC50	UC45-TE	UC-A45	UC-SCR45
2"	UC-H38	UC60	UC55-TE	UC-A55	UC-SCR55
2½"	UC-H50	UC70	N/A	UC-A65	N/A
3"	UC-U55/90	UC85	N/A	UC-A80	N/A
3½"	UC-U55/90	UC110	N/A	UC-A110	N/A
4"	UC-4.5LN	UC115	N/A	UC-A110	N/A
SCH 160	Nozzle	Projectile Type			
		UC	Tube	Abrasive	Scrub
¾"	UC-H16	UC20	UC18-TE	UC-A18	UC-SCR18
1"	UC-H19	UC30	UC26-TE	UC-A26	UC-SCR26
1¼"	UC-H25	UC36	UC33-TE	UC-A33	UC-SCR33
1½"	UC-H32	UC45	UC40-TE	UC-A40	UC-SCR40
2"	UC-H38	UC55	UC45-TE or UC50-TE	UC-A45 or UC-A50	UC-SCR45 or UC-SCR50
2½"	UC-H50	UC65	UC55-TE or UC60-TE	UC-A60	UC-SCR55 or UC-SCR60
3"	UC-U55/90	UC75	N/A	UC-A70	N/A
4"	UC-U55/90	UC100	N/A	UC-A100	N/A

Abrasive projectiles may be used when there is build-up of contamination, surface rust or scale. For pipe applications with greater build-up, use an Ultra Scrub projectile (pipe must be straight). An UC projectile must be used after abrasive and scrub projectiles. Call if you need help in sizing your application for the correct nozzles and projectiles.