

**Point Industries**

Point Arcade, Sharp Nagar, Kalapatti,  
Coimbatore - 641 048, Tamil Nadu, India.

Ph: +91 0422- 6585201 / 202, Fax: +91 0422 - 2627634  
E-mail: [exports@pointpumps.com](mailto:exports@pointpumps.com) | [www.pointpumps.com](http://www.pointpumps.com)



Ensure  
Good Hygiene  
for Great Health



Free of Food waste



Insect Free



Mosquito Free



Free of Foul Odour





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## ➔ Company Profile



### // Our Vision

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

It is this mission that inspires Sharp to deliver products that aptly meet the needs of the market, building an unshakeable trust in missions of homes through the years. Sharp pump private limited started in 1986 is a leader in monoblock water pumps in India. Working on the basic 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 missions of homes through the years. Sharp pump private limited started in 1986 is a leader in monoblock water pumps in India. Working on the basic 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 applying 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 values, 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, to working together effectively and to a willingness to embrace new ideas and learn continuously.



## → The Waste Disposer

# 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 discreet 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 Point Industries, Crusher has cutting-edge technology mechanism to crush food wastes in considerably less time, utilizing less electricity and clearing blocks to ensure free flow of water and hygienic kitchen.

Our Engineering team has devised simple and easy operations such that even a lay person can learn fast and operate efficiently.

Do you know...  
In a survey, close to 70% of the women in Chennai, South India said they were not aware that the kitchen could be a possible source of infection.



## → Model Selection

Model	1050 1100	2050 2200	3050 3200	3050 A 3200 A	5050 A 5200 A	7050 A 7200 A	10050 A 10200 A
	TABLE TOP:TM/TB/TC-SERIES			STAND ALONE:SB/SC-SERIES			
Normal Capacity, kg/h	300	500	700	700	850	1000	1500
Electrical Power, kW	0.75	1.5	2.2	2.2	3.7	5.5	7.5
<b>Softer waste</b> Example of food waste: left - over from paltes, meat and fish scraps, chicken bones, pasta. Example of work station : cold buffet, bar, washing line where left - overs is cleared from plates.	✓	✓	✓	✓	✓	✓	✓
<b>Medium waste</b> Example of food waste: medium bones, crab shells. Example of work station : preparation kitchen, clean - up station for food scraps.			✓	✓	✓	✓	✓
<b>Tough waste</b> Example of food waste: any types of bone. Example of work station : pot wash station, rough clean-up station				✓	✓	✓	✓
<b>Central station / Extreme conditions</b> Larger amounts of food waste and for when disposer is to operate for a long period of time continuously.					✓	✓	✓

A higher motor power and larger grinding unit allows for, besides increased grinding power, also increased pumping and transport capacity of the grounded food waste through the water trap and into draining pipe. A larger model should be chosen if the disposer is expected to run for long periods without stopping, e.g. for continuous operation during 1-2 hours when removing food waste from plates. 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 station share a larger disposer model, the transfer of food waste in the kitchen is minimized.

Do you know...  
More than 80% homemakers find it tough to clean the kitchen.

## ➔ 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.  
Happy times with family, relatives and friends compromised – thanks to Kitchen Prison.  
Filthy kitchen table, choking sinks, overflowing dustbins, and criss-crossing cockroaches, house flies, ants and what not!

*Is this a familiar scene?*

*You are not alone! Many households are daunted 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 waterways
- Overflowing, filthy dustbins
- Stingy kitchens
- Unhygienic environment
- And, above all -
- Frustrated family members, relatives, guests and friends!

#### Present “Perfect”

- Instant waste disposal
- No food waste clogging your sink and waterways
- Clean and clear dustbins
- Fresh air – no foul smell
- Vanished insects
- Sparkling kitchens – in a matter of minutes
- Hygienic, environment-friendly days
- And above all -
- More time; happy family, relaxed life!



## ➔ Domestic Crusher

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



Electric feed waste disposer, a clean and convenient answer to kitchen waste. 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 at all times. It comes with direct current meter.

