

CELSUN SPONGE BALLS FOR CONDENSER & HEAT EXCHANGERS CLEANING

The sponge rubber balls are necessary to maintain the inner side of condenser and heat exchanger tubes clean in power plants and process industries. Any kind of deposition inside the tube reduces the heat-exchange coefficient drastically. The sponge rubber balls can clean all the deposits on the inner side of the tube, and ensure that the equipment runs efficiently.



Our Sponge Balls are sold to Power Plants, Various types of industries and for HVAC condenser tube cleaning applications.

The Standard Sponge Balls (SSB) also called

as non-abrasive balls have porous structure, they are softer and more elastic. They have tendency to absorb water, their surface is coarser, so it can remove dirty stuff easily.

Standard balls are used in most condition that has no special requirements. We recommend continuing use these balls for fresh water, water with high TDS and sea water application. For most customers, the standard sponge ball is their first choice.



The standard balls offered by us have 5 kinds of different firmness. They are soft, mid-soft, medium, mid-firm, and firm.

Symbol	Firmness	Density
S	Soft	160 kg/m ³
MS	Medium Soft	200 kg/m ³
M	Medium	250 kg/m ³
MH	Medium Hard	300 kg/m ³
H	Hard	350 kg/m ³

The choice of the firmness of the balls is dictated by the type of the system design, application, operation of the system continuous/batch type, the pressure drop across the heat exchanger etc. The most commonly used sponge balls for cleaning application are 'Medium' firmness.



Ring Carborundum Sponge Balls also called as abrasive balls are the sponge balls coated with the ring of hard carborundum material. The carborundum is very hard; it can abrade hard deposits on the inner side of the tubes. So if on your condenser tube there is something stuck on the inner surface and very difficult to remove, the carborundum coated ball is the best choice.

But these balls can be harmful for soft tube.



They should ONLY be used in extremely difficult conditions, and they cannot be used continuously or very often. It is recommended not to use these kinds of balls for new equipment, and never use them for brass tube and other soft material tubes. These types of balls should be selected as per the recommendations of online tube cleaning system equipment supplier.

These balls are available for the various firmness mentioned above. For ring coated balls coating of 1-2 mm shall be additional to the ball diameter.

The cleaning sponge rubber balls are available in various sizes mentioned below:

Ball Size (Nominal Diameter in mm)									
Ø 12	Ø 13	Ø 14	Ø 15	Ø 16	Ø 17	Ø 18	Ø 19	Ø 10	Ø 21
Ø 22	Ø 23	Ø 24	Ø 25	Ø 26	Ø 27	Ø 28	Ø 29	Ø 30	Ø 31
Ø 32	Ø 33	Ø 34	Ø 35	Ø 36	Ø 37	Ø 38	Ø 39	Ø 40	-

For the sizes not mentioned above, please contact us. The balls supplied have a tolerance of (-0) to (+1) mm.

Please contact us for techno-commercial assistance:

Celsun Ecoenergy & Infratech Holdings Private Ltd.

157B , Orchard Road, Royal Palms, Goregaon (east), Mumbai 4000 65, India.

www.celsun.in info@celsun.in 022- 2874 6963 / 8652016361