

Steam Injection humidifiers use steam from an external source, such as an in-house boiler or a district steam system. These stainless-steel humidifiers consist of water/steam separator, proportional control valve and steam jacketed distribution tube made of stainless steel (Insulation in need). On the steam distribution pipe there are number of special designed nozzles (tubes) depending on capacity. According to this design of steam pipe condensate inside the steam vol able to escape in the duct or AHU.

There are two types of steam injection humidifiers, Standard or Clean-Steam. Clean-Steam Humidifiers are useful for sensitive environments. Because DI steam is so active all parts of humidifiers which contact steam are made from stainless steel

## Single Tube Humidifier

Single-tube humidifiers are preassembled and suitable for small-capacity applications where available non-wetting distance is not critical. Non- wetting distance is % 90 RH and approximately 3-5 meters.



### Capacity values

Model	Kv*	Stream pressure (kPa)	Capacity (kg/h)	Code
5-60	1.3	103	22	40102105
6-70	3.8	103	61	40102106
7-70	8.1	103	112	40102107
8-80	23.8	103	273	40102108

\* You can contact our company for capacity determination at different Kv factors and vapor pressure.

### Standard Distribution Pipe Lengths

Pipe Type	152	305	457	610	762	914	1219	1524	1829	2134	2438	2743	3048	3352	3658
60	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
70			X	X	X	X	X	X	X	X	X	X	X	X	X
80						X	X	X	X	X	X	X	X	X	X

### Single-tube humidifier

