

DEAERATORS AND DIRT SEPARATORS

# SPIROCOMBI®



Industry leading  
up to 20-year guarantee



Energy saving



Highly efficient  
air and dirt removal



Quick, easy cleaning



Unique, high-powered  
magnet



Protects critical  
system components

All images used are for illustrative purposes only. Individual features like material used (i.e. brass or steel) may vary, as may guarantee.

# SPIROCOMBI®



## BENEFITS OF SPIROCOMBI

- Removes circulating air and microbubbles effectively
- Very small particles, from 5 µm (= 0.005 mm), are separated and removed
- Dirt can be discharged while the system is in operation
- No shut-off valves or bypass required
- Constant low pressure drop
- Exceptional guarantee

### SPIROCOMBI DEAERATORS AND DIRT SEPARATORS

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 failure. Dirt consists mainly of magnetite, that can accumulate wherever a magnetic field is present. In valves 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.

Spirotech offers an extensive range of SpiroCombi deaerators/dirt separators, especially designed for the simultaneous removal of air and dirt. These remove air, microbubbles and dirt particles from system water continuously.

### EFFECTIVE, SAFE, COMPACT AND EASY TO USE

System characteristics determine the best option; two individual separators or a single combined unit. For the fastest removal of magnetite, SpiroCombi Magnet has been added to the existing range of combined air and dirt separators.

The Spirotube separation element ensures effective separation of air and dirt with a minimal pressure drop. The reliable venting mechanism is leak-free and guarantees effective deaeration. The dry pocket magnet increases the magnetite removal substantially and features an excellent first pass efficiency. Collected dirt can be removed quickly, easily and without mess using a drag mechanism. The easy-to-clean magnet resides safely inside the unit and always remains correctly mounted. The robust device's compact design means minimal height is required for installation.



# SPIROCOMBI®

Brass solution

## SPIROCOMBI® MB3 – Brass solution with magnet and universal connection

STANDARD

| Art.-No. | Connection<br>d | H    | b    | B    | L    | D    | h    | h1   | e2 | x    | y    | Nom. flow<br>rate | Nom. flow<br>rate | Volume | Weight |
|----------|-----------------|------|------|------|------|------|------|------|----|------|------|-------------------|-------------------|--------|--------|
|          |                 | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] |    | [mm] | [mm] | [m³/h]            | [l/s]             | [ltr]  | [kg]   |
| UC022WJ  | 22 mm           | 272  | 123  | 141  | 120  | 84   | 123  | 149  | R½ | >100 | >75  | 1,3               | 0,36              | 0,53   | 2,49   |
| UC028WJ  | 28 mm           | 272  | 126  | 149  | 120  | 84   | 123  | 149  | R½ | >100 | >75  | 2,0               | 0,55              | 0,53   | 2,60   |
| UC075WJ  | Rp¾             | 272  | 125  | 142  | 100  | 84   | 123  | 149  | R½ | >100 | >75  | 1,3               | 0,36              | 0,53   | 2,41   |
| UC100WJ  | Rp1             | 272  | 129  | 152  | 100  | 84   | 123  | 149  | R½ | >100 | >75  | 2,0               | 0,55              | 0,53   | 2,57   |
| UC125WJ  | Rp1¼            | 406  | 138  | 162  | 128  | 84   | 174  | 232  | R½ | >100 | >75  | 3,6               | 1,00              | 1,47   | 5,20   |
| UC150WJ  | Rp1½            | 406  | 141  | 168  | 128  | 84   | 174  | 232  | R½ | >100 | >75  | 5,0               | 1,38              | 1,52   | 5,30   |
| UC200WJ  | Rp2             | 406  | 148  | 183  | 128  | 84   | 174  | 232  | R½ | >100 | >75  | 7,5               | 2,08              | 1,61   | 5,40   |



