



Enhancement

Fish meal with high protein content and low in ash is in demand to feed juveniles in aquaculture. Digestible proteins are contained in the soft tissue of the raw material; the ash comes from the bones. All LeanFish fish meal plants can be equipped to separate the finest fraction of the dried product from the coarse mainstream prior to the milling known as Enhancement. Depending on the consistency of the raw material, the separated fraction can contain up to and over 80% of digestible protein.

Picture 6: Biomass Gasifier

Flue gases from the combustion of biomass gases are cleaner than those from the firing of fossil oils and gases. Hence, apart from being much more economical, LeanFish fish meal plants fired with biomass gas produce better meal than those fired with fossil fuels. The gasifier shown in this picture was supplied by Ascent short for Ankur Scientific Energy Technologies Pvt Ltd of Vadodara in Gujarat, India (www.ankurscientific.com). The WGB-400 model shown here is appropriate for LeanFish plant with 1 metric ton/hour capacity.

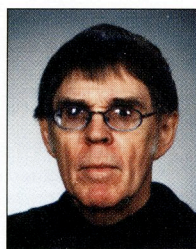
and specifications for local do-it-yourself fabrication of the plants at attractive prices. If fabricated at price levels prevailing in these countries, LeanFish plants will cost less than one-third of current prices for hi-tech plants of equal capacities. There are no pressure vessels in the LeanFish plants, or in the Biomass Gasifiers (Picture 7), and they all comply with all international ordinances on safety currently in force. ■

Web References:

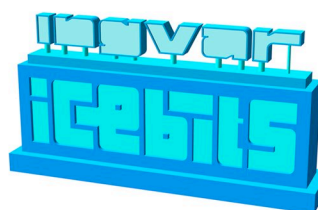
www.ingvar.is/LeanFish/LeanFishPage.html

www.ingvar.is/Downloads/SlideShows.html, Sections 1 and 1a

www.ingvar.is/Downloads/Downloads.html, Section 3 - LeanFish Fish Meal Plants



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