

Hose & Assembly Sizing Charts

HOSE		
HOSE SIZE	NOZZLE	ULTRA CLEAN PROJECTILE
3/16"	UC-H06	UC06
1/4"	UC-H06	UC10 or UC12
5/16"	UC-H08	UC12 or UC14
3/8"	UC-H10	UC14 or UC16
1/2"	UC-H13	UC18 or UC20
5/8"	UC-H16	UC22
3/4"	UC-H19	UC26
1"	UC-H25	UC33 or UC36
1-1/4"	UC-H32	UC40 or UC45
1-1/2"	UC-H38	UC50 or UC55
2"	UC-H50	UC60 or UC65
2-1/2"	UC-U55/90	UC75
3"	UC-U55/90	UC85
3-1/2'	UC-U55/90	UC100
4"	UC-4.5LN	UC120
4-1/2"	UC-4.5LN	UC130

Use larger recommended Ultra Clean Projectile when cutting hose with an abrasive wheel.

HOSE ASSY W/CODE 61 & 62 FLANGES		
FLANGE SIZE	NOZZLE	ULTRA CLEAN PROJECTILE
1/2"	UC-H10	UC16
3/4"	UC-H16	UC26
1"	UC-H19	UC33
1-1/4"	UC-H25	UC40
1-1/2"	UC-H32	UC50
2"	UC-H38	UC60

HOSE ASSY W/FFORX FITTING		
FFORX SIZE	NOZZLE	ULTRA CLEAN PROJECTILE
1/4"	UC-4FFORX	UC06 or UC07
3/8"	UC-H06	UC12
1/2"	UC-H10	UC16
5/8"	UC-H13	UC22
3/4"	UC-H16	UC26
1"	UC-H19	UC33
1-1/4"	UC-H25	UC40

HOSE ASSY W/FJIC FITTING		
FJIC SIZE	NOZZLE	ULTRA CLEAN PROJECTILE
1/4"	UC-J06	UC06 or UC07
3/8"	UC-J10	UC12
1/2"	UC-J13/T13	UC16
5/8"	UC-J16/T16	UC22
3/4"	UC-J19/T19	UC26
1"	UC-J25/T22	UC33
1-1/4"	UC-J32/T25	UC40
1-1/2"	UC-J38/T38	UC50
2"	UC-J50/T50	UC60

The above sizes are recommendations. Due to different manufacturers, types of fittings, and the amount of contamination in the line, the projectile size may need to be adjusted.

Tube Sizing Chart - Nominal Inch

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

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 Ultra Clean 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.

Metric Tube Sizing Chart

OD X WALL	NOZZLE	ULTRA CLEAN PROJ.	ABRASIVE PROJ.	OD X WALL	NOZZLE	ULTRA CLEAN PROJ.	ABRASIVE PROJ.
3 X .5	UC-T03	UC04		20 X 1.5	UC-H16	UC28	UC-A26
3 X .7	UC-T03	UC03		20 X 2.0	UC-H16	UC26	UC-A24
6 X 1.0	UC-T06	UC08	UC-A07	20 X 2.5	UC-H13	UC24	UC-A22
6 X 1.5	UC-T06	UC07	UC-A06	20 X 3.0	UC-H13	UC22	UC-A20
8 X 1.0	UC-T08	UC10	UC-A08	22 X 1.0	UC-J25/T22	UC30	UC-A28
8 X 1.5	UC-T08	UC08	UC-A07	22 X 1.5	UC-J25/T22	UC28	UC-A26
10 X 1.0	UC-H06	UC14	UC-A12	22 X 2.0	UC-J25/T22	UC28	UC-A26
10 X 1.5	UC-H06	UC12	UC-A10	25 X 2.0	UC-J32/T25	UC33	UC-A30
12 X 1.0	UC-J13/T13	UC16	UC-A14	25 X 2.5	UC-J32/T25	UC30	UC-A28
12 X 1.5	UC-J13/T13	UC14	UC-A14	25 X 3.0	UC-H19	UC28	UC-A26
12 X 2.0	UC-H06	UC12	UC-A12	30 X 2.0	UC-H25	UC36	UC-A33
14 X 1.0	UC-H10	UC18	UC-A16	30 X 2.5	UC-H25	UC36	UC-A33
14 X 1.5	UC-H10	UC16	UC-A16	30 X 3.0	UC-H25	UC33	UC-A30
14 X 2.0	UC-H10	UC16	UC-A14	30 X 4.0	UC-H19	UC33	UC-A30
15 X 1.0	UC-H13	UC20	UC-A18	35 X 2.0	UC-H32	UC45	UC-A40
15 X 1.5	UC-H10	UC18	UC-A16	35 X 3.0	UC-H25	UC40	UC-A40
15 X 2.0	UC-H10	UC16	UC-A16	35 X 4.0	UC-H25	UC36	UC-A36
16 X 1.0	UC-J16/T16	UC22	UC-A20	35 X 5.0	UC-H25	UC36	UC-A33
16 X 1.5	UC-J16/T16	UC20	UC-A18	38 X 2.5	UC-J38/T38	UC50	UC-A45
16 X 2.0	UC-J16/T16	UC18	UC-A16	38 X 3.0	UC-J38/T38	UC50	UC-A45
16 X 2.5	UC-J16/T16	UC16	UC-A16	38 X 4.0	UC-J38/T38	UC45	UC-A40
18 X 1.0	UC-J19/T19	UC26	UC-A24	38 X 5.0	UC-H25	UC40	UC-A40
18 X 1.5	UC-J19/T19	UC24	UC-A22	50 X 5.0	UC-J50/T50	UC55	UC-A50
18 X 2.0	UC-J19/T19	UC22	UC-A20				
18 X 2.5	UC-J19/T19	UC20	UC-A18				

