Let Food Waste Disposer be An INDELIBLE PART of your Kitchen

Free of Food waste  Insect Free  Mosquito Free  Free of Foul Odour

Ensure Good Hygiene for Great Health
Company Profile

Our Vision
To satisfy the needs of people everywhere through the supply of technologically superior products and services.

It is the mission that inspires Sharp to deliver products that aptly meet the needs of the market, building an unshakeable trust in millions of homes through the years. Sharp pump private limited started in 1966 as a leader in monoblock water pumps in India. Working on the basis of sound science, Sharp has created products which are now household names relied on for the smooth functioning of daily lives in India.

Technology
The Driving Force behind our Success
It is this mission that inspires Sharp to deliver products that aptly meet the needs of the market, building an unshakeable trust in millions of homes through the years. Sharp pump private limited started in 1966 as a leader in monoblock water pumps in India. Working on the basis of sound science, Sharp has created products which are now household names relied on for the smooth functioning of daily lives in India.

Quality
Strict to ensure safety and longevity of products
By upholding rigorous standards of quality, Sharp has been able to deliver sustained success through the years. Whether it is about the safety of the products or their longevity, the processes and tests at Sharp ensure that the customer gets the best everytime.

Commitment
Inspired to perform for over two decades
Technology performance is driven by commitment - to value, to the customer, to processes at Sharp. Every customer is important and every interaction is unique. Keeping this in mind, Sharp maintains a total commitment to exceptional standards of performance and productivity, working together effectively and is a progressive to embrace new ideas and learn continuously.
Crush Your Food Wastes! Cherish a better world!

Crusher is a food waste disposer from Sharp, a brand renowned for motors and pumps worldwide. Crusher ensures zero waste management system at both domestic and commercial environments.

Produced to perfection, Crusher eliminates food waste and brings in a hygienic environment. Crusher could handle various food wastes including meat bones in a matter of seconds. Crusher can efficiently grind food waste into tiny particles that can be simply flushed down the kitchen drain into a drainage pipe or the waste treatment plant.

Crusher can be easily fitted under the sink in a distinct manner without affecting the look and feel of your facility. Crusher has been developed to meet stringent industry standards, while taking cost-effectiveness into consideration.

Crusher Food Waste Disposer - The Indigenous Waste Crusher

Quick to fix, compact to handle and efficient to operate!

Indigenously designed and developed by Frost Industries, Crusher has cutting-edge technology mechanisms to crush food wastes in considerably less time, utilizing less electricity and saving blocks to ensure free flow of water and a hygienic kitchen.

Our engineering team has devised simple and easy operations such that even a layperson can learn fast and operate efficiently.

<table>
<thead>
<tr>
<th>Model</th>
<th>TABLE TOP, PIPELINE, DECK</th>
<th>ENSLAVED IN SINK, DECK</th>
<th>ENSLAVED IN SINK, PIPELINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Capacity (kg)</td>
<td>1000 1000 1000 500 500 700 1000 1000 1500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical Power (VA)</td>
<td>0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75</td>
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</tbody>
</table>

- **Litter waste**: Example of food waste: Lift near food service, meat and fish scraps, vegetables, pomace of work station, bone, etc. Can be easily disposed of where, lift, etc., from where it was disposed of.

- **Medicine waste**: Example of food waste: Medical waste, trash cans, samples of waste station preparation kitchen, clean-up stations for food waste, etc.

- **Surgical waste**: Control of food waste by separating waste from waste station, etc. Round-up stations, etc.

- **Central stations**: Extreme conditions: Larger amounts of food waste and for longer periods of time continuously.

Do you know...?

A higher motor power and larger grinding unit allows for better increased grinding power, also increased pumping and transport capacity of the ground food waste through the waterpump and into drainage pipes. A larger model should be chosen if (the) disposal is expected to run for long periods without stopping, e.g. for continuous operation during 2-4 hours when removing food waste from the kitchen. Similarly, when there is a borderline case between two models, the larger and more powerful model should always be chosen. Also, by installing several smaller units placed close to each work station, instead of letting several work stations share a larger disposal model, the transfer of food waste in the kitchen is minimized.
Crusher – The Home Variant

A filthy kitchen is the first place to breed germs!
Clean up with Crusher!

Imagine this...

Considerable time in the kitchen cleaning things is a frustrating daily affair.

Filthy kitchen tables, choking sinks, overflowing dustbins, and cross-crossing cockroaches, house flies, ants and what not!

Is this a familiar scene?

You are not alone! Many households are plagued with the kitchen menace.

Crush out all these troubles with a simple solution!

Bring in Sharp Crusher Food Waste Disposer!

Things of Past
- Choked pipes
- clogged washbasins
- Overflowing filthy dustbins
- Stinky kitchens
- Inconvenient environment
- And, above all
- Disturbed family members, relatives, guests and friends

Present “Perfect”
- Instant waste disposal
- No food waste blocking your sink and waterways
- Clean, safe, hygienic kitchen
- Fresh air in fullness!
- Washbasins knobs
- Sparkling kitchen – a matter of minutes
- Hygienic, environment-friendly days
- And above all...
- More time, happy family, reduced stress!

