

Nozzles & Adapter Rings

A range of nozzles are available, allowing the Ultra Clean System to be used on different sizes and types of hose, tube and pipe, as well as coupling configurations. Special nozzles can be made to suit specific applications. Aluminum, hard coat anodized nozzles are available in hose style from -4 (1/4") through -32 (2").

Hose Nozzles

The hose nozzle is inserted into the ID of the hose. Hose nozzles also work on pipe, heavy walled tubing and many coupling configurations. It is our most popular nozzle. Hose nozzles have the "UC-H" designation and are blue in color for easy identification.



Tube Nozzles (Nominal Inch)

Nominal inch tube nozzles have a stop on the inside that forms an airtight seal when the tube is fully inserted into the nozzle. Nominal inch tube nozzles are white in color and designated with a "UC-T" in the part number. Some "UC-T" nozzles may also be designated for JIC use as reflected in the part number.



Fitting Nozzles

FFORX: Special nozzle designed to accommodate -4 Flat Face O-Ring Style Fittings. These fittings may be referred to as Face Seal, Seal Lok or FFORX.

The white JIC nozzles are molded with a special 37° male flare at the tip to fit the female JIC fittings on hose and tube assemblies. JIC nozzles are marked with the "UC-J" designation, followed by appropriate size.



Tube Nozzles (Metric)

Metric tube nozzles have a stop on the inside that forms an airtight seal when the tube is fully inserted into the nozzle. Metric tube nozzles are designed to match metric tubing, and are similarly based on outside diameter (OD) x wall thickness. Metric tube nozzle designations utilize the largest wall thickness for the given OD, but fit all smaller wall thicknesses as well. Metric tube nozzles are grey in color.



Universal Nozzle

UC-U55/90: The Universal Nozzle is similar to our hose style nozzle. It has a size range 2-1/8" (55mm) to 3-1/2" (90mm). The Universal Nozzle can be cut off in 10mm increments to suit your application.



Aluminum Locking Nozzle

UC-4.5LN: This nozzle is supplied with the UC-HL4.5 Launcher for 3.5" (90mm) to 4.5" (115mm) applications.



Adapter & Locking Rings

- UC-AR1 fits the UC-HL2 Launcher and all nozzle types from 1/8" through 1-1/4".
- UC-AR2 fits the UC-HL3.5 Launcher and all nozzle types from 1/8" through 1-1/4".
- UC-AR3 fits the UC-HL3.5 Launcher and all nozzle types from 1-1/2" through 2".
- UC-LR fits the UC-HL3.5 & UC-HL4.5 Launchers and the AR2, AR3 & UC-U55/90 nozzles.



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 .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.