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 Ultra Clean 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 PROJ.	ABRASIVE PROJ.	GRINDING PROJ.
1/4"	UC-H08	UC14	UC-A12	UC-GR10
3/8"	UC-H13	UC18	UC-A16	UC-GR14 or UC-GR16
1/2"	UC-H16	UC20	UC-A18	UC-GR16 or UC-GR18
3/4"	UC-H19	UC30	UC-A26	UC-GR22 or UC-GR26
1"	UC-H25	UC36	UC-A33	UC-GR26 or UC-GR33
1-1/4"	UC-H32	UC45	UC-A40	UC-GR40
1-1/2"	UC-H38	UC55	UC-A50	UC-GR50
2"	UC-H50	UC65	UC-A55 or UC-A60	UC-GR55
2-1/2"	UC-U55/90	UC75	UC-A70	UC-GR65
3"	UC-U55/90	UC85	UC-A80	UC-GR80
3-1/2"	UC-U55/90	UC100	UC-A110	
4"	UC-4.5LN	UC120	UC-A115	
SCH 80	NOZZLE	ULTRA CLEAN PROJ.	ABRASIVE PROJ.	GRINDING PROJ.
1/4"	UC-H06	UC12	UC-A10	UC-GR07
3/8"	UC-H10	UC16	UC-A14	UC-GR10 or UC-GR12
1/2"	UC-H13	UC20	UC-A16 or UC-A18	UC-GR16
3/4"	UC-H19	UC26	UC-A22	UC-GR20
1"	UC-H25	UC36	UC-A30	UC-GR26
1-1/4"	UC-H32	UC45	UC-A40	UC-GR33
1-1/2"	UC-H38	UC50	UC-A45	UC-GR40
2"	UC-H38	UC60	UC-A55	UC-GR50
2-1/2"	UC-H50	UC70	UC-A65	UC-GR60
3"	UC-U55/90	UC85	UC-A80	UC-GR75
3-1/2"	UC-U55/90	UC110	UC-A110	
4"	UC-4.5LN	UC115	UC-A110	
SCH 160	NOZZLE	ULTRA CLEAN PROJ.	ABRASIVE PROJ.	GRINDING PROJ.
1/2"	UC-H10	UC16	UC-A14	UC-GR12
3/4"	UC-H16	UC20	UC-A18	UC-GR16 or UC-GR18
1"	UC-H19	UC30	UC-A26	UC-GR22
1-1/4"	UC-H25	UC36	UC-A33	UC-GR30
1-1/2"	UC-H32	UC45	UC-A40	UC-GR33 or UC-GR40
2"	UC-H38	UC55	UC-A45 or UC-A50	UC-GR40 or UC-GR45
2-1/2"	UC-H50	UC65	UC-A60	UC-GR55 or UC-GR60
3"	UC-U55/90	UC75	UC-A70	GR70
4"	UC-U55/90	UC100	UC-A100	

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 a grinding projectile. Pipe must be straight for this projectile. NOTE: To ensure cleanliness, an Ultra Clean projectile must be used after abrasive and grinding projectiles. Please call if you need help in sizing your application for the correct nozzles and projectiles.