

## *DEAERATOR INTERNALS*

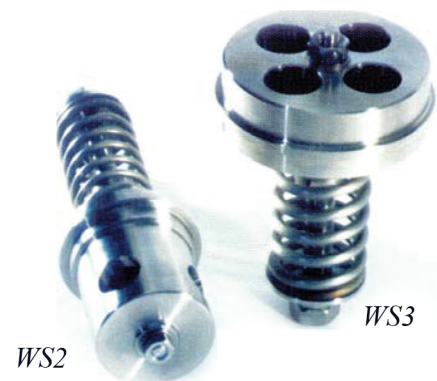
### *Spray Valves, Trays and Pall Rings Random Packing*

NAPEEC (Noandishan Arya Process and Energy Engineering Company) designs and supplies thermodynamic systems and equipments for the treatment and the conditioning of the process water; including thermal and vacuum deaerators. The deaeration efficiency is heavily affected by the layout of the internals and their specific design and features.

NAPEEC developed an excellent design of trays and spray valves, that enhances the performance of the deaeration with remarkable advantages in the overall equipment dimensions and in the relevant construction costs.

The water spray valves have been successfully experimented in a large number of projects, with excellent results.

- *Easy to be installed and maintained*
- *Perfect matching with predicted performance under the whole span of running performance*
- *Very low capital cost*
- *Proven enhancement of process performances even at very high sprayed flows*
- *Adjustable pretension for a large range of allowed Fiction losses*
- *Various materials available, including high grade SS TP321 and S.S.316 L*
- *Very quick deliveries world-wide*

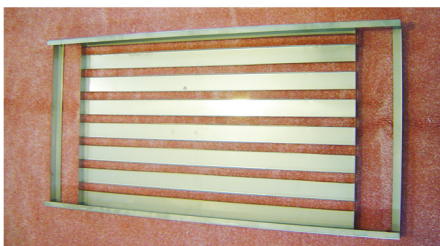


*Spraying valves*

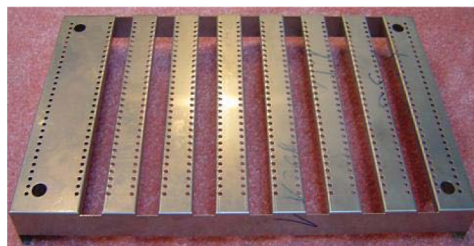


*Standard Pall rings*

*Our engineers are available to assist NAPEEC'S customers in the selection of the proper mode, layout, and number of valves, for the optimized arrangement.*



*Deaerating Trays, Type WT-A Plus*



*Deaerating Trays, Type WT-HP*



*Deaerating Trays, Type WT-A*

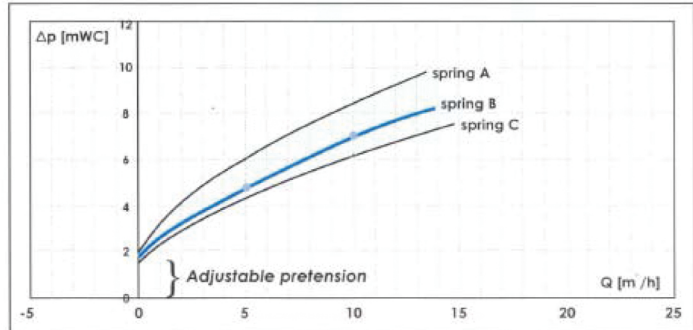
# WS 2

## WATER SPRAYER



### PERFORMANCE CURVES

*A wide range of springs available*



### MECHANICAL DATAS

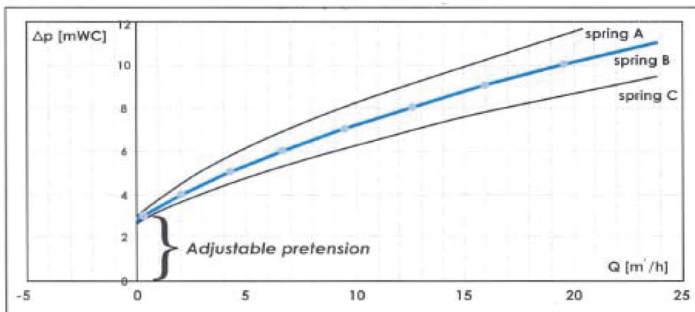
Spray Angle (Typically)	60°
Weight	1.40 kg
Total length	215 mm
Bearing hole	Ø 60 mm
Flange ANSI 2" std. applicable	

## WATER SPRAYER

# WS 3

### PERFORMANCE CURVES

*A wide range of springs available*



### MECHANICAL DATAS

Spray Angle (Typically)	60°
Weight	1.75 kg
Total length	155 mm
Bearing hole	Ø 94 mm
Flange ANSI 2" std. applicable	