Op. pressure  
max. 10 bar



Temperature  
max. 110 °C



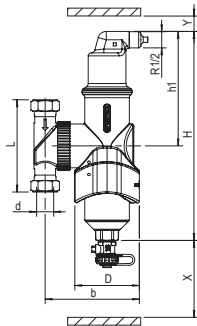
Nom. flow velocity  
1 m/s



with magnet



Suitable for cooling systems



SPIROCOMBI  
MB3

**SPIROCOMBI®** – Steel solution with magnet – standard flow

STANDARD

| Art.-No. | DN   | OD    | H     | h1    | h     | D    | L/LF  | e1 | ext. | e   | int. | e2 | ext. | x    | xr   | y    | Nom. flow rate | Nom. flow rate | Δp at nom. flow | Volume | Weight |
|----------|------|-------|-------|-------|-------|------|-------|----|------|-----|------|----|------|------|------|------|----------------|----------------|-----------------|--------|--------|
|          | [mm] | [mm]  | [mm]  | [mm]  | [mm]  | [mm] | [mm]  |    |      |     |      |    |      | [mm] | [mm] | [mm] | [m³/h]         | [l/s]          | [kPa]           | [ltr]  | [kg]   |
| BC050LM  | 50   | 60,3  | 712   | 361   | 351   | 159  | 260   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >75  | 330  | >50  | 12,50          | 3,47           | 3,0             | 7,0    | 12,0   |
| BC050FM  | 50   | 60,3  | 712   | 361   | 351   | 159  | 350   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >75  | 330  | >50  | 12,50          | 3,47           | 3,0             | 7,0    | 16,0   |
| BC065LM  | 65   | 76,1  | 712   | 361   | 351   | 159  | 260   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >75  | 330  | >50  | 20,00          | 5,56           | 2,9             | 7,0    | 12,0   |
| BC065FM  | 65   | 76,1  | 712   | 361   | 351   | 159  | 350   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >75  | 330  | >50  | 20,00          | 5,56           | 2,9             | 7,0    | 18,0   |
| BC080LM  | 80   | 88,9  | 858   | 434   | 424   | 219  | 370   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >100 | 370  | >50  | 27,00          | 7,50           | 3,1             | 25,0   | 24,0   |
| BC080FM  | 80   | 88,9  | 858   | 434   | 424   | 219  | 470   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >100 | 370  | >50  | 27,00          | 7,50           | 3,1             | 25,0   | 31,0   |
| BC100LM  | 100  | 114,3 | 858   | 434   | 424   | 219  | 370   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >100 | 370  | >50  | 47,00          | 13,06          | 3,7             | 25,0   | 24,0   |
| BC100FM  | 100  | 114,3 | 858   | 434   | 424   | 219  | 475   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >100 | 370  | >50  | 47,00          | 13,06          | 3,7             | 25,0   | 32,0   |
| BC125LM  | 125  | 139,7 | 1.149 | 559   | 590   | 324  | 525   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >100 | 540  | >50  | 72,00          | 20,00          | 4,2             | 75,0   | 59,0   |
| BC125FM  | 125  | 139,7 | 1.149 | 559   | 590   | 324  | 635   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >100 | 540  | >50  | 72,00          | 20,00          | 4,2             | 75,0   | 71,0   |
| BC150LM  | 150  | 168,3 | 1.149 | 559   | 590   | 324  | 525   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >100 | 540  | >50  | 108,00         | 30,00          | 4,9             | 75,0   | 59,0   |
| BC150FM  | 150  | 168,3 | 1.149 | 559   | 590   | 324  | 635   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >100 | 540  | >50  | 108,00         | 30,00          | 4,9             | 75,0   | 74,0   |
| BC200FM  | 200  | 219,1 | 1.479 | 706   | 773   | 406  | 775   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >100 | 700  | >50  | 180,00         | 50,00          | 5,8             | 150,0  | 133,0  |
| BC250FM  | 250  | 273,0 | 1.801 | 905   | 896   | 508  | 890   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >100 | 750  | >50  | 288,00         | 80,00          | 7,0             | 300,0  | 197,0  |
| BC300FM  | 300  | 323,9 | 2.119 | 1.061 | 1.058 | 610  | 1.005 | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >100 | 900  | >50  | 405,00         | 112,50         | 7,8             | 500,0  | 319,0  |