### // Material Specification

Grinding chamber	: Lm6
Hopper	: Lm6
Teeth Ring	: SS 304
Impeller	: SS 304
Cutter Blades	: SS 420
Shaft	: SS 304
Motor	: 0.5HP PMDC motor
Inlet Base	: Nylon

#### THE FOOD WASTE FACT

Do you know...  
Leading microbiologists in the UK disclosed that kitchen is one of the dirtiest places in the house.

#### Do you know...

Close to 1000 million tonnes of solid waste is being produced annually as by-products during industrial, mining, municipal, agricultural and other processes.





## ➔ Crusher – The Commercial Variant

# Industrial hazards could do more harm than bombs! **Crush with Crusher!**

### Consider this...

- Increasing budgets on admin, facilities management
- High employees' attrition at house keeping
- Backyard becoming junk yard
- Mounting waste disposals costs
- Fines from Pollution Control Board
- And, above all...
- Customers hesitate 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 Crusher Waste Disposers
- Easy deployable consuming less energy
- User-friendly, safe operations
- Affordable costs without compromising quality
- Reduced budget on housekeeping, facilities and admin activities
- Focus on your core business not on waste management
- Environment-friendly, pollution-free operations 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 Crushers have been designed and developed to handle the unique needs of these industries.

- Hotels
- Restaurants
- Colleges
- Hospitals
- Offices
- Hospitals
- Marriage halls
- Apartments
- Industries

### Industrial Crusher

It can be adopted to your specific kitchen and working environment, regardless of size and layout. Immediate and efficient removal of food waste is necessary in every kitchen. Using Crusher food waste can hygienically and easily be taken care of and reduce the total amount of refuse. Food waste is washed down the disposer and ground in the grinding chamber into small particles for further transport in the sewage network or to a tank and possible subsequent recycling into bio gas through digestion.



## ➔ The Crusher Advantage

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

### Traditional Food Waste Disposal - Drawbacks

- Food waste often results in unclean kitchen.
- Waste collection and disposal is a burden.
- Food waste chokes pipes ending in overflowing waste water.
- Food waste blocks sink and pipes inviting rodents.
- Plumbing solutions are unavoidable – waste of time, money and resources.
- Unclean kitchen causes gastro-intestinal infections.
- Food waste results in landfills that cause pollution and poisonous gas.



### // SHARP Crusher - **Benefits for You** • Inseparable Part of Modern Kitchen

#### **Better Work Environment** // Better Work Environment & Hygienic Solutions

- Manual handling and bulky wastes results in strenuous work and stressful situation – enjoy complete freedom from this undesirable scenario.
- A clean kitchen is always a better kitchen and productive too – as cleaning work is considerably reduced.
- A neat and tidy work environment – thanks to ergonomic improvements.
- No bad odors, pests and bacteria 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 wastes – automation helps save time and money.
- Savings through considerable reduction in working hours and operating expenses.
- Much lower cost per meal served and faster and better return-on-investment.
- Fewer waste containers and transport to storage locations saving time and energy.
- No diseases 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 environment-friendly corporate image.
- Fewer transports of garbage ensuring less vehicle exhausts, road wear and accidents.
- Possibility of recycling through anaerobic digestion in the form of renewable energy (biogas).
- Better utilization of social investments in sewage systems and sewage treatment plants.
- Avoid pre-processing (grinding) cost for food waste at treatment plants/ biogas facilities.
- Less garbage is deposited and better utilization.



## → Tabletop Series

Food waste disposer 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 nipples directly welded with sink unit. The other side of the nipple is threaded either 3" or 4" respectively. A plate bolted to the crusher is threaded to nipple normally crusher comes with 3" 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 it will be crushed in batches. The cover of the cone, it is fitted with limit switch, when the lid is open the crusher shuts down. There are 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 it will be crushed continuously. The cover is fitted in such a way that it permits continuous feeding of garbage in to the disposer. The opening of the crusher is partially covered and also supported with limit switch. When the crusher.

