



ISE steam exchange humidifier by **steamOvap®** is using energy from a central boiler steam to produce pure and sterile steam that is easy to distribute in air handling unit or ventilation duct.

ISE humidifier can be supplied with tap or treated water such as softened or reverse osmosis water. When tap water is used, the scale will come off the heat exchanger by the natural contraction and expansion of the tube. Scale pieces then accumulate at the bottom of the cylinder without the risk of clogging the drain outlet.

Unique and patent pending design of the **ISE** is making it the most efficient, and smallest footprint of the industry, and is it the only one truly easy to service as simple by one person with no need for tools and in few minutes.

- Produces pure & sterile steam
- Full and linear modulation from 1 to 100%
- Capacities from 4 to 600lb/h [1.8 to 272kg/h].
- Constant and precise steam production +/-1%RH.
- Permanent stainless steel cylinder.
- Supplied with Modbus RTU (RS485)
- Suitable for tap or RO water without additional option.
- Optional BACnet remote control.
- Board computer and 7" touch screen .
- Smallest foot print of the industry
- Self clean vertical heat exchanger with coil shape (patent pending).
- Thermally insulated cylinder

BEST CHOICE FOR ENGINEERS

- Very efficient and safe design, as condensate cannot flood heat exchanger.
- Thermally insulated cylinder.
- Easy and versatile integration to steam network; left or right hand side connexion and standard wall mount.
- Self cleaning vertical heat exchanger available in stainless steel or copper + Nickel plating.

PREFERRED BY CONTRACTORS

Easiest to install

- Smallest & lightest steam exchange humidifier of the industry.

Easiest to set-up and start-up

- Unique 7in large touch screen.

Easiest to service

- Done in minutes with no tools & absolutely no spare parts required.

INNOVATION

- EcoEnerSmart® patented function saving energy and water.
- Unique vertical heat exchanger—patent pending.
- Internal hydraulic circuit without check valve prone to block in open or closed position.
- 7in touch screen user interface

DESIGN & PRODUCTION

Proudly designed and made in Canada by a dedicated team combining more than 40 years of experience in humidification.



Best warranty of the industry!

If your humidifier installation has been verified and validated (with a start-up report) by one of our authorized representatives.

ISE [PRESSURIZED STEAM]

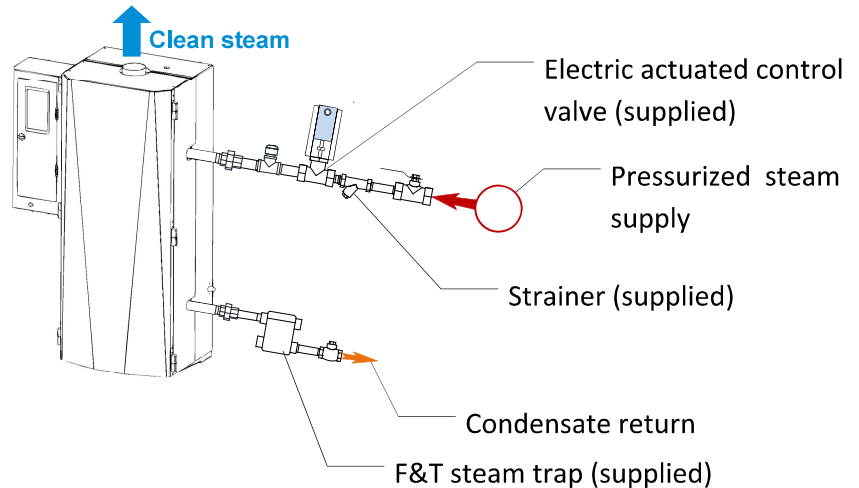
ISE for pressurized steam is supplied with electric control modulating actuated valve (24Vac, signal 0-10Vdc) with fail safe, strainer and F&T condensate trap.

It is also including a wall mounting bracket, water supply braided hose and drain connection sleeve 1-1/4in [DN32].

Supply voltage is 120Vac/1ph, 50/60Hz.