Op. pressure  
max. 10 bar



Temperature  
max. 110 °C



Nom. flow velocity  
1.5 m/s

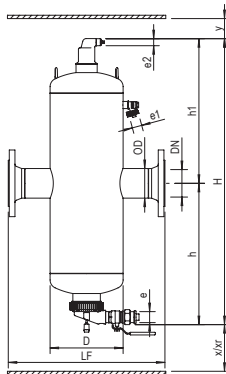


with magnet

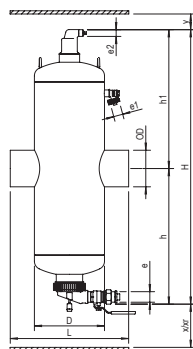


Suitable for cooling systems

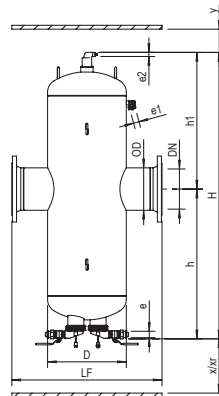
L = Weld ends / F = Flange design (PN 16) / M = Magnet



SPIROCOMBI  
FLANGE DESIGN



SPIROCOMBI WELD  
ENDS DESIGN



SPIROCOMBI FLANGE  
DESIGN FROM DN 200

STANDARD

**SPIROCOMBI®** – Steel solution – standard flow

| Art.-No. | DN  | OD    | H     | h1    | h   | D   | L/LF  | e1 | ext. | e   | int. | e2 | ext. | x    | y   | Nom. flow rate | Nom. flow rate | Δp at nom. flow | Volume | Weight |
|----------|-----|-------|-------|-------|-----|-----|-------|----|------|-----|------|----|------|------|-----|----------------|----------------|-----------------|--------|--------|
|          |     |       |       |       |     |     |       |    |      |     |      |    |      |      |     |                |                |                 |        |        |
| BC050L   | 50  | 60,3  | 630   | 365   | 265 | 159 | 260   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50 | 12,50          | 3,47           | 3,0             | 7,0    | 12,0   |
| BC050F   | 50  | 60,3  | 630   | 365   | 265 | 159 | 350   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50 | 12,50          | 3,47           | 3,0             | 7,0    | 17,0   |
| BC065L   | 65  | 76,1  | 630   | 365   | 265 | 159 | 260   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50 | 20,00          | 5,56           | 2,7             | 7,0    | 12,0   |
| BC065F   | 65  | 76,1  | 630   | 365   | 265 | 159 | 350   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50 | 20,00          | 5,56           | 2,7             | 7,0    | 18,0   |
| BC080L   | 80  | 88,9  | 785   | 440   | 345 | 219 | 370   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50 | 27,00          | 7,50           | 2,9             | 25,0   | 24,0   |
| BC080F   | 80  | 88,9  | 785   | 440   | 345 | 219 | 470   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50 | 27,00          | 7,50           | 2,9             | 25,0   | 31,0   |
| BC100L   | 100 | 114,3 | 785   | 440   | 345 | 219 | 370   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50 | 47,00          | 13,06          | 3,7             | 25,0   | 24,0   |
| BC100F   | 100 | 114,3 | 785   | 440   | 345 | 219 | 475   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50 | 47,00          | 13,06          | 3,7             | 25,0   | 33,0   |
| BC125L   | 125 | 139,7 | 1.035 | 560   | 475 | 324 | 525   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50 | 72,00          | 20,00          | 4,2             | 75,0   | 58,0   |
| BC125F   | 125 | 139,7 | 1.035 | 560   | 475 | 324 | 635   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50 | 72,00          | 20,00          | 4,2             | 75,0   | 70,0   |
| BC150L   | 150 | 168,3 | 1.035 | 560   | 475 | 324 | 525   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50 | 108,00         | 30,00          | 4,9             | 75,0   | 58,0   |
| BC150F   | 150 | 168,3 | 1.035 | 560   | 475 | 324 | 635   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50 | 108,00         | 30,00          | 4,9             | 75,0   | 73,0   |
| BC200F   | 200 | 219,1 | 1.315 | 700   | 615 | 406 | 775   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50 | 180,00         | 50,00          | 5,8             | 150,0  | 135,0  |
| BC250F   | 250 | 273,0 | 1.730 | 900   | 830 | 508 | 890   | G¾ | (M)  | Rp2 | (F)  | R½ | (M)  | >200 | >50 | 288,00         | 80,00          | 6,9             | 300,0  | 252,0  |
| BC300F   | 300 | 323,9 | 2.025 | 1.055 | 970 | 610 | 1.005 | G¾ | (M)  | Rp2 | (F)  | R½ | (M)  | >200 | >50 | 405,00         | 112,50         | 7,7             | 500,0  | 325,0  |



