**SpiroCross – Low Loss Header**

**XC100FM**

**DN 100 - flanged version (PN 16)**

**SpiroCross:**

Low Loss Header with integrated air and (magnetic) dirt separation.

3 functions combined in one unit:

* **Function 1:**

SpiroCross - Hydraulic separator for heating and cooling circuits. Balancing through the Spirotube in the base tube / housing. Spirotubes in the open manifold will damp and balance the primarily and secondarily water flow, in contrast to open manifolds without any resistance.

* **Function 2:**

SpiroVent - Micro-bubble deaerator for continuous removal of air and micro-bubbles from heating and cooling circuits. Degassing through the Spirotubes. Air separation with a permanent leak free automatic air vent. Air height safety margin of minimal 120 mm

* **Function 3:**

SpiroTrap & Magnet - Dirt separator for continuous removal of magnetic dirt and sludge particles from heating and cooling circuits - Separation of (magnetic) dirt & sludge down to a particle size of 5 micrometers by the Spirotube – Flushing of the unit possible while the system is working.

* Air and (magnetic) dirt separator are placed perpendicular to the base tube / housing.
* Spirotubes completely fill the base tube / housing for an optimum hydraulic balance in the system.
* All incoming and outgoing pipes are equipped & capped with 1/2 inch plug holes for temperature measurement.
* The air-vent is engineered to contain a clean water chamber at the top of the unit against dirt contamination of the valve seat.

**Technical data:**

* Nominal diameter: DN 100
* Pipe connections: flange PN 16 (EN 1092-1 PN16)
* Housing: Carbon steel
* installation length: 475 mm
* Max. operating pressure: 10 bar
* Max. operating temperature: 110 °C
* Max. flow: 47 m3/h
* Medium water and water/glycol (50/50%)
* Weight: 57 kg
* Manufacturer warranty: 5 years

**Make:** Spirotech bv

**Type:** SpiroCross DN 100 - flanged

**Article no.:** XC100FM

**Optional:**

Half-shells Insulation made of PUR rigid foam (Art. Number: TBX100A01).

**Spirotech BV**

Churchill-laan 52   
5705 BK Helmond

Netherlands Homepage: www.spirotech.com