

SPIROCOMBI[®] MAGNET

Optimal air and dirt removal



Industry-leading
5 year guarantee



Energy saving



Highly efficient
air and dirt removal



Quick, easy cleaning
without mess



Unique, high-powered
magnet



Protects critical
system components

SPIROCOMBI[®] MAGNET

SpiroCombi Magnet is installed inline and continuously removes microbubbles and dirt particles from the system fluid. This provides optimal system performance as well as protection for costly system components. Available in standard sizes DN50 up to DN300. Larger connections on request.

Today's highly energy-efficient heating and cooling systems offer optimal performance with water that is free of air and dirt. In untreated systems, air may cause problems such as flow interruptions or even a complete system breakdown. Dirt consists mainly of magnetite, that can accumulate wherever a magnetic field is present. In valves, for example, or heat exchangers, pipes, radiators, pumps and calorimeters. Next to costs associated with repairs, parts and downtime, contamination also leads to reduced system performance and, therefore, higher energy costs.

SpiroCombi is available next to the separate SpiroVent deaerators and SpiroTrap dirt separators. System characteristics determine the best option; two individual separators or a single combined unit. Generally speaking, a SpiroCombi is preferred for cooling systems. For the fastest removal of magnetite, SpiroCombi Magnet is added to the existing range of combined air and dirt separators.

EFFECTIVE, SAFE, COMPACT AND EASY TO USE

The Spirotube separation element ensures effective separation of air and dirt with minimal pressure drop. The reliable venting mechanism is leak-free and guarantees continuous deaeration. The dry pocket magnet enables extra rapid removal of magnetite. Collected dirt can be removed quickly, easily and without mess using a drag mechanism. The easy-to-clean magnet remains safely inside the



SpiroCombi Magnet

unit and always remains correctly mounted. The robust device's compact design means minimal height is required for installation. The energy saving properties of Spirotech's air and dirt separators have been extensively tested and demonstrated by several independent bodies, including Kiwa Gastec, TNO and BSRIA.

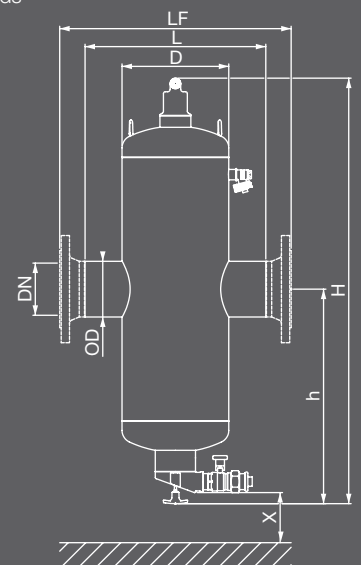
SPIROCOMBI[®] MAGNET deaerator and dirt separator, steel, flanged and weld ends

Article number	DN (mm)	OD (mm)	H (mm)	h (mm)	D (mm)	LF/L (mm)	X (mm)	Nom. Flow rate (m ³ /h)	Δp at nom. flow (kPa)	Volume (ltr)	Weight FM/LM (kg)
BC050*	50	60.3	713	352	159	350/260	330	12.5	3.0	7	19/14
BC065*	65	76.1	713	352	159	350/260	330	20	2.9	7	20/14
BC080*	80	88.9	873	440	219	470/370	370	27	3.1	25	35/27
BC100*	100	114.3	873	440	219	475/370	370	47	3.7	25	36/27
BC125*	125	139.7	1187	627	324	635/525	540	72	4.2	75	75/63
BC150*	150	168.3	1187	627	324	635/525	540	108	4.9	75	78/64
BC200*	200	219.1	1515	810	406	775/650	700	180	5.8	155	142/120
BC250*	250	273.0	1837	933	508	890/750	750	288	7.0	305	206/175
BC300*	300	323.9	2156	1095	610	1005/850	900	405	7.8	500	320/278

Max. op. pressure 10 bar Fluid temp. 0 - 110°C Nom. flow velocity 1.5 m/s Flanges: PN16

* for flanges, add FM (e.g. BC050FM), for weld ends, add LM (e.g. BC050LM)

≥ DN200: 2 dry pockets



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