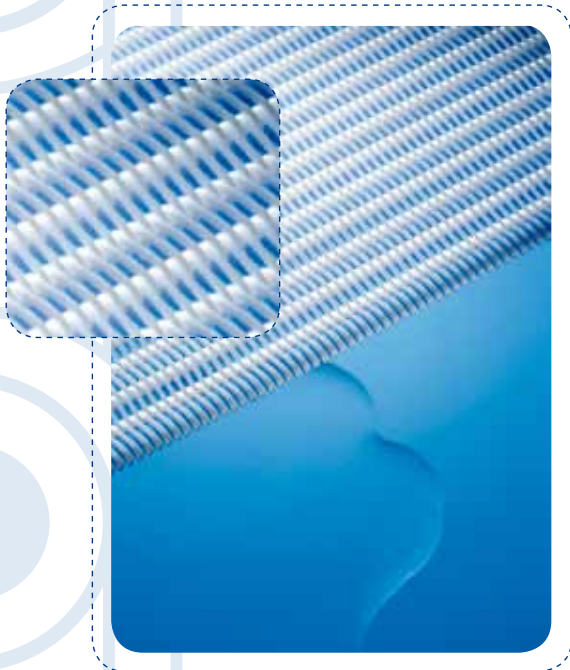


## About the product

Spiral screens are available in more than 12 different standart qualities. Adapted to your different fields of application, we will find the right solution, even special qualities are possible on request.

Our products are subject to a permanent optimisation and are continuously developed according to the latest trends.

# Spiral screens



- For belt filter presses of all makes
- Very high drainage capacity
- Impressive stability and strength
- High resistance against abrasion
- Short machine down times by quick infeed
- SEAMLESS - no weak points by „seams“
- Smooth operation properties
- Simple handling
- Repairable
- Optimal cost effectiveness

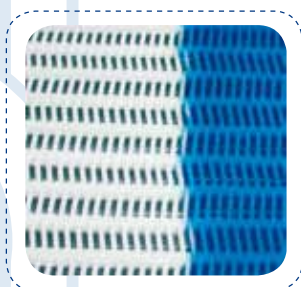
Spiral screens filled with flat monofiles (Types: FPF)



Spiral screens filled with round monofiles (Types: RPF)



Spiral screens unfilled (Types: OF)



The edges of our spiral screens are sealed with a newly developed special bonding agent ensuring a higher stability and a long life.

## A promising edge

We appreciate to give you advice

# Types and parameters

# Spiral screens

TYPES: 70F900, 7RPF600, 7RPF500, 7RPF400, 7FPF500, 7FPF400, 90F1000, 9RPF500

TYPE		70F900	7RPF600	7RPF500	7RPF400	7FPF500	7FPF400	90F1000	9RPF500
Diameter of yarns mm	warp	0.68/PET	0.68/PET	0.68/PET	0.68/PET	0.68/PET	0.68/PET	0.90/PET	0.90/PET
	weft	0.9/PET	0.90/PET+0.8*2	0.90/PET+0.7*3	0.90/PET+0.65*4	0.90/PET+0.65*1.6	0.90/PET+0.65*2.0	1.05/PET	1.05/PET+0.9*3
Threads of the yarns/10cm	warp	69±1	69±1	69±1	69±1	69±1	69±1	51±1	51±1
	weft	20±1	20±1	20±1	20±1	20±1	20±1	14±1	14±1
Air Permeability L/m <sup>2</sup>	127Pa	4550~4700	3450~3650	2900~3100	1800~1950	3500~3650	2780~2950	4650~4850	3270~3450
	200Pa	5750~6100	4450~4700	3800~4000	2350~2500	4500~4700	3500~3700	5950~6250	4050~4300
Water permeability	m <sup>3</sup> /m <sup>2</sup> .s	0.43~0.45	0.38~0.40	0.35~0.37	0.27~0.29	0.37~0.39	0.32~0.34	0.48~0.50	0.35~0.37
Water permeability Resistance *10 <sup>6</sup>	m <sup>-1</sup>	2.49~2.59	2.73~2.83	2.96~3.06	3.86~3.96	2.84~2.94	3.27~3.37	2.17~2.27	2.95~3.05
Maximum Ebullition Aperture	µm	8800	4889	6045	2933	7145	4400	10593	4400
Boiling Aperture	µm	7145	3813	4563	2200	5637	3433	8000	3520
Aperture contrast		0.81	0.78	0.75	0.75	0.79	0.78	0.76	0.80
Porosity Rate	%	58	51	51	44	48	47	60	50
Thickness	mm	2.40	2.40	2.40	2.40	2.40	2.40	3.12	3.12
Thickness Abrade Rate n=10 <sup>4</sup>	n=10 <sup>4</sup>	2.52	2.52	2.52	2.52	2.52	2.52	3.79	3.79
Tensile strengths	N/cm	890	890	890	890	890	890	1300	1300
Elongation rate	500kg/m	0.54	0.54	0.54	0.54	0.54	0.54	0.36	0.36
Weight g/m <sup>2</sup>	g/m <sup>2</sup>	1301	1521	1632	1743	1610	1660	1627	2017

TYPES: 9RPF400, 9RPF300, 9FPF500, 9FPF400, 100F1000, 10RPF500, 10RPF400

TYPE		9RPF400	9RPF300	9FPF500	9FPF400	100F1000	10RPF500	10RPF400
Diameter of yarns mm	warp	0.90/PET	0.90/PET	0.90/PET	0.90/PET	1.05/PET	1.05/PET	0.90/PET
	weft	1.05/PET+0.9*4	1.05/PET+0.8*5	1.05/PET+0.65*2.0	1.05/PET+0.70*2.3	1.05/PET	1.05/PET+0.9*4	1.05/PET+0.9*5
Threads of the yarns/10cm	warp	51±1	51±1	51±1	51±1	45±1	45±1	45±1
	weft	14±1	14±1	14±1	14±1	12±1	12±1	12±1
Air Permeability L/m <sup>2</sup>	127Pa	1900~2050	1450~1600	3600~3750	3150~3300	4850~5150	3600~3750	2900~3100
	200Pa	2480~2650	1950~2150	4450~4700	3950~4200	6200~6500	4500~4750	3750~3900
Water permeability	m <sup>3</sup> /m <sup>2</sup> .s	0.25~0.27	0.19~0.21	0.39~0.41	0.35~0.37	0.49~0.51	0.36~0.38	0.31~0.33
Water permeability Resistance *10 <sup>6</sup>	m <sup>-1</sup>	4.01~5.01	5.18~5.28	2.53~2.63	2.85~2.95	2.03~2.13	2.76~2.86	3.19~3.29
Maximum Ebullition Aperture	µm	2200	1467	7145	6168	12048	5378	3812
Boiling Aperture	µm	1956	1257	5148	4400	8800	4107	2654
Aperture contrast		0.89	0.86	0.72	0.71	0.73	0.76	0.70
Porosity Rate	%	47	44	53	52	63	52	49
Thickness	mm	3.12	3.12	3.12	3.12	3.50	3.50	3.50
Thickness Abrade Rate n=10 <sup>4</sup>	n=10 <sup>4</sup>	3.79	3.79	3.79	3.79	3.06	3.06	3.06
Tensile strengths	N/cm	1300	1300	1300	1300	1100	1100	1100
Elongation rate	500kg/m	0.36	0.36	0.36	0.36	0.90	0.90	0.90
Weight g/m <sup>2</sup>	g/m <sup>2</sup>	2147	2277	1905	1933	1698	2178	2298