Op. pressure  
max. 10 bar



Temperature  
max. 110 °C



Nom. flow velocity  
1.5 m/s

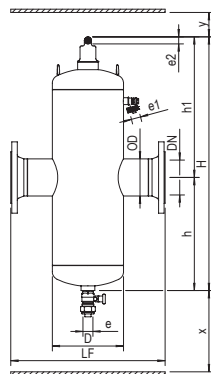


without magnet

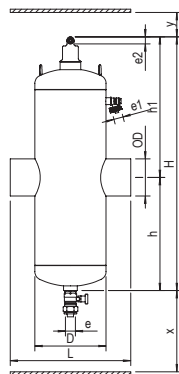


Suitable for cooling systems

L = Weld ends / F = Flange design (PN 16)



SPIROCOMBI  
FLANGE DESIGN



SPIROCOMBI  
WELD ENDS

Products in the range are available up to DN800 and are made to order – prices on application.

**SPIROCOMBI®** – Demountable steel solution – standard flow

**SPECIAL**

| Art.-No. | DN  | OD    | H     | h1    | h    | D    | L/LF  | DF   | e1 | ext. | e   | int. | e2 | ext. | x      | y    | Nom. flow rate | Nom. flow rate | Δp at nom. flow | Volume | Weight |
|----------|-----|-------|-------|-------|------|------|-------|------|----|------|-----|------|----|------|--------|------|----------------|----------------|-----------------|--------|--------|
|          |     | [mm]  | [mm]  | [mm]  | [mm] | [mm] | [mm]  | [mm] |    |      |     |      |    |      | [mm]   | [mm] | [m³/h]         | [l/s]          | [kPa]           | [ltr]  | [kg]   |
| BD050L   | 50  | 60,3  | 630   | 365   | 265  | 159  | 260   | 285  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >510   | >50  | 12,50          | 3,47           | 3,0             | 7,0    | 30,0   |
| BD050F   | 50  | 60,3  | 630   | 365   | 265  | 159  | 350   | 285  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >510   | >50  | 12,50          | 3,47           | 3,0             | 7,0    | 35,0   |
| BD065L   | 65  | 76,1  | 630   | 365   | 265  | 159  | 260   | 285  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >510   | >50  | 20,00          | 5,56           | 2,7             | 7,0    | 30,0   |
| BD065F   | 65  | 76,1  | 630   | 365   | 265  | 159  | 350   | 285  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >510   | >50  | 20,00          | 5,56           | 2,7             | 7,0    | 36,0   |
| BD080L   | 80  | 88,9  | 785   | 440   | 345  | 219  | 370   | 340  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >660   | >50  | 27,00          | 7,50           | 2,9             | 25,0   | 50,0   |
| BD080F   | 80  | 88,9  | 785   | 440   | 345  | 219  | 470   | 340  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >660   | >50  | 27,00          | 7,50           | 2,9             | 25,0   | 58,0   |
| BD100L   | 100 | 114,3 | 785   | 440   | 345  | 219  | 370   | 340  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >660   | >50  | 47,00          | 13,06          | 3,7             | 25,0   | 50,0   |
| BD100F   | 100 | 114,3 | 785   | 440   | 345  | 219  | 475   | 340  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >660   | >50  | 47,00          | 13,06          | 3,7             | 25,0   | 60,0   |
| BD125L   | 125 | 139,7 | 1.035 | 560   | 475  | 324  | 525   | 460  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >920   | >50  | 72,00          | 20,00          | 4,2             | 75,0   | 110,0  |
| BD125F   | 125 | 139,7 | 1.035 | 560   | 475  | 324  | 635   | 460  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >920   | >50  | 72,00          | 20,00          | 4,2             | 75,0   | 123,0  |
| BD150L   | 150 | 168,3 | 1.035 | 560   | 475  | 324  | 525   | 460  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >920   | >50  | 108,00         | 30,00          | 4,9             | 75,0   | 110,0  |
| BD150F   | 150 | 168,3 | 1.035 | 560   | 475  | 324  | 635   | 460  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >920   | >50  | 108,00         | 30,00          | 4,9             | 75,0   | 126,0  |
| BD200F   | 200 | 219,1 | 1.315 | 700   | 615  | 406  | 775   | 580  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >1.200 | >50  | 180,00         | 50,00          | 5,8             | 150,0  | 225,0  |
| BD250F   | 250 | 273,0 | 1.730 | 900   | 830  | 508  | 890   | 715  | G¾ | (M)  | Rp2 | (F)  | R½ | (M)  | >1.600 | >50  | 288,00         | 80,00          | 6,9             | 300,0  | 364,0  |
| BD300F   | 300 | 323,9 | 2.025 | 1.055 | 970  | 610  | 1.005 | 840  | G¾ | (M)  | Rp2 | (F)  | R½ | (M)  | >1.900 | >50  | 405,00         | 112,50         | 7,7             | 500,0  | 563,0  |



