# PSS-25

## WW | AW

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

dopa DIAMOND TOOLS

## 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**

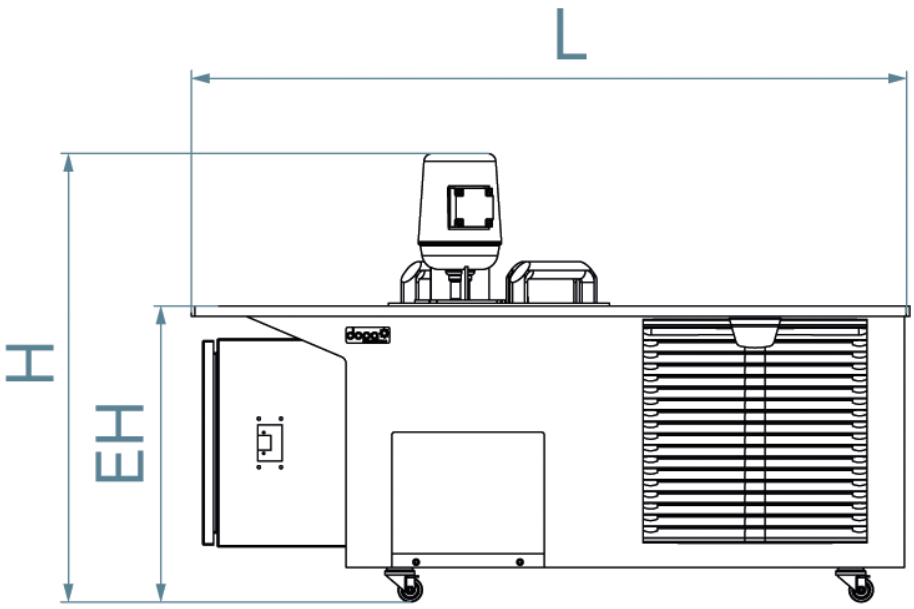
| | |
|---|---|
| **Filling volume [l]** | 25 |
| **Supply pumps** | 1 |
| **Max. flow rate per pump [l/min]** | 100 |
| **Temperature accuracy [°C]** | ≤ 1 |
| **Electric connection** | 400 V – 3 Ph – 50 Hz<br>220 V – 1 Ph – 50 Hz<br>208 V – 3 Ph – 60 Hz<br>208 V – 1 Ph – 60 Hz |

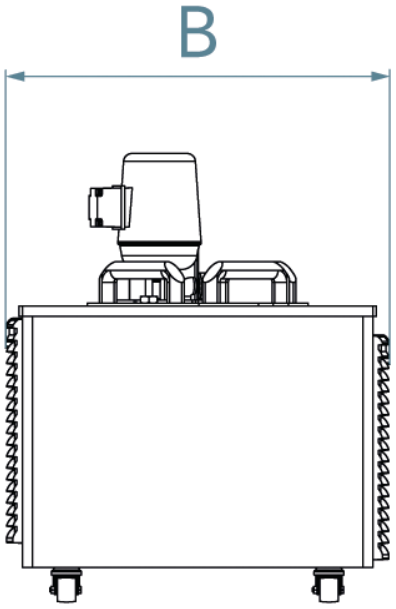
### Water-Water-Chiller (WW)

| | |
|---|---|
| **Dimensions [L x W x H cm³]** | 80 x 52 x 65 |
| **Inlet height - IH [cm]** | 43 |

### Air-Water-Chiller (AW)

| | |
|---|---|
| **Dimensions [L x B x H cm³]** | 104 x 56 x 65 |
| **Inlet height- IH [cm]** | 43 |

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