RBWCD

HORIZONTAL PRESSURE LEAF FILTER SYSTEMS

The amafilter® horizontal pressure leaf filter RBWCD is equipped with double sided stainless steel filter leaves which are individually mounted on a manifold located at the centre of the filter system. This allows for any number of leaves to be easily and quickly removed for maintenance or inspection.

The RBWCD horizontal pressure leaf filter system has been designed with an oscillating sluice pipe positioned above the filter leaf elements. This is used for discharging the cake

FEATURES AND BENEFITS

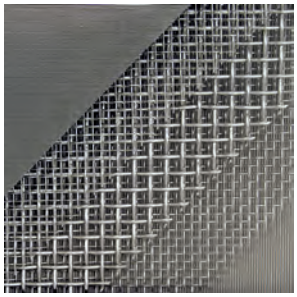
- The oscillating sluice is used to remove the wet cake from the filter leaf elements without the pressure leaf filter system being opened. The cake can be discharged as slurry through a nozzle at the bottom of the filter. This makes wet cake discharge easy and effortless.
- The carriage can be moved outside the filter making access easy for both maintenance and cake discharge. Limited space is also required unlike with a vertical system where space above the filter is a must.

STANDARD DESIGN DATA

Criteria	Detail
Tank Material	Carbon Steel (Stainless Steel optional)
Filter Elements Material	Stainless Steel
Design Pressure	-1/6 bar(g)
Desing Temperature	0/150 ºC
Max. allowable pressure drop	4.5 bar
Design and approval	PED 2014/68/EU: article 4 paragraph 3 U-stamp SELO 02257 (China) (optional) TRCU Other upon request

DIMENSIONS

Model	900	1250	1650	1850	2000
Tank diameter (mm)	900	1250	1650	1850	2000
Feed / Drain	DN80	1x/2x DN80	1x/2x DN100	2x DN100	2x/3x DN125
Filtrate outlet	DN100	DN100	DN100	DN150	DN150
Vent	DN50	DN50	DN80	DN80	DN80
Bottom flush	DN50	DN50	DN50	DN50	DN50



AMAFILTER® PRESSURE FILTER LEAVES

Our product range of vertical pressure leaf systems includes an extensive range of filter leaves designs suited for various applications, including food and beverages, chemical and sulphur.

The quality and condition of filter leaves can have a significant impact, not only on the productivity of the filtration system but also on its ability to achieve a high performance standard.

- Suitable for use with the amafilter® Versis® vertical pressure leaf filters.
- Stainless steel 304(L), 316(L), 904L or super duplex. Other alloy materials on request.
- Available in different mesh types and layer combinations.
- Extensive range of reinforced frame types with riveted, welded or bolted box profiles suited to the application
- Excellent pre-coating properties.
- High filtration efficiency, filtrate quality and flux rates.
- Double-sided, stainless steel rigid filter leaves.
- Each filter leave consists of five layers (ply) of stainless steel wire mesh.
- Low pressure-drop.
- Suitable for wet (with filter cloth) and dry cake discharge.
- The top layer of the screen can be customized to the application.
- Re-screening or replacement of filter leaves.

SPECIFICATIONS

Model	Filter Area	Cake volume	Filter leaves	Filter volume	Leaf spacing	Floor space	Height	Empty Weight	Feed Connections
	m^2	dm^3		dm^3	mm	mm	mm	kg	
900/5.5/7	5.5	165	7	800	100	1150 x 2550	1800	800	1
900/10/13	9.5	285	13	1100	100	1150 x 3750	1800	1100	1
1250/12/8	12.5	375	8	1300	100	1500 x 2800	2000	1500	1
1250/15/10	15	450	10	1800	100	1500 x 3200	2000	1700	1
1250/20/14	20	600	14	2300	100	1500 x 4000	2000	1900	1
1250/25/17	25	750	17	2700	100	1500 x 4600	2000	2050	2
1250/30/20	30	900	20	3100	100	1500 x 5200	2000	2200	2
1650/40/16	40	1200	16	4400	100	2000 x 4700	2400	2500	1
1650/50/20	50	1500	20	5200	100	2000 x 5500	2400	2750	2
1650/60/24	60	1800	24	6000	100	2000 x 6300	2400	2810	2
1650/70/28	70	2100	28	6800	100	2000 x 7100	2400	3000	2
1650/80/32	80	2400	32	7600	100	2000 x 7900	2400	3250	2
1850/100/28	100	3000	28	11000	100	2300 x 7200	2400	6500	2
1850/125/35	125	3750	35	13000	100	2300 x 8800	2800	7200	2
2000/150/36	150	4500	36	14000	100	2600 x 10000	2800	7800	2
200/175/42	175	5250	42	16000	100	2600 x 11200	3000	8150	3
200/200/48	200	6000	48	18000	100	2600 x 12400	3000	8500	3

Other models available upon request.
Dimensions are for reference only. Subject to technical alteration without prior notice.

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SCAN ME

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