Op. pressure  
max. 10 bar



Temperature  
max. 110 °C



Nom. flow velocity  
1.5 m/s

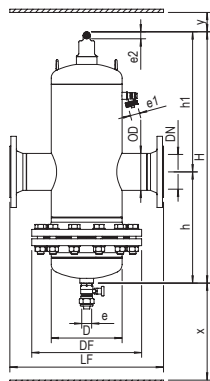


without magnet

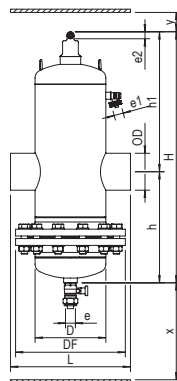


Suitable for cooling systems

L= Weld ends / F= Flange design (PN 16)



SPIROCOMBI  
DEMOUNTABLE  
HI-FLOW  
FLANGE DESIGN



SPIROCOMBI  
DEMOUNTABLE  
HI-FLOW  
WELD ENDS

**CUSTOM**

Please visit page 30 for further information on our custom products.

# SPIROCOMBI®

Steel solution

## SPIROCOMBI® – Steel solution – Hi-flow

SPECIAL

| Art.-No. | DN  | OD    | H     | h1    | h     | D    | L/LF  | e1 | ext. | e   | int. | e2 | ext. | x    | y    | Nom. flow rate | Nom. flow rate | Δp at nom. flow | Volume | Weight |
|----------|-----|-------|-------|-------|-------|------|-------|----|------|-----|------|----|------|------|------|----------------|----------------|-----------------|--------|--------|
|          |     | [mm]  | [mm]  | [mm]  | [mm]  | [mm] | [mm]  |    |      |     |      |    |      | [mm] | [mm] | [m³/h]         | [l/s]          | [kPa]           | [ltr]  | [kg]   |
| HC050L   | 50  | 60,3  | 910   | 505   | 405   | 159  | 260   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50  | 25,00          | 6,94           | 11,7            | 10,0   | 18,0   |
| HC050F   | 50  | 60,3  | 910   | 505   | 405   | 159  | 350   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50  | 25,00          | 6,94           | 11,7            | 10,0   | 23,0   |
| HC065L   | 65  | 76,1  | 910   | 505   | 405   | 159  | 260   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50  | 40,00          | 11,11          | 11,9            | 10,0   | 18,0   |
| HC065F   | 65  | 76,1  | 910   | 505   | 405   | 159  | 350   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50  | 40,00          | 11,11          | 11,9            | 10,0   | 24,0   |
| HC080L   | 80  | 88,9  | 1.145 | 620   | 525   | 219  | 370   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50  | 54,00          | 15,00          | 12,4            | 37,0   | 36,0   |
| HC080F   | 80  | 88,9  | 1.145 | 620   | 525   | 219  | 470   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50  | 54,00          | 15,00          | 12,4            | 37,0   | 43,0   |
