

STS Humidifiers

STS; Steam-to-steam

STS humidifiers produce chemical-free steam using the heat of boiler steam for humidification. It accomplishes this by using boiler steam in the heat exchanger to evaporate clean fill water into humidified steam. This inexpensive method (compared to electricity) eliminates the problems caused by softening the boiler water.

STS Features

- The capacity of each unit is 4.5-726 kg/h.
- 4 devices can be connected to each other to increase capacity up to 2904 kg/h.
- There is a microprocessor band control and monitor on the device.
- It can be controlled on/off or proportionally.
- Control precision \pm is 3% relative humidity.
- It can be connected to all building automation systems and is suitable for all signals.
- Works with all types of water; mains, soft water, reverse osmosis and ionized water.
- The steam produced can be discharged into the channel or area.
- End-of-season automatic washing prevents the risk of bacterial growth.
- The cleaning plate and detachable cover provide ease of control and maintenance.

Capacity Values

| Model | Capacity (kg/h) | | | | Code |
|----------|-----------------------|-----|-----|-----|----------|
| | Stream pressure (kPa) | | | | |
| | 34 | 69 | 90 | 103 | |
| STS-25C | 9 | 32 | 45 | 54 | 40102701 |
| STS-25S | 5 | 11 | 14 | 16 | 40102702 |
| STS-50C | 23 | 68 | 91 | 109 | 40102703 |
| STS-50S | 14 | 25 | 34 | 36 | 40102704 |
| STS-100C | 45 | 136 | 181 | 218 | 40102705 |
| STS-100S | 27 | 50 | 64 | 68 | 40102706 |
| STS-200S | 68 | 132 | 163 | 177 | 40102707 |
| STS-400C | 136 | 263 | 327 | 358 | 40102708 |
| STS-800C | 295 | 578 | 680 | 726 | 40102709 |

Humidification Dimensions

| Model | A | B | C | D | E | F | G | H | J | K | L | M |
|------------|-----|-----|------|-----|----|-----|-----|----|-------|-------|-----|----|
| STS-25C | 495 | 375 | 600 | 168 | 92 | | | 83 | 3/4" | 3/4" | 159 | 64 |
| STS-25S | 495 | 375 | 600 | 174 | 85 | | | 83 | 3/4" | 3/4" | 159 | 64 |
| STS-50C | 495 | 375 | 1007 | 168 | 92 | | | 83 | 11/4" | 3/4" | 219 | 57 |
| STS-50S | 495 | 375 | 1007 | 174 | 85 | | | 83 | 1" | 3/4" | 219 | 57 |
| STS-100C | 495 | 490 | 1007 | 168 | 92 | | | 83 | 11/4" | 11/4" | 245 | 70 |
| STS-100S | 495 | 489 | 1007 | 174 | 85 | | | 83 | 1" | 3/4" | 245 | 70 |
| STS-200S | 495 | 768 | 1401 | 174 | 85 | | | 83 | 11/2" | 3/4" | 330 | 95 |
| STS-400C | 495 | 768 | 1401 | 168 | 92 | | | 83 | 11/2" | 11/4" | 330 | 95 |
| STS-400SNC | 495 | 768 | 1401 | 174 | 85 | | | 83 | 11/2" | 3/4" | 330 | 95 |
| STS-800C | 756 | 768 | 1401 | 168 | 92 | 363 | 285 | 83 | 11/2" | 11/4" | 330 | 95 |
| STS-800SNC | 756 | 768 | 1401 | 174 | 85 | 363 | 279 | 83 | 11/2" | 3/4" | 330 | 95 |

A: Models with copper heat exchangers

D: Models with stainless heat exchangers

