POLYDIS from Claudius Peters is a dynamic distribution system originally developed for the supply of pulverized coal to the tuyeres of blast furnaces. Now its innovative technology can be applied for any other process.

The problem

You are operating a process at higher than ambient temperatures and pressures.
You want to introduce fine sized solid material into your process.
You need to introduce this fine sized solid material at different points in the process.
You want to control all flow rates individually.

The solution

POLYDIS, the innovative dynamic distribution system from Claudius Peters is the effective and reliable solution for industrial applications.

FEATURES:

- Injecting solid fuels (coal) into the high temperature and high pressure zones of a blast furnaces
- Distribution to 20-32 individual lines
- Control of the solid fuel in each line
- Balanced or unbalanced distribution
- Deviation from setpoint achieved at less than 2.5%
- Control range of 40%-100%
POLYDIS – Dynamic Distribution System

POLYDIS distributor outlet. Individual control valves.

Due to a policy of continued improvement, we reserve the right to change any specification without prior notice. ERRORS & OMISSIONS EXCEPTED.

Contact Claudius Peters to find out how POLYDIS can provide a technical solution for your application.

Coal moisture is mostly removed before the burners. Coal grinding can be installed outside the boiler house. Burner operation independent from coal mill operation.

Raw coal
Fuel
Waste gas

Coal grinding plant POLYDIS System

POLYDIS for coal fired boilers.

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