A neat and clean kitchen.
Happy Household. Happier Family.

Electric food waste disposer, a clean and convenient answer to kitchen woes. Crusher has heavy-duty blades which grind garbage in seconds. This is flushed down the drain, leaving your kitchen clean. Dust free, Germ free and Odor free as all times. It comes with direct current motor.

Material Specification

- Grinding chamber: Linite
- Mopper: Linite
- Teeth Ring: SS 304
- Impact: SS 304
- Cutting Blades: SS 304
- Shaft: SS 304
- Motor: 1 HP SHARP Motor
- Body: SS 304

THE FOOD WASTE FACT

Do you know...?

More than 600,000 tons of solid waste is being produced annually in restaurants due to industrial, eating, municipal waste and other purposes.
Industrial hazards could do more harm than bombs! Crush with Crusher!

Consider this...
- Increasing budgets on admin, facilities management
- High employees’ attrition at housekeeping
- Backyard becoming junkyard
- Mounting waste disposal costs
- Fines from Pollution Control Board
- And, above all...
Customers hate doing business with polluters.
For many businesses, this is a familiar, intimidating scene.
Absolutely no worries! Approach us for a perfect Waste Crusher Solution!

SHARP Crusher – Waste Disposer could do wonders to your business.
- Industry-ready Waste Disposers
- Easy deployable consuming less energy
- Usability, safe operations
- Affordable costs without compromising quality
- Reduced budget on housekeeping & staff in staff activities
- Focus on your core business not on waste management
- Environmentally friendly, pollution-free operation And, above all...
- Happy customers, better business = faster returns

Focus Industries – Crusher Waste Disposer
We specialize in the following industries, with a focus on the unique business operations and the challenges they face. Each industry has been designed and developed to handle the unique needs of these industries.

- Hotels
- Restaurants
- Shopping malls
- Colleges
- Hospitals
- Industries
- Offices

Crush ahead to a healthy, hygiene & environment-friendly world!

Traditional Food Waste Disposal - Drawbacks
- Food waste often needs to be burned in kitchens.
- Costs of collection and disposal is a burden.
- Food waste chokes pipes, leading to overflowing waste water.
- Food waste blocks sites and pipes, leading to blockage.
- Plumbing solutions are unworkable - waste of time, money and resources.
- Vast kitchen causes gastrointestinal infections.
- Food waste results in emissions that cause pollution and greenhouse gas.

Better Work Environment // Better Waste Environment & Hygiene Solutions
- Manual handling and bulky waste results in an otherwise, work and stressful situation – enjoy complete freedom from this undesirable scenario.
- A clean kitchen is always a better kitchen and productive one – as cleaning work is considerably reduced.
- A neat and tidy work environment, thanks to ergonomic improvements.
- No bad odors, pests and vermin formation, instead enjoy pleasant working conditions and better hygiene.

Better Economy // Considerable Time, Money & Resource Savings...
- It is a tedious and time-consuming job to sort the food waste – automation helps save time and money.
- Savings through considerable reduction in working hours and operating expenses.
- Much lesser cost per meal/trash and faster and better return-on-investment.
- Efficient waste containers and transport to reduce business spending time and energy.
- We divisions and healthcare expenses resulting in a healthy and happy life.

Environment-Friendly // Sharp Crusher – for a better and happy planet!
- Recycle through biogas production and gain environmentally conscious corporate image.
- Feeder transport of garbage, ensuring fast vehicle rebatons, road wear and accidents.
- Possible of recycling through anaerobic digestion in the form of renewable energy (biogas).
- Better utilization of composting and biogas in sewage systems and sewage treatment plants.
- Avoid processing of biogas for disposal at treatment plants or larger facilities.
- Less pollution is deposited and better utilization.
Tabletop Series

Food waste disposers are designed for maximum energy efficiency and long lasting durability with 3 different inlet sizes and 3 variant of mounting for any size operation.

Tabletop series crushers can be adopted to kitchen, and working environment, without affecting existing layout.

// TM SERIES (Tabletop - Direct Mounting):
In this series 80 mm to 100 mm directly welded with sink unit. The other side of the nipple is threaded either 3/4" or 4" respectively. A pipe lock fits the crusher to nipple normally crusher comes with 3/8" BSP nipple, the sink hole standard size is 80 mm.

// TB SERIES (Tabletop - Batch):
In this series, crusher comes with cone and cover. It can be directly installed in the table or working area. Food waste is collected in the cone and then be crushed in batches. The cover of the cone, it is fitted with 3/4" thread, when the lid is open, the crusher stop down. There is two or three flushing nipple arranged in the cone, when the crusher is started, water flush all the garbage in the cone to the crushing chamber. The cover prevents access to the rotating grinding unit during operation.

// TC SERIES (Tabletop - Continuous):
In this series, crusher comes with cone and cover. It can be directly installed in the table or working area. Food waste is collected in the cone and then be crushed continuously. The cover is fitted in such a way that it permits continuous feeding of garbage into the disposer. The opening of the crusher is partially covered and also supported with 3/4" thread. When the crusher.

