Advantages of the Venturi Cap Cleaning Concept:

- No clogging of nozzles
- Low operating costs – no external power supply, no compressed air
- Easy installation
- Notably reduced maintenance
- Clearly improved machine availability and productivity

The Venturi Effect

The unrivalled endurance of the valves and the practically non-wearing nozzles ensure the longest possible service life. High reproducibility allows great process stability while maintaining the optimum ink/water balance.

To meet the rising demands of contemporary production, delta spray spray bars operate with a unique nozzle cleaning concept – the Venturi Cap.

Sophisticated structures within the cap generate the Venturi Effect. By using basic physics, negative pressure is created. The need for expensive compressed air is eliminated.

Clean air is taken in through a filter in the bar and circulated around the nozzle. This ensures it stays free from dirt and ink particles. As an effect the service life of each nozzle is greatly increased, and press availability as well as productivity are actively improved.

Advantages at a Glance:

- The dampening solution is transferred without contact at a high and controlled spraying frequency.
- Individual activation of each spray nozzle for highest dosing accuracy.
- Quick, easy and tool-free replacement of nozzles.
- Symmetrical design; the spray dampening units are interchangeable.
- Service door for quick and easy maintenance.

Prominent Features Are:

- Manual adjustable shutters
- Complete integration into control console
- Quick and precise variation of web widths

Fully Integrated into the Control Console

To efficiently print variable formats, delta spray spray dampening systems can optionally be equipped with manual shutters. The delta spray line system can be seamlessly integrated into the printing presses control console, making adjustments during production quick and easy. This leads to an improved flexibility of the production process which is further supported by powerful software resulting in precise and reproducible control of the dampening solution application.
UNIQUE DETAILS

INTUITIVE CONTROL ALSO IN RETROFIT SYSTEMS

DAMPENING SOLUTION SUPPLY AND FILTRATION
MADE FOR SPRAY DAMPENING SYSTEMS

THE SYSTEM OFFERS A WIDE RANGE OF FUNCTIONS:

› AUTOMATIC AND MANUAL OVER-DAMPENING
› STORAGE OF INDIVIDUAL DAMPENING SOLUTION CURVES PER PRINTING UNIT
› INDIVIDUAL NOZZLE ADJUSTMENT
› DEFAULTS AND START PARAMETERS CAN BE CONFIGURED AS DESIRED
› PASSWORD PROTECTION CAN BE CONFIGURED TO PROTECT SENSITIVE FUNCTIONS
› DETAILED PRESENTATION OF OPERATING PARAMETERS, STATUS AND FAULT MESSAGES

SMALL DETAILS DESERVE SPECIAL ATTENTION
delta.spray has a unique construction and the built-in features give further genuine advantages.

The internal circulation helps to assure the dampening solution is never stagnant, which in turn reduces the formation of micro-organisms.

Another advantage is the constant dampening solution temperature, which significantly reduces the number of waste copies on start-up.

Robust electrical connectors and stainless steel quick couplings guarantee troublefree handling even after years of use.

A modular and user-friendly electronic control system allows optimum connection of the delta spray dampening units to the control console.

This all contributes to greater process stability and directly influences the profitability of each print job. Reducing effort and the number of parameters that need monitoring saves time and money.

SYSTEMATIC DAMPENING SOLUTION SUPPLY
technotrans offers complete solution from a single source. As a system provider, we configure complete dampening solution supply systems for our customers, whether it’s a large-scale project or an individual application.

The technotrans sd line offers dampening solution circulators and filtration units designed specifically for operation in conjunction with spray dampening bars. Our employees will gladly provide more detailed advice and information – we are also available for on-site consultation.

Our experts look forward to advise you locally in your company.