

## DOX Brush Spray Unit

### *Brush Roll Spray System*

A moistening system approved for decades. Sturdy in construction; resistant to every kind of spray water.

The pick-up cylinder rotates in a tank with the spray emulsion. The spray water film on the pick-up cylinder caused by adhesion is divided into finest droplets by a rotating brush roller and sprayed homogeneously across the working width.

#### Advanced Brush Spray Unit

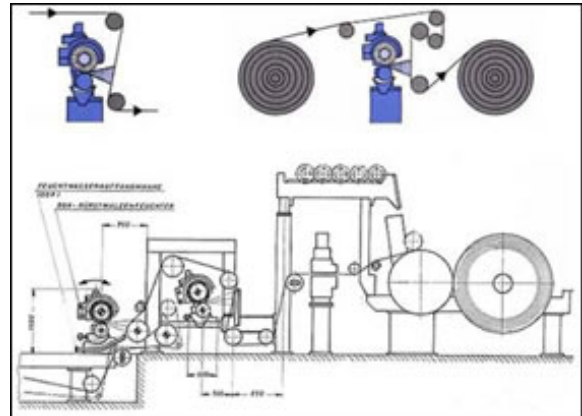
##### DOX Brush Spray Unit Description

Developed for continuous operation, this spray unit, which is of sturdy construction, has been successful for many years. Normal water supplies may be used without special treatment to provide an absolutely uniform, very fine spray, across the sheet width.

This damper is adjustable to suit variations in the web run and can be easily installed into existing machines. For rewinding machines, synchronisation can be provided at the speed of the rewinder. Range of adjustment is 1:25. A special model is available for impregnation.

The brush roller sprays an even water film over the entire sheet width. The speed of the pick-up cylinder is variable and allows practically any amount of water to be applied to the paper. The brush roller itself rotates at constant speed. The water trough is made from stainless steel, providing a corrosion-free spray unit to prevent any extra maintenance.

The application is absolutely drip-free and the system can also be fed from a tank with a solution.



*Advanced Brush Spray Unit Layout*

#### Benefits for the Paper Industry

- High moisture application
- Constant moistening across the web
- Exact dosage of moisture value
- Integrated control system with PLC (Allen Bradley or Siemens S7) can be connected to control system
- Suitable for application of chemical solutions
- Installation in on-line or off-line systems, e.g. rewinding and moistening machines
- Machine speeds up to 800 m/min
- Moisture increase of up to 15 - 25%

#### Technical Specifications

- Pick-up cylinder coated with special rubber
- Brush roll, special segments filled with natural bristles or synthetic bristles
- Water tank
- Protection cover
- Driving arrangement for brush roll and pick-up cylinder
- Integrated control system with PLC (Allen Bradley or Siemens S7)

**DOX Family**

DOX Brush Finishing

DOX Air Web Cleaning

DOX Knife Dust Removal

DOX Spray Tech<sup>Fine</sup>

DOX Brush Spray Unit

DOX Brush RollHighTech