

## Nobel Water Systems Case Study

### Printing Company, Water Purification System for the Humidification of the Production Plant in Brezje, Croatia



#### Summary

Location	Brezje, Croatia
Company Name	Print Grupa
Time of Installation	March 2019
Key Products	Installed Mechanical filtration 1"; EcoWater Systems - 1" Duplex Softener - 2x50l Ion-Exchange Resin; BigBlue sediment and carbon prefiltration; R.O. purification system BlueWater 1600GPD; Back-up R.O. purification system Nobel 800GPD; purified water tank 700l; Booster Pressure Pump; UV-Sterilization unit



#### The facility

PRINT GRUPA has been on the market since 1997, and since 2013 it has been a partner with NS PLAKAT from Novi Sad. Print Group headquarters, with a production area of 3,000 m<sup>2</sup>, are located in Brezje near Zagreb.

The company consists of sales, finance, production and logistics and marketing sectors that employ 105 employees. In their printing plant they installed adiabatic humidification system which started to produce dust inside the plant for the reason of unpure water. The system is 24/7 active and the reaction was needed fast so we resolved it with

the system as following description.

#### Water purification system supplying the humidification system of the plant

The table below sets forth the pre-treatment and water purification system installed.

Municipal water come into system which is maintained by a pressure vessels per 200l controlled with pressure regulation valve at 2" installation.

#### Process

Big particles are removed like rust and dust  
 Chlorine and organic matter removal  
 Water Softening  
 Reverse Osmosis filtration  
 Back-up R.O. System  
 UV Water Sterilization System  
 Pressureless tank with Solenoid valve  
 Booster Pressure Pump

#### Product

BigBlue 20" sediment filter  
 BigBlue Active Carbon filter  
 1" duplex softener 2x50l resin  
 BlueWater Pro 1600GPD  
 Nobel 800GPD  
 UV-1201 12GPM  
 700l PVC  
 PMC 5 / 25 HIDROPAK

#### Brand

Nobel  
 Nobel  
 EcoWater  
 BlueWater  
 Nobel  
 Nobel  
 N/A  
 N/A



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