

PSS-9

WW | AW

System for high precision
supply and temperature
control of polishing
slurries and suspensions



CHARACTERISTICS

- ▶ Electronic temperature control
- ▶ Chilling options:
 - Water-Water-Chiller (WW)** for connection to central cooling system or external cooling unit
 - Self-chilling stand alone unit with integrated **Air-WaterChiller (AW)**
- ▶ Electric heating up to 50 °C
- ▶ Coated stainless steel tank
- ▶ Chemical and abrasion resistant pump
- ▶ Housing out of chemically and mechanically resistant plastic
- ▶ Quick couplings on all electrical connections and media lines
- ▶ Acoustic alarm in case of errors (e.g. deadlock of the pump)
- ▶ System on wheels for positioning

ADVANTAGES

- ▶ Heating and cooling through outer tank walls prevent incrustations and agglomeration of polishing powders
- ▶ Enables finer and more consistent High precision temperature control
- ▶ Polishing grades
- ▶ Minimization of media-contacting components a main design target
- ▶ Pump unit together with recycle opening freely rotatable & adjustable
- ▶ Pump unit together with tank lid completely removable
- ▶ Smooth surfaces without corners and edges enable easy cleaning of the entire system from the inside and outside
- ▶ Compact design
- ▶ Clear and comfortable operation
- ▶ Enables efficient use of the polishing slurry in circulation

APPLICATION AREA

- ▶ With polishing machines
- ▶ With machines that require precision temperature-controlled fluid feed
- ▶ Application where you want to recycle fluids
- ▶ High precision machining

OPTIONS

- ▶ Sensor for pH-measurement
- ▶ Sensor for flow rate
- ▶ Level monitoring with alarm function
- ▶ Mechanical agitator
- ▶ Bypass for fluid mixing without mechanical agitator
- ▶ SPS controls incl. temperature recording
- ▶ Further options upon request



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TECHNICAL DATA

| | |
|---------------------------------|--|
| Filling volume [l] | 9 |
| Supply pumps | 100 |
| Max. flow rate per pump [l/min] | ≤ 1 |
| Temperature accuracy [°C] | |
| Electric connection | 400 V – 3 Ph – 50 Hz 220 V – 1 Ph – 50 Hz 208 V – 3 Ph – 60 Hz 208 V – 1 Ph – 60 Hz |



Water-Water-Chiller (WW)

| | |
|---|--------------|
| Dimensions [L x W x H cm ³] | 69 x 45 x 51 |
| Inlet height - IH [cm] | 38 |

Air-Water-Chiller (AW)

| | |
|---|--------------|
| Dimensions [L x B x H cm ³] | 71 x 55 x 51 |
| Inlet height- EH [cm] | 30 |

