Universal-jointed Solid Stream Jet







[Spray pattern]

[Spray distribution]

- Internal design keeps flow resistance to a minimum, generating a large flow volume.

• High impact force solid stream flow.

• Spray direction is adjustable over a range of 40 degrees as desired.

[STANDARD PRESSURE]

0.3 MPa

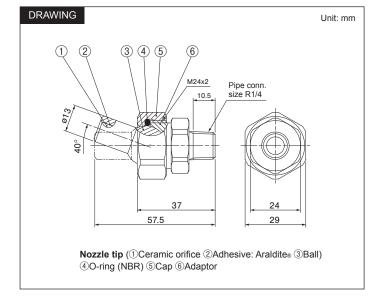
[APPLICATIONS]

Cleaning: High pressure cleaning, wire and felt parts of paper making machines, vehicles, returnable containers, machinery, parts

Trimming: Paper making

Structure	 Has a ceramic orifice (high-purity ceramic orifice for spray capacity codes 37–136) in the nozzle tip. Includes three parts: Nozzle tip, cap, and adaptor. Worn-out nozzle tips can be replaced separately. Nozzle tip has an integrated universal ball joint to adjust the spray direction.
Material	Nozzle orifice: ceramic Metal parts: S303
Weight	• 125 g

[Note] Appearance and dimensions may differ slightly depending on material and



Spray capacity code	Spray capacity (L/min)							Free passage	
	0.1 MPa	0.15 MPa	0.2 MPa	0.3 MPa	0.5 MPa	0.7 MPa	1 MPa	2 MPa	diameter (mm)
37	0.68	0.83	0.96	1.17	1.51	1.79	2.14	3.03	1.0
49	0.90	1.10	1.28	1.56	2.02	2.39	2.86	4.04	1.2
80	1.47	1.80	2.08	2.54	3.28	3.88	4.65	6.56	1.5
111	2.03	2.48	2.87	3.51	4.53	5.36	6.43	9.09	1.8
136	2.48	3.04	3.51	4.30	5.55	6.57	7.85	11.1	2.0
247	4.51	5.52	6.38	7.81	10.1	11.9	14.3	20.2	2.6
322	5.88	7.20	8.31	10.2	13.1	15.6	18.6	26.3	3.0
445	8.12	9.95	11.5	14.1	18.2	21.5	25.7	36.3	3.5

[Note] Precision guarantee for the UT+CP series is only for spray angle; the axis of spray direction to be within 3° from nozzle centerline.

HOW TO ORDER To inquire about or order a specific nozzle please refer to this coding system. Example: 1/4M UT+CP 37 AL99-S303 1/4M UT+CP 37 AL99-S303 Spray capacity Material code 37 S303 AL99-S303*2 445 Please contact us to order only the nozzle tip. *1) "M" indicates male thread ("R" of the ISO standard), e.g. 1/4M = R1/4. *2) When spray capacity code is 37–136, material code is described as "AL99-S303".

ALSO AVAILABLE! Universal-jointed Flat Spray Nozzles **UT+VP SERIES** See p.47 of this catalog.

Surface Washing Nozzles

Series	Picture	Features	Applications
Surface washing nozzles		 Produces solid stream spray from a hemispherical nozzle body in a radial pattern. High impact solid streams effectively stir the sand filter bed in water. 	Cleaning sand filter bed at water purification plant