

Classification Hydrocyclone **SUPERCLONE**

Murata's cyclone technology meets every industry need



Two liquid classification hydrocyclone

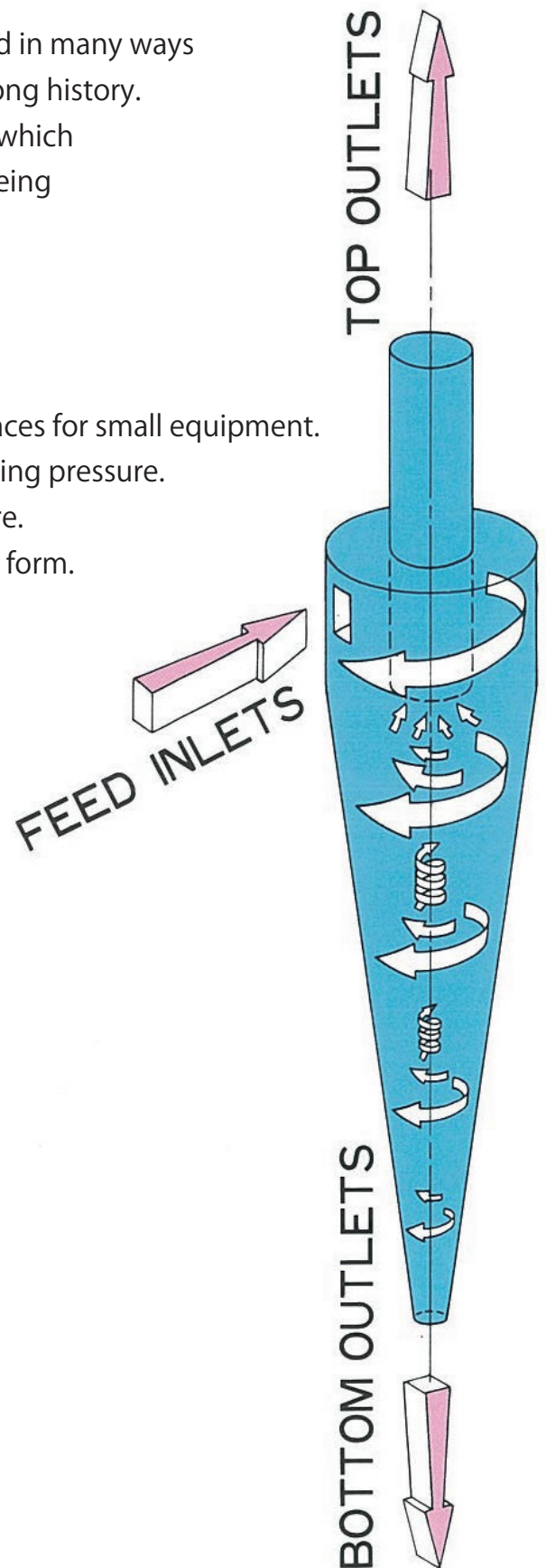
T/SC Series Super-Hydrocyclones

Two liquid classification hydrocyclone

The liquid classification hydrocyclone has been improved in many ways and has been used in various industries throughout its long history. Here we introduce a significantly evolved hydrocyclone which has been developed to the classification of powder by being improved in its dimensions and angles.

Features

1. High capacity and high yield rate in the top part.
2. High capacity and ability to be used in smaller spaces for small equipment.
3. Lower pump power is needed thanks to low working pressure.
4. Less wear of equipment with low working pressure.
5. Easy maintenance and less trouble with its simple form.
6. Can be used for a wide variety of particles.



T-30, T-50, T-80, T-350 and T-500 Super-Hydrocyclones



T-80NN

T-30, T-50, T-80, T-350 and T-500 Super-Hydrocyclones were invented for the purposes of the removal of foreign matter from pulp and paper and the purification of coolant of machine tools. Now they are also used for classification and waste water treatment. The surface of the equipment is made of MC nylon, which has a higher wear resistance than steel. The lower part of the nozzle has two varieties of material, urethane foam for the NN type and ceramic for the CN type. Flow rate has increased in the manifold and radial pipes.

Application inventory

- Purification of coolant of machine tools
- Dust removal from paper, waste paper and inorganic pulp slurry
- Classification of gypsum in flue gas desulfurization plant
- Classification of calcium carbonate
- Classification of silica and ceramic powder
- Classification of cesium contaminated soil
- Solid-liquid separation of slag waste water
- Removal of foreign matter from cane sugar water

