DUST SUPPRESSION + SUPPORT

BenePak Dust Suppression System

The BenePak Application System produces proven results in all seasons. Its stainless steel fabricated enclosure protects water and chemical systems along with the support controls.

Benetech designs, engineers, and installs complete dust suppression systems and technologies that solve even the most demanding material handling challenges. Our dust suppression methods produce powerful dust control for millions of tons of material each year.

The BenePak application system utilizes an existing water system and a chemical pump using one of our environmentally-friendly chemical surfactants to provide a balanced flow of wet surfactant solution to the application points.

Chemical rates are adjusted based on the water hardness, the amount of fines in the material, and the type of application.

Using material-on-belt detection and belt running signals, the system includes an On-Off operation for performance test automated for permanent installation.

Set-up is simple and inexpensive. Maintenance is minimal, too – you can do it yourself in-house or request routine service from Benetech professionals.

FEATURES & BENEFITS

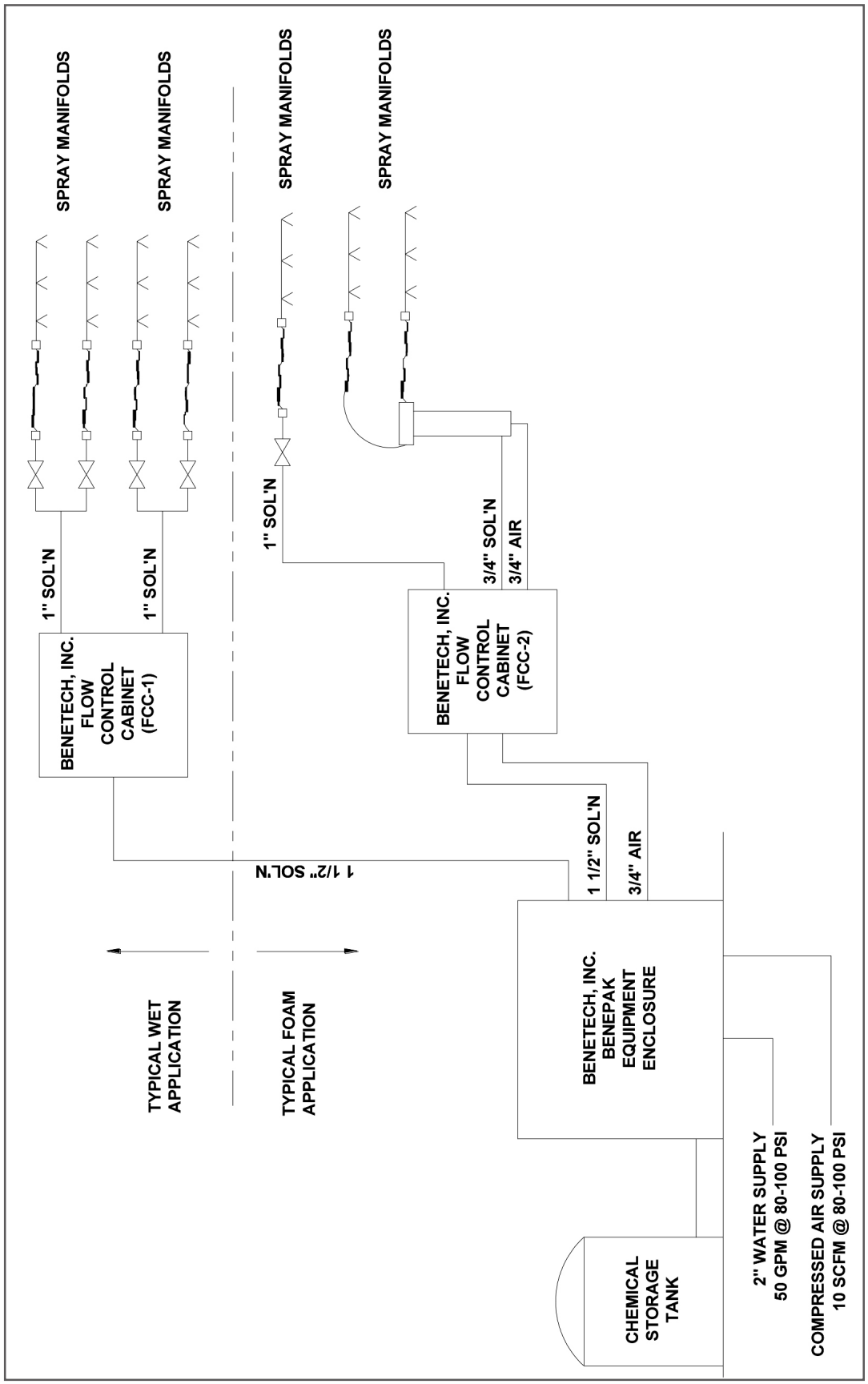
- Stainless steel fabricated enclosure protects water & chemical piping
- NEMA 4 control panel
- Equipment startup, personnel training, and support included
- System performance analysis
- Annual dust management reports

Benetech Chemicals

Benetech has a selection of dust suppression chemicals for all types of bulk material needs. Our cost-effective chemicals are formulated to reduce dust levels with PRB, lignite, gravel, wood chips, scrap metal recycling, taconite, biomass, petroleum and metallurgical coke, iron ore, sinter, clinker, and other materials.

CHEMICAL FEATURES & BENEFITS

- Requires less equipment at fewer application points
- Cost-competitive agent
- Minimizes water addition
- Guaranteed to reduce airborne dust
- Environmentally-safe



BENEPAK DUST SUPPRESSION SYSTEM
TYPICAL GENERAL ARRANGEMENT