

COAL FLOW BALANCING USING VARIABLE AREA ROPE BREAKERS

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A subsidiary of The Greenbank Group, Inc.



The Variable Area Rope Breaker (VARB™) Design Parameters:

Our patented VARB and Control Gate designs, combined with an accurate measurement system and our on staff PhD's expertise in flow dynamics enable GESI to deliver the solution to our customer's uneven Pf flow.

We study the customer's unique Pf distribution using Computational Fluid Dynamics (CFD) that closely mimic the existing coal flow.

Our resulting solutions have been proven successful time after time.

Greenbank technology balances coal distribution to your boilers and produces an almost instant return on investment.

The Greenbank Group of companies have multiple successful installations in Europe and North America and the list is growing.

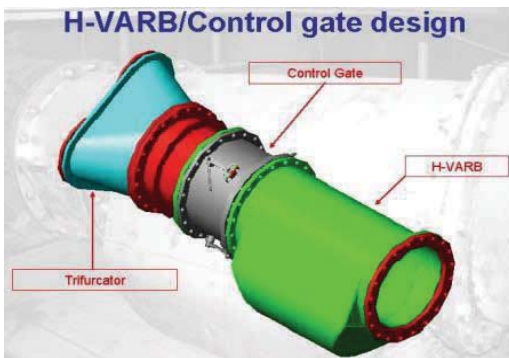
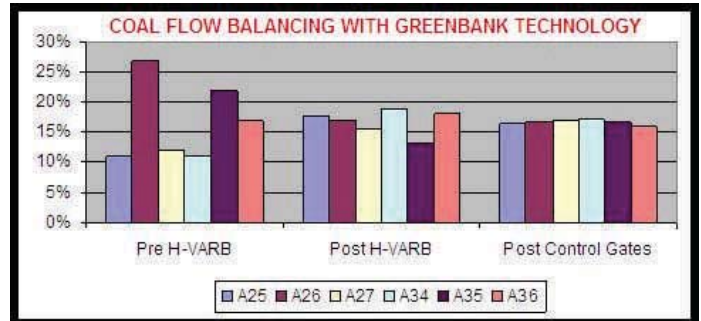


Key Benefits of GESI VARBS™

1. Reduction in L.O.I. (Loss of Ignition)
2. Reduction in C.I.A. (Carbon in Ash)
3. Balanced PF (Pulverized Fuel) flow
4. Controlled PF (Pulverized Fuel) distribution
5. Minimal pressure drop
6. Low Pf load flame stability in boiler
7. Increased efficiency and **fuel savings**
8. Rapid "Pay Back Period"
9. Reduced emissions (NOx Reductions)
10. Prolonged life of the coal transport pipe work
11. Available for 2-way, 3-way and 4-way splits
12. Control Gates offer flow flexibility and easy monitoring
13. Accurate online fuel measurement using PFMaster

Click here for more information

- [VARB Background information](#)
- [VARB Details](#)



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