

THE *Ratus Fischer*  
IRRIGATION LINE

## The next generation of flood floors and benches designed by the preeminent specialist in the field

Dr. Ratus Fischer pioneered flood irrigation more than 15 years ago. With installations across the U.S. and Canada, his designs have evolved from years of hands-on greenhouse experience. This next generation of innovative but simple systems from Delta T offers today's growers the highest levels of quality and reliable performance in both flood floors and benches.



## How it Works

Ebb and flow watering on specially shaped floors and benches provides quick and even sub-irrigation for plants in pots or cell packs. Sections are easily filled with 1 to 2 inches of water. The growing media soaks up the water by capillary action, which allows the plants to be completely watered without becoming waterlogged. Sections fill and drain completely in 6 to 10 minutes.

The unused water returns to a reservoir for recirculation. System controls operate independently, or can be integrated with a greenhouse environmental computer system. Flood irrigation is normally combined with floor or bench heat, which facilitates separate control of root and foliage temperatures for enhanced growth with less dependence on chemicals.

## The Benefits

- Works with most crops
- Even watering results in uniform plant growth
- Quick fill and drain shortens watering times and minimizes the risk of disease transfer
- No runoff means no pollution
- Water and fertilizer are not wasted
- Disease is reduced due to dry foliage
- Open floor space enhances flexibility and rapid crop rotation
- Highly reliable, requiring little maintenance
- Promotes good sanitation
- Hand watering is virtually unnecessary
- Excellent payback in quality of crops, ease of operation, low maintenance, and environmental compliance



## Our Flood Irrigation Package

Delta T provides complete flood floor and bench system packages tailored to your operation.

### ► Design Services

### ► Equipment

- Flood Benches
- Pipe and Fittings
- Valves
- Controls
- Filtration
- Pumping
- Water Treatment
- Tanks
- Compressors (Air)

### ► Installation Services

- Floors with Heat Tube
- Piping
- Control and Electrical

### ► Start-up and Training



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