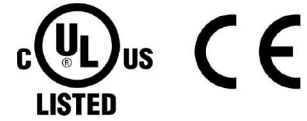


# ISE

## STEAM EXCHANGE HUMIDIFIER



**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 400lb/h [1.8 to 182kg/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 MS-TP (RS485)
- 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.

### 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
- WIFI remote access with your phone or tablet .
- Internal hydraulic circuit without check valve prone to block in open or closed position.

### DESIGN & PRODUCTION

Proudly designed and made in Canada by a dedicated team combining more than 35 years of experience in humidification.

### 3 YEARS WARRANTY

Industry longest!

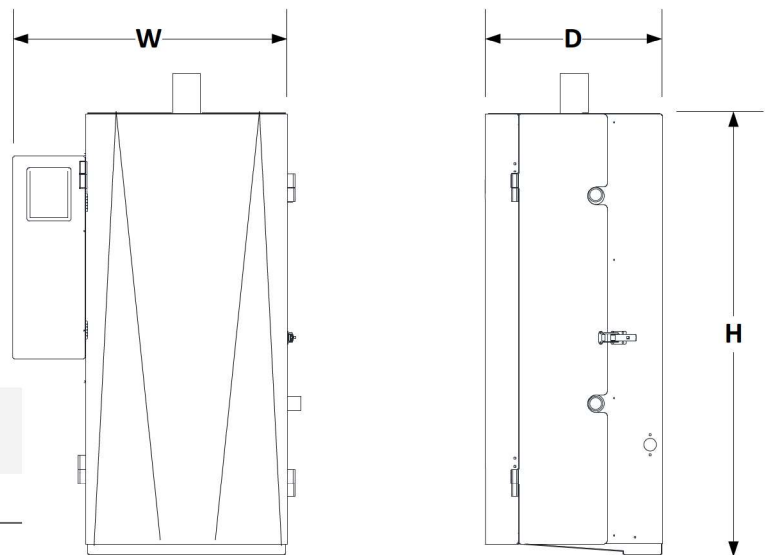
**Condition:** start-up report without non-conformance done by authorized steamOvap local representative.

# TECHNICAL DATA

Model	ISE30	ISE60	ISE100	ISE150	ISE200	ISE300	ISE400
<b>Capacity (lb/h) [kg/h]</b>							
<b>5PSI [34kPa]</b>	4 [1.8]	7 [3.2]	12 [5.4]	18 [8.2]	24 [10.9]	36 [16.3]	48 [21.8]
<b>10PSI [69Kpa]</b>	15 [6.8]	30 [13.6]	50 [22.7]	75 [34.0]	100 [45.4]	150 [68.2]	200 [90.9]
<b>15PSI [103kPa]</b>	30 [13.6]	60 [27.3]	100 [45.5]	150 [68.2]	200 [90.9]	300 [136.4]	400 [181.8]
<b>Steam Outlet Qty &amp; Diam. (in) [mm]</b>	1x 1-1/2in [DN40]	2x 2in [DN50]	1x 2-1/2in [DN65]	1x 3in [DN80]	1x 3-12in [DN90]	2x 3in [DN80]	2x 3-12in [DN90]

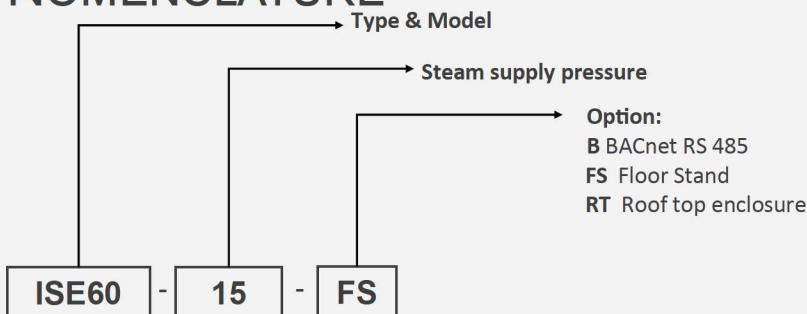
Supplied with electric control modulating actuated valve (24Vac, signal 0-10Vdc) with fail safe, and F&T condensate trap.  
 Supply voltage 120Vac/1ph or 240Vac/1ph, 50/60Hz, 2.2Amp.  
 Wall mounting bracket included.

# TECHNICAL DRAWINGS



Model	Dimensions (in) [mm]		
	W	H	D
ISE30	20 [650]	25 [650]	13 [400]
ISE60	23 [575]	30 [750]	18 [450]
ISE100 to 200	27-1/4 [682]	40 [1000]	18 [450]
ISE300 & 400	48 [1200]	48 [1200]	18 [450]

# NOMENCLATURE



# LIST OF OPTIONS

- Built-in or remote mounting Space blower (available on models ISE30 to 200)
- Floor mounting rack
- BACnet RS485
- Roof top enclosure