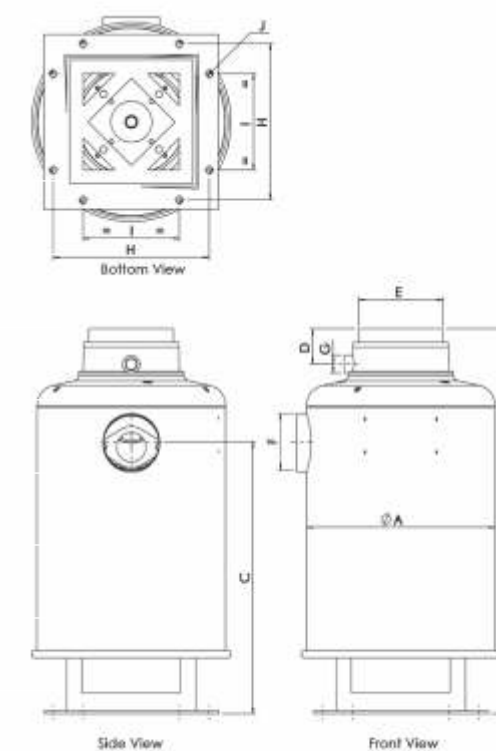
### // Material Specification

Grinding champer	: FG 200 / GG 200
Hopper	: FG 200 / GG 200
Teeth Ring	: S5 440 C
Impeller	: S5 440 C
Cutter Blades	: D2 - (50 – 55 HRC)
Shaft	: S5 431 Induction hardened
Mechanical seal	: Carbon \ Ceramic
	Sic \ Sic Carbon \ buma
	5 Nitrile \ Viton Elastomer



## → Tabletop Series

	1050	2050	3050	3050A	5050 A	7050 A	10050 A
Model	TABLETOP : TM/TB/TC-SERIES						
Capacity kg/hr	300	500	700	850	850	1000	1500
Motor power HP/kW	1/ 0.75	2 / 1.5	3 / 2.2	3 / 2.2	5.0 / 3.7	7.5 / 5.5	10 / 7.5
Current Amps	2.3	4.1	5.2	6.2	10	15	20
RPM	1440	1440	1440	1440	1440	1440	1440
Pipe Size	2"	2"	2"	3"	3"	3"	4"
Inlet	5"	5"	5"	10"	10"	10"	12"
Net weight Kgs	70	80	90	130	160	190	230
Gross weight Kgs	100	110	120	170	200	240	280



Dimensional Details											
Tabletop											
Model	Motor Power HP / KW	A	B	C	D	Pipe Size in inch			H	I	J X n
						E	F	G			
CD 1050 - TM/TB/TC	1.0 / 0.75	320	525	460	60	5"	2"	1/2"	242	135	M10 x 8
CD 2050 - TM/TB/TC	2.0 / 1.5	320	650	440	65	5"	2"	1/2"	205	135	M10 x 8
CD 3050 - TM/TB/TC	3.0 / 2.25	320	650	470	50	5"	2"	1/2"	268	164	M10 x 8
CD 3050A - TM/TB/TC	3.0 / 2.25	400	650	470	50	10"	3"	1/2"	268	164	M10 x 8
CD 5050A - TM/TB/TC	5.0 / 3.7	600	750	570	80	10"	3"	1/2"	308	204	M12 x 8
CD 7050A - TM/TB/TC	7.5 / 5.5	700	800	650	80	10"	3"	1/2"	348	244	M12 x 8
CD 10050A - TM/TB/TC	10 / 7.5	700	800	650	100	12"	4"	1/2"	348	244	M12 x 8

Note: All Dimensions are in mm. unless otherwise specified



## ➔ Standalone Series

With Three different inlet sizes / 5 variant of mounting for any size operation

Standalone series are independent installations that can be part of any commercial / industrial kitchen without any change in its layout.

### // SB SERIES (Standalone Crusher- Batches):

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 chambers and out to the wastewater system. The cover is fitted with 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 angled safety cover over the opening into the grinding chamber allows continuous feeding of food waste into the disposer. The cover is fitted with a limit switch, which stops the disposer motor when the lid is removed.