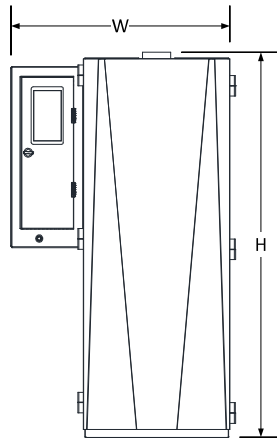
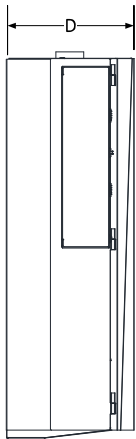
It has never been so easy and simple to install a steam exchange humidifier.

Thanks to its unique & patent pending vertical heat exchanger ISE is the only steam exchange humidifier on the market that can use city (tap) water with a steam cylinder that can be opened and cleaned in minutes without the need of tool.

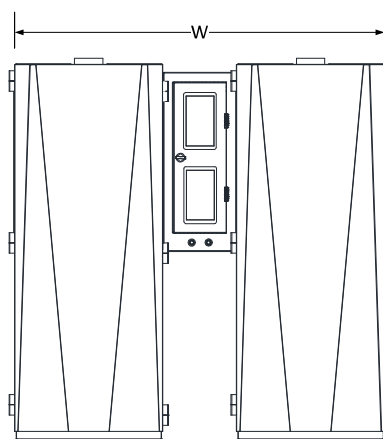


TECHNICAL DATA [PRESSURIZED STEAM]

| Model | ISE30 | ISE70 | ISE120 | ISE170 | ISE220 | ISE300 | ISE400 | ISE600 | |
|--|----------------|---------------|---------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|
| Capacity (lb/h) [kg/h] <i>stainless steel heat exchanger</i> | 5PSI [34kPa] | 4lb/h [1.8] | 9lb/h [4.1] | 16lb/h [7.2] | 23lb/h [10.4] | 29lb/h [13.1] | 40lb/h [18.1] | 48lb/h [21.8] | 80lb/h [36.3] |
| | 10PSI [69Kpa] | 15lb/h [6.8] | 35lb/h [15.9] | 60lb/h [27.2] | 85lb/h [38.6] | 110lb/h [50.0] | 150lb/h [68.1] | 200lb/h [90.9] | 300lb/h [136.3] |
| | 15PSI [103kPa] | 30lb/h [13.6] | 70lb/h [31.8] | 120lb/h [54.5] | 170lb/h [77.2] | 220lb/h [100.0] | 300lb/h [136.3] | 400lb/h [182.0] | 600lb/h [272.7] |
| Cylinder Qty & Size | 1x small | 1x medium | | | 1x large | | 2x larges | | |



ISE30 to 220



ISE300 to 600

| Model | ISE30 | ISE70 | ISE120 | ISE170 | ISE220 | ISE300 | ISE400 | ISE600 |
|---------------------------|-------|----------------|-------------|------------|-------------|-----------------|-------------|----------------|
| Dimensions (in) [mm] | W | 20in [508] | 28in [711] | | 46in [1169] | 63-3/4in [1619] | | |
| | H | 32in [813] | 48in [1219] | | 48in [1219] | 53in [1346] | | |
| | D | 13in [330] | 16in [406] | | 16in [406] | 26in [660] | | |
| Steam outlet (in) [mm] | Qty | 1x | 1x | 1x | 1x | 1x | 2x | 2x |
| | Ø | 1-1/2in [DN40] | 2in [DN50] | 3in [DN80] | 3in [DN80] | 3-1/2in [DN90] | 4in [DN100] | 3-1/2in [DN90] |
| Weight (lb) [kg] | Net | 60lb [27] | 85lb [39] | | 120lb [55] | 240lb [109] | | |
| | Oper | 110lb [50] | 175lb [79] | | 240lb [109] | 480lb [190] | | |

LIST OF OPTIONS

- Floor mounting rack
- Roof top weather proof enclosure (IP65)
- BACnet remote control