

ATUL ENGINEERING WORKS

Atul Spray Nozzles



Full Cone Nozzles

Full Cone Nozzles has high precision & uniform liquid distribution circular area. This gives uniform liquid distribution throughout the entire circular impact area. The basic design of this nozzle is based on fundamental principle of axial swirling motion.

Atul Spraying nozzles also has another variety of full cone nozzles which is called Spiral Full Cone Nozzle. There is not any insert which gives clogging tree nozzle & spiral impact throughout the entire circular area.

Atul Axial Flow Full Cone Nozzles are available with many flow rate, sizes & spraying angles from 15° to 120° range.

Application : Chemical Process Engineering, Cooling of Gas, Cooling of Fluid Spray, Cleaning Process, Spraying on Surface, Gas Cooling Towers. Quenching & cooling of primary metal & other materials.



Hollow Cone Nozzles



Hollow Cone Nozzles have an uniform liquid distribution. This uniform hollow cone atomization is possible due to Flow Geometry. Inside insert ensures efficient rotation of the liquids. Achieve narrow droplet size. The basic design of this nozzle is based on fundamental principle of axial swirling motion.

Atul Axial Flow Hollow Cone Nozzles are available with many flow rate, sizes & Spray angles from 50° to 100° range.

Application :- Chemical Process Engineering, Cooling of gases, Cooling of air dust suppression, Cleaning Process, Desuperheating, Foam Control, Metal treating & Brine Spraying

Solid Jet Nozzles

Atul Solid Jet Nozzles produces Solid Stream Jet of defined length which has transparent & compact view. Nozzle achieves excellent jet performance without any inside insert. It produces powerful concentrated jet which gives better productivity at the plant.

Atul High Pressure Solid Jet Nozzles are stable & powerful jets which are not breaking it's edges at a very high pressures.

Atul Solid Jet nozzles are available with many Flow rate 8t sizes. Also application pressure ranges from 0.5 bar to 300 bar.

Application : High pressure Cleaning systems, Jet Cutting, Separating, Cleaning inside of Barrels & Tanks, For Heating up purposes.



Flat Jet Nozzles



Atul Flat Jet Nozzles ensures uniform, parabolic distribution of liquid. This flow geometry of nozzle produces compact and accurate jets with stable spray angle. These nozzles are suited for all universal application. These nozzles are not easily affected by pressure fluctuation. These nozzles are not prone to clogging.

Atul Flatjet nozzles has simple and cost saving fixing attachments such as Easy Dovetail Guides.

Atul Flat Jet Nozzles are available with many flow rate sizes, flatjet width, jet depth & also various spray angles to suit for various application.

Application :- Surface treatment, Roll Cooling, High impact washing, Degreasing and rinsing, Spray Coating, Lubricating, Cooling of Rolled Stock, Washing & Phosphating Process.

Compressed Air Nozzle

Moulded of Polypropylene and also available in Brass and Stainless Steel

Applications :

- Tank Mixing
- Blowing-Off
- Cleaning
- Drying
- Cooling
- Trasporting



Fine Atomization Spray Nozzles & Accessories

PRODUCTS :

Spillback Nozzles & Lances,
Fine Atomization Nozzles & Lances,
Super Sonic Atomizing Nozzles & Lances

Application : Cement Works, Refuse Incineration Plants, Steel Industry,
Chemical Plants, Lime Industry, Cooling Process upto 700°C.

Material : SS 316, SS 316 L, Cast Alloy, Titanium, SS 310.



Spray Nozzles Accessories

We can also provide type of accessories.

- Welding Nipples,
- Dovetail Nipples,
- Threaded Nipples,
- Metallic Gaskets,
- Stabilizers.

Fittings : Sockets, Nuts, Nipples, Adopters

Ball Joints : Threaded connections,
Weldable connections



Note :

1. Due to continuous improvement in design, parameters given above are subject to change without notice.
2. Special design, End Connection and Material on customer request.