

Bulletin - next generation HBX-DX-SS VQ-Sensors mk2

New knowledge and wishes from the market for measuring Low Vapor Quality have resulted in a new design optimized for measuring both HI and LOW VQ, next generation VQ sensors from HB Products measure from "X" wet 0.2 to dry 1.0. The sensor is also less influenced by Oil accumulation during low load.

Change:

1. The sensor tube material is now made in Stainless Steel AISI 304, code "SS".
2. The sensor rod is changed to a solid rod and a PEEK centering bush.
3. Electronic head is change from treaded to a Union connection for easy removal and mounting.
4. The sensor is designed for any Flow direction.
5. Union connection between mechanical and electrical part is now standard
6. Sensor size is now from 1/2" to maximum 2 1/8" (DN50)
7. Sensor size is now with over sized tubes, CO2 is designed with next size tubing.

HFO / HFC / PROPAN is designed two pipe size up.

CO2: Tube size 3/8" is change to 1/2"tube 1 1/8" is change to 1 3/8"

HFO: Tube size 1/4" is change to 1/2"tube 1 1/8" is change to 1 5/8"

Ordering:

System piping size, type of refrigerant, only sensor mode or with direct PI-Control with cable out and type of expansion valve.

Comes with reducer bushings that fit copper tube type K65, pressure rating 120bar.

Note:

- All sensors are with temperature/pressure compensation acc. to the operation range.
- The sensor is calibrated for HI-VQ measuring with PLUG & PLAY operation on all type DX evaporators (zero Super-Heat operation).
- Settings for LOW-VQ range is possible by the HB-TOOL.

Example:

HBX-DX/S-SS-1/2

System Pipe size

S = Stepper motor

C = 4-20mA modulating valve

PWM = Pulse modulating valve

None = Only Sensor mode



Next page shows how to install the sensor

