

FLUIDOMAT SCOOP CONTROL VARIABLE SPEED FLUID COUPLINGS, WELL PROVEN ON SLURRY PUMP APPLICATION

Slurry Pumps are essentially used in Coal based Thermal Power Plants, Fertilize Plants, Cement Plants, Metal and Steel Plants and Ore Slurry transportation.

Various types of slurries are handled by these pumps like Ash Slurry, Gypsum Slurry, Iron Ore Slurry, Alumina Slurry etc. These slurries are abrasive in nature and cause fast wear of the pumps. The slurry flow rate needs to be varied continuously in these plants depending on various process parameters, plant loads, plant design and Pump Capacity selection parameters.

In various Pump Designs and Process Designs either a Variable Speed Drive is selected or throttling is adopted to achieve flow variation. Throttling causes faster wear of Pump and calls for frequent maintenance of Pump and accessories. On the other hand if flow rate is varied through speed variation then **Pump wear is reduced considerably with lower power consumption thus Energy Saving.**

Fluidomat - SC the Scoop Control Fluid Couplings are well proven over 15 years on Slurry Pump Application. Fluidomat has supplied a large number of their Fluidomat - SC couplings for this application to various plants covering a wide power range. Some of the installations are:

Client	KW/RPM	Slurry	Fluidomat SC model X Qty.
BSES- Dahanu	325/1500	Ash	SC - 10 X 8
GIPCL- Surat	140/980	Ash	SC - 11A X 8
HPGCL	165/1480	Ash	SC - 9 X 4
NTPC - Vindhyachal	385/1500	Ash	SC - 11A X 4
NTPC- Talcher	325/1500	Ash	SC - 10 X 5
NTPC - Korba	315/1500	Ash	SC - 10 X 5
NTPC - Rihand	75/1475	Ash	SC - 8 X 4
NTPC - Rihand	270/1480	Ash	SC - 10 X 6
NALCO - Damanjodi	600/1500	Ore	CBSC-12 X 4
Oswal Chemicals & Fertilizers	700/1500	Gypsum	SC - 12 X 3
Paradeep Phosphate	750/1500	Gypsum	SC - 12 X 2
Renusagar Thermal Power Plant	350/1500	Ash	SC - 10 X 4
RSEB - Suratgarh	265/1500	Ash	SC - 10 X 4
RSEB - Suratgarh	280/1500	Ash	SC - 10 X 3

The above Fluidomat - SC Couplings provide infinite speed variation range upto 4:5:1 on these installations and are operating successfully.

Fluidomat SC Couplings can adapt to automatic/semi automatic or manual control of speed and work successfully in environmental conditions of above Plants. They are self-standing, rugged and reliable in design requiring no maintenance.

Besides this application Fluidomat - SC have been supplied for many other applications including Fans, Pumps, Conveyors and Crushers.