| HC100L   | 100 | 114,3 | 1.145 | 620   | 525   | 219  | 370   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50  | 94,00          | 26,11          | 14,7            | 37,0   | 36,0   |
| HC100F   | 100 | 114,3 | 1.145 | 620   | 525   | 219  | 475   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50  | 94,00          | 26,11          | 14,7            | 37,0   | 45,0   |
| HC125L   | 125 | 139,7 | 1.570 | 825   | 745   | 324  | 525   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50  | 144,00         | 40,00          | 16,9            | 115,0  | 90,0   |
| HC125F   | 125 | 139,7 | 1.570 | 825   | 745   | 324  | 635   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50  | 144,00         | 40,00          | 16,9            | 115,0  | 102,0  |
| HC150L   | 150 | 168,3 | 1.570 | 825   | 745   | 324  | 525   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50  | 215,00         | 59,72          | 19,2            | 115,0  | 90,0   |
| HC150F   | 150 | 168,3 | 1.570 | 825   | 745   | 324  | 635   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50  | 215,00         | 59,72          | 19,2            | 115,0  | 105,0  |
| HC200F   | 200 | 219,1 | 1.995 | 1.040 | 955   | 406  | 775   | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >200 | >50  | 360,00         | 100,00         | 23,4            | 230,0  | 195,0  |
| HC250F   | 250 | 273,0 | 2.680 | 1.385 | 1.295 | 508  | 890   | G¾ | (M)  | Rp2 | (F)  | R½ | (M)  | >200 | >50  | 575,00         | 159,72         | 27,5            | 500,0  | 343,0  |
| HC300F   | 300 | 323,9 | 3.190 | 1.640 | 1.550 | 610  | 1.005 | G¾ | (M)  | Rp2 | (F)  | R½ | (M)  | >200 | >50  | 810,00         | 225,00         | 31,2            | 830,0  | 484,0  |



Op. pressure  
max. 10 bar



Temperature  
max. 110 °C



Nom. flow velocity  
3 m/s



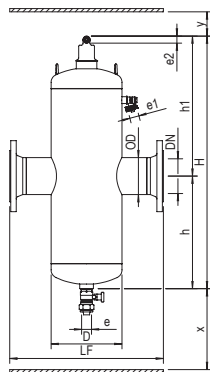
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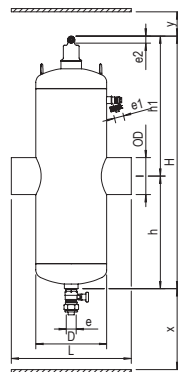
Suitable for cooling systems

L = Weld ends / F = Flange design (PN 16)

Products in the range are available up to DN800 and are made to order – prices on application.



SPIROCOMBI HI-FLOW  
FLANGE DESIGN



SPIROCOMBI HI-FLOW  
WELD ENDS

### CUSTOM

Please visit page 30 for further information on our custom products.