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### Material Specification

- Grinding chamber: FG 290 / EGG 290
- Hooper: FG 300 / EGG 300
- Teeth Rod: SS 440 C
- Impeller: SS 440 C
- Cutter Blades: D2 - 24 + 24 HRC
- Shaft: SS 407 / Stainless Steel hardened
- Mechanical seal: Carbon / Ceramic
- Skid: SS Carbon / Stainless
- S Nivel Ultrasonic Emitter

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### Dimensional Details

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor Power (HP)</th>
<th>Pk (W)</th>
<th>T (hrs)</th>
<th>G (tons/hr)</th>
<th>I (mm)</th>
<th>Fm (mm)</th>
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</thead>
<tbody>
<tr>
<td>CD 1900- TMB/TC</td>
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<td>985</td>
<td>0.75</td>
<td>1.5</td>
<td>135</td>
<td>135</td>
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<td>3</td>
<td>135</td>
<td>135</td>
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<tr>
<td>CD 3300- TMB/TC</td>
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<td>7</td>
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<td>CD 5000- TMB/TC</td>
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<td>15</td>
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<td>20</td>
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</tbody>
</table>

Note: All Dimensions are in mm, unless otherwise specified.
Standalone series are independent installations that can be part of any commercial/industrial kitchen without any change in its layout.

// SB SERIES (Standalone Crusher-S Batched):
These units are designed to be installed as separate units, and are delivered ready for connecting to existing flushing water drainage and electrical supplies. The positioning of the waste water outlet can be adjusted to suit the position of the existing drain. When the crusher is started, the valve opens allowing water to flush food waste into the grinding chamber and out to the wastewater system. The cover is fitted with a limit switch, which stops the crusher when the cover is lifted.

// SC SERIES (Crusher - Continuous):
These units are designed to be installed as separate units, and are delivered ready for connecting to existing flushing water drainage and electrical supplies. The positioning of the waste water outlet can be adjusted to suit the position of the existing drain. The unit has a safety feature which stops the motor when the lid is removed.

// Material Specification
Grinding chamber: "F" 200 / "G" 300
Hopper: "F" 200 / "G" 300
Teeth Ring: "G" 300
Bowl: "G" 300
Color Notes: White / Blue / Red / Green
Stuff: SS 304 / SS 316 / SS 316L
Mechanical seal: Carbon / Ceramic / Sic / Carbon + Buna S / Nitrile + Hardener

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Dimensional Details

<table>
<thead>
<tr>
<th>Model</th>
<th>1144</th>
<th>2344</th>
<th>3249</th>
<th>3249 A</th>
<th>7249 A</th>
<th>7249 A</th>
<th>11249 A</th>
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<tbody>
<tr>
<td>Capacity kg/hr</td>
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<td>500</td>
<td>700</td>
<td>700</td>
<td>850</td>
<td>1000</td>
<td>1500</td>
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<tr>
<td>Motor power kW</td>
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<td>2.5/4</td>
<td>2.5/5</td>
<td>2.5/5</td>
<td>5.5/7.5</td>
<td>7.5/10</td>
<td>10/15</td>
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<tr>
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<td>10</td>
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<td>2&quot;</td>
<td>2&quot;</td>
<td>3&quot;</td>
<td>3&quot;</td>
<td>4&quot;</td>
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<tr>
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<td>5&quot;</td>
<td>5&quot;</td>
<td>5&quot;</td>
<td>6&quot;</td>
<td>6&quot;</td>
<td>8&quot;</td>
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<tr>
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<td>90</td>
<td>110</td>
<td>140</td>
<td>150</td>
<td>230</td>
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<tr>
<td>Gross weight Kg</td>
<td>100</td>
<td>110</td>
<td>120</td>
<td>170</td>
<td>220</td>
<td>240</td>
<td>280</td>
</tr>
</tbody>
</table>

Note: All dimensions are in mm, unless otherwise specified.
Control Panel

// Features

1. Control of the seawater supply unit for the ship's cooling.
2. Automatic change of the sense of rotation with every start in order to increase the service life of the cutting tools or other.
3. Reaction of the overload protection to prevent digging.
4. Control of the safety device of a ready-to-pump to be put in operation in necessary.

// Functional characteristics

The crusher control is activated through a Start / Stop switch. The seaweed valve of the seawater unit opens after the signal (e.g., external pressure or underwater push button control) and seawater is flushed with sealing liquid.

Both crusher and pump switches on automatically after 30 sec. Once it is switched off, it stays working immediately while seawater is until shut off with a 30 sec delay. Every sense of rotation of the crusher is altered automatically with every new start. To prevent digging, the crusher control monitors the motor current. When the current limit is exceeded, the contractions are activated automatically and sense of rotation is changed again. This procedure will be repeated up to 4 times. If the current is still above the limits, both crusher and pump switches off automatically.

DON'T DUMP YOUR FOOD WASTE

USE SHARP CRUSHER FOOD WASTE DISPOSER

SAVE OUR ENVIRONMENT

HEALTHY LIVING