

Table of Contents

Chapter	Page
1. General Information	4
2. Flat Fan Nozzles • Rotating Flat Fan Nozzles	18
3. Full Cone Nozzles • Bundle Nozzles • Spiral Nozzles	32
4. Hollow Cone Nozzles • Molecular Atomizer	46
5. Solid Stream Nozzles • Needle Nozzles • Throttle Nozzles and Pipe Cleaning Nozzles	60
6. Air/Steam Nozzles	66
7. Nozzle Mouthpieces and Installation Equipment	80
8. Installation Systems • Clip Systems • Mounting Clamps • Bayonet Nozzles • Hollow Spindle Nozzles • Adhesive Sleeves and Nipples • Quick Couplings made from Stainl. Steel and Plastic, Swivel Joints	94
9. Tank Cleaning Nozzles Static, Rotating and 3D-Jet Cleaner Lances and Aggregates	112
10. Binary Nozzles and Nozzle Lances	134
11. Desuperheating Steam • Return Nozzles • Spray-drying Industry-related Nozzles for Paper Mills, Sewer Cleaning, Mining, Fountains	164
12. Injectors as Mixing or Transporting Nozzles for Fluids, Air/gas etc., Valves, Needle Valve Nozzles	176
13. Filters	182
14. Sludge Drainage • Cleaning Doors • Plate Heat Exchanger • Plate Heat Exchanger Rinsing Unit • Ventilators • Vent Condensers • Air Heat Exchanger • Oil Mist Droplet Separator	186
14.7 Fax Form Unary Nozzles	192
14.8 Fax Form Binary Nozzles	193
14.9 Fax Form Tank Cleaning	194