### // Material Specification

Grinding chamber : FG 200 / GG 200

Hopper : FG 200 / GG 200

Teeth Ring : SS 440 C

Impeller : SS 440 C

Cutter Blades : D2 - (50 – 55 HRC)

Shaft : SS 431 Induction hardened

Mechanical seal : Carbon \ Ceramic

Sic \ Sic

Carbon \ buma 5

Nitrile \ VitonElostomer

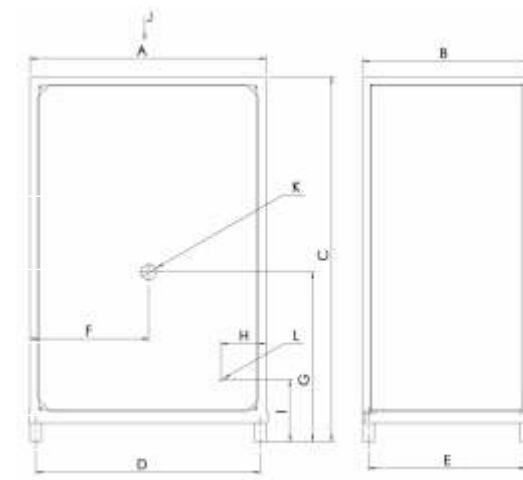
Do you know...

Population growth and faster urbanisation resulted in increased solid wastes generated by industrial, mining, domestic and agricultural activities.



## ➔ Standalone Series

	1100	2200	3200	3200 A	5200 A	7200 A	10200 A
Model	STANDALONE: SB/SC-SERIES						
Capacity kg/hr	300	500	700	700	850	1000	1500
Motor power HP/kW	1/ 0.75	2 / 1.5	3 / 2.2	3 / 2.2	5.0 / 3.7	7.5 / 5.5	10 / 7.5
Current Amps	2.3	4.1	5.2	5.2	10	15	20
RPM	1440	1440	1440	1440	1440	1440	1440
Pipe Size	2"	2"	2"	2"	3"	3"	4"
Inlet	5"	5"	5"	5"	10"	10"	12"
Net weight Kgs	70	80	90	130	160	190	230
Gross weight Kgs	100	110	120	170	200	240	280



Dimensional Details													
Standalone													
Model	Motor Power HP / KW	A	B	C	D	E	F	G	H	I	Pipe Size in inch		
											J	K	L
CD 1100 - SB/SC	1.0 / 0.75	550	380	925	510	342	275	440	150	200	5"	2"	1/2"
CD 2200 - SB/SC	2.0 / 1.5	550	380	925	510	342	275	440	150	200	5"	2"	1/2"
CD 3200 - SB/SC	3.0 / 2.25	765	550	1190	727	510	385	580	150	200	5"	2"	1/2"
CD 3200A - SB/SC	3.0 / 2.25	765	550	1190	727	510	385	580	150	200	10"	2"	1/2"
CD 5200A - SB/SC	5.0 / 3.7	765	550	1190	727	510	385	610	150	200	10"	3"	1/2"
CD 7200A - SB/SC	7.5 / 5.5	980	750	1250	942	700	440	650	150	200	10"	3"	1/2"
CD 10200A - SB/SC	10 / 7.5	1050	850	1250	1030	800	540	750	150	200	12"	4"	1/2"

Note: All Dimensions are in mm. unless otherwise specified



## ➔ Control Panel

### // Features

1. Control of the seal water supply unit for the shaft sealing.
2. Automatic change of the sense of rotation with every start in order to increase the service life of the cutting tools or after.
3. Reaction of the overload protection to prevent clogging.
4. Control of the safety device of a stand by pump to be put in operation in necessary.



### // Functional characteristics

The Crusher control is activated through a Start / Stop switch. The solenoid valve of the seal water unit opens after the signal (e.g. external pressure or level switch or push button control) and mechanical seal is flushed with sealing liquid.

Both crusher and pump switches on automatically after 30 sec. Once it is switched off, it stops working immediately while seal water is unit shuts off with a 30 sec delay. Every sense of rotation of the crusher is altered automatically with every new start. To prevent clogging, the crusher control monitor the motor current. When the current limit is exceeded, the contractors 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