**SPIROCOMBI® – Demountable steel solution – Hi-flow**

**SPECIAL**

| Art.-No. | DN  | OD    | H     | h1    | h     | D    | L/LF  | DF   | e1 | ext. | e   | int. | e2 | ext. | x      | y    | Nom. flow rate | Nom. flow rate | Δp at nom. flow | Volume | Weight |
|----------|-----|-------|-------|-------|-------|------|-------|------|----|------|-----|------|----|------|--------|------|----------------|----------------|-----------------|--------|--------|
|          |     | [mm]  | [mm]  | [mm]  | [mm]  | [mm] | [mm]  | [mm] |    |      |     |      |    |      | [mm]   | [mm] | [m³/h]         | [l/s]          | [kPa]           | [ltr]  | [kg]   |
| HD050L   | 50  | 60,3  | 910   | 505   | 405   | 159  | 260   | 285  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >790   | >50  | 25,00          | 6,94           | 11,7            | 10,0   | 38     |
| HD050F   | 50  | 60,3  | 910   | 505   | 405   | 159  | 350   | 285  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >790   | >50  | 25,00          | 6,94           | 11,7            | 10,0   | 43     |
| HD065L   | 65  | 76,1  | 910   | 505   | 405   | 159  | 260   | 285  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >790   | >50  | 40,00          | 11,11          | 11,9            | 10,0   | 38     |
| HD065F   | 65  | 76,1  | 910   | 505   | 405   | 159  | 350   | 285  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >790   | >50  | 40,00          | 11,11          | 11,9            | 10,0   | 44     |
| HD080L   | 80  | 88,9  | 1.145 | 620   | 525   | 219  | 370   | 340  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >1.020 | >50  | 54,00          | 15,00          | 12,4            | 37,0   | 60     |
| HD080F   | 80  | 88,9  | 1.145 | 620   | 525   | 219  | 470   | 340  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >1.020 | >50  | 54,00          | 15,00          | 12,4            | 37,0   | 68     |
| HD100L   | 100 | 114,3 | 1.145 | 620   | 525   | 219  | 370   | 340  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >1.020 | >50  | 94,00          | 26,11          | 14,7            | 37,0   | 60     |
| HD100F   | 100 | 114,3 | 1.145 | 620   | 525   | 219  | 475   | 340  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >1.020 | >50  | 94,00          | 26,11          | 14,7            | 37,0   | 70     |
| HD125L   | 125 | 139,7 | 1.570 | 825   | 745   | 324  | 525   | 460  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >1.450 | >50  | 144,00         | 40,00          | 16,9            | 115,0  | 140    |
| HD125F   | 125 | 139,7 | 1.570 | 825   | 745   | 324  | 635   | 460  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >1.450 | >50  | 144,00         | 40,00          | 16,9            | 115,0  | 153    |
| HD150L   | 150 | 168,3 | 1.570 | 825   | 745   | 324  | 525   | 460  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >1.450 | >50  | 215,00         | 59,72          | 19,2            | 115,0  | 140    |
| HD150F   | 150 | 168,3 | 1.570 | 825   | 745   | 324  | 635   | 460  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >1.450 | >50  | 215,00         | 59,72          | 19,2            | 115,0  | 156    |
| HD200F   | 200 | 219,1 | 1.995 | 1.040 | 955   | 406  | 775   | 580  | G¾ | (M)  | Rp1 | (F)  | R½ | (M)  | >1.880 | >50  | 360,00         | 100,00         | 23,4            | 230,0  | 295    |
| HD250F   | 250 | 273,0 | 2.680 | 1.385 | 1.295 | 508  | 890   | 715  | G¾ | (M)  | Rp2 | (F)  | R½ | (M)  | >2.560 | >50  | 575,00         | 159,72         | 27,5            | 500,0  | 573    |
| HD300F   | 300 | 323,9 | 3.190 | 1.640 | 1.550 | 610  | 1.005 | 840  | G¾ | (M)  | Rp2 | (F)  | R½ | (M)  | >3.070 | >50  | 810,00         | 225,00         | 31,2            | 830,0  | 1.018  |



Op. pressure  
max. 10 bar



Temperature  
max. 110 °C



Nom. flow velocity  
3 m/s

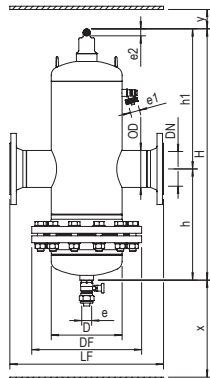


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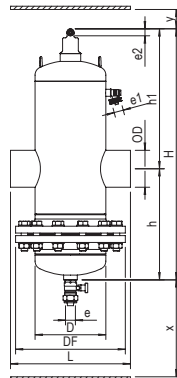


Suitable for cooling systems

L = Weld ends / F = Flange design (PN 16)



SPIROCOMBI  
DEMOUNTABLE  
HI-FLOW  
FLANGE DESIGN



SPIROCOMBI  
DEMOUNTABLE  
HI-FLOW  
WELD ENDS

**CUSTOM**

Please visit page 30 for further information on our custom products.