Performance Specifications

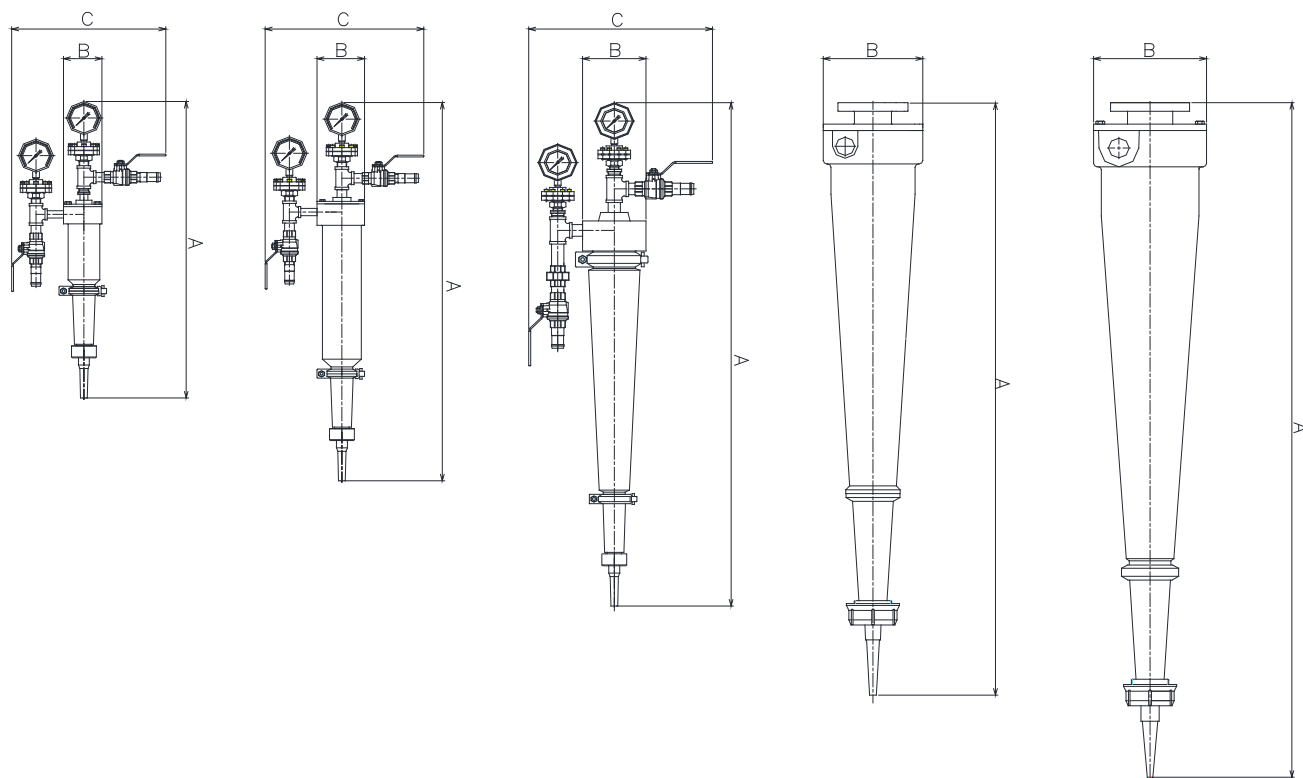
Model	Size Range(μ m)	Flow Rate(L/min)	Feed Pressure Range(Mpa)
T-30NN / CN	Approx. 15	20 ~ 50	0.05 ~ 0.35
T-50NN / CN	Approx. 20	30 ~ 70	0.05 ~ 0.35
T-80NN / CN	Approx. 30	60 ~ 120	0.05 ~ 0.35
T-350NN / CN	Approx. 55	370 (at 0.2 Mpa)	0.05 ~ 0.35
T-500NN / CN	Approx. 60	525 (at 0.2 Mpa)	0.05 ~ 0.35

Mechanical Specifications

Model	Inlet Piping Size	Outlet Piping Size	Body Material	Material Nozzle Material
T-30NN / CN	15A Hose(Rc10A)	15A Hose(Rc10A)	MC nylon	Urethane / Ceramic
T-50NN / CN	15A Hose(Rc10A)	15A Hose(Rc15A)	MC nylon	Urethane / Ceramic
T-80NN / CN	20A Nipple(G15A)	20A Nipple(G20A)	MC nylon	Urethane / Ceramic
T-350NN / CN	32A Hose(G32A)	50A \times 10k Flange	MC nylon	Urethane / Ceramic
T-500NN / CN	40A Hose(G40A)	65A \times 10k Flange	MC nylon	Urethane / Ceramic

T-30, T-50, T-80, T-350 and T-500 Super-Hydrocyclones

Dimensions



T-30NN

T-50NN

T-80NN

T-350NN

T-500NN

Model	A (mm)	B (mm)	C (mm)	Weight
T-30NN/CN	693	85	340	5
T-50NN/CN	884	105	350	7
T-80NN/CN	1171	φ 140	406	9
T-350NN/CN	1384	φ 220		15
T-500NN/CN	1577	φ 150		18

※The weight of T-30~80 models includes valves and pressure gauges



LP-5600 (Radial Type)



T80-5 (Manifold Type)