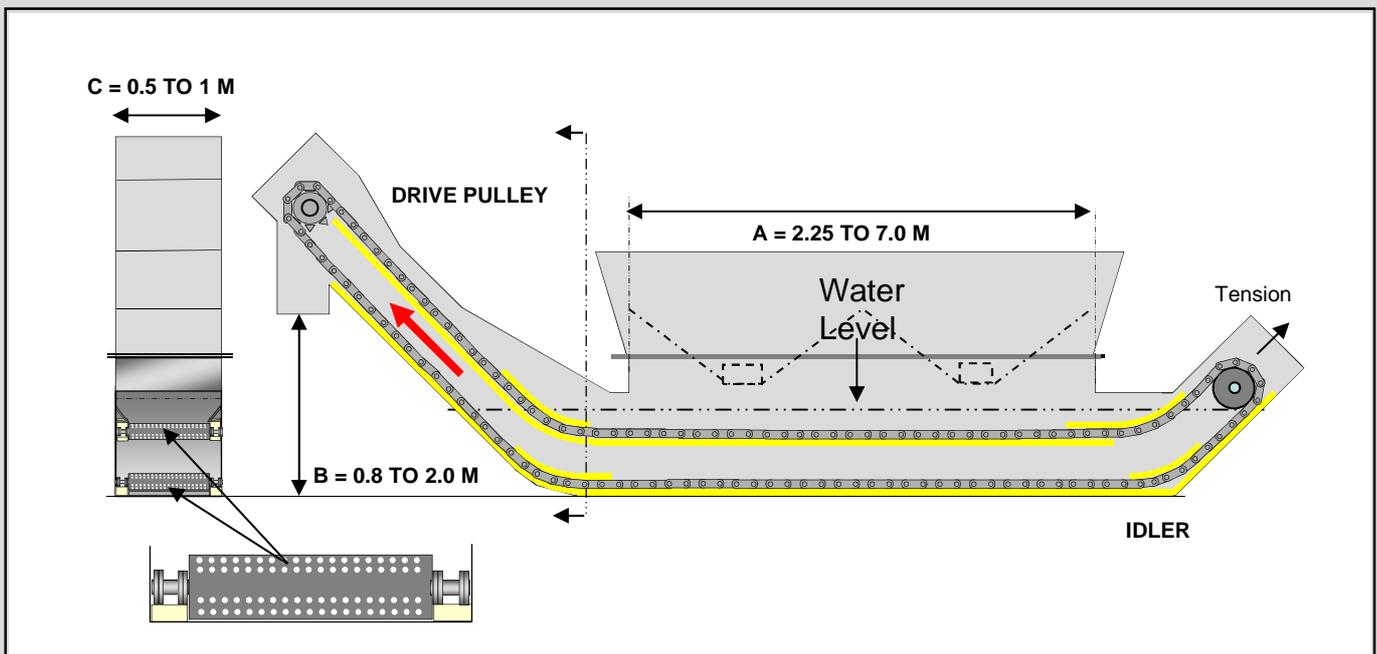


## PRODUCT DESCRIPTION P203

### SUBMERGED ASH CONVEYOR



#### **LOW PROFILE WET ASH CONVEYOR FOR DGA VC GRATE SIZE SHOWN SUITS BOILERS FROM 10 TO 60 TN/H**

The DGA Submerged Ash Conveyor is designed to operate with the DGA Vibrating Combustion Grate. It has a low profile so that the low level riddlings discharge from the bottom deck of the grate allowing the riddlings to be discharge with the bottom ash.

The casing is manufactured in carbon steel for longevity as it resists corrosion and erosion by the aggressive ashes. Replaceable polythene wear pads are provided at appropriate parts of the casing and chain can be tensioned at two points to allow for pin wear.

The chain is a cast iron chain which can be replaced with new links or totally dependent on the wear from the ash. Some ashes like rice husk can wear the chains out quickly.

The ash falls into the submerged conveyor, falling through the top return conveyor, and stops and sinks to the bottom where it is dragged by the lower set of flights up the de-watering section. Here the ash is partially dried and discharged to a discharge hopper.

The water level in the conveyor is controlled by a float valve operating on the water supply main.

The conveyor will operate in the furnace of the boiler provided it is not exposed to direct flame radiation. The design can be sealed off to prevent gas leaks out of the furnace

The conveyor is made in sections and delivered in pieces. The whole can be assembled by 2 men in 2 days