



Technical data

Stainless steel AISI 316L / 1.4404

Temperature resistance: 500 °C oxidizing atmosphere / 650 °C reducing atmosphere

Filter grade	Density [g/cm ³]	Porosity [%]	Specific flow coefficient		Separation efficiency (liquid) 98 % [μm]	Porometer ø pore size [μm]	Bubble Point Pressure difference [Pa]	Shear strength [N/mm ²]	Tensile strength [N/mm ²]	Bending strength		
			laminar [m ²] x 10 ⁻¹²	turbulent [m] x 10 ⁻⁷						σ _{el} [N/mm ²]	σ _{0,1} [N/mm ²]	σ Breakage [N/mm ²]
R 1	5,9 - 6,3	21 - 26	0,2	0,1	4	1,1	6225	390	120	50	75	340
R 3	5,2 - 5,6	30 - 35	1	1	5	2,8	4245	320	110	50	70	310
R 7	5,0 - 5,4	32 - 37	2	6	9	4	3325	280	110	50	70	280
R 10	4,9 - 5,3	33 - 38	3	8	14	6	2535	240	100	50	70	230
R 14	4,7 - 5,1	36 - 41	5	15	18	8	1865	210	90	40	60	200
R 20	4,6 - 5,0	37 - 42	8	30	30	13	1475	180	80	30	40	190
R 35	4,5 - 4,9	38 - 43	15	45	37	20	1015	170	70	30	40	180
R 60	4,4 - 4,8	39 - 44	25	55	49	25	835	160	60	20	30	170
R 80	4,3 - 4,7	40 - 45	28	68	55	32	705	140	50	20	30	140
R 100	4,1 - 4,5	43 - 48	33	140	62	34	645	120	40	20	25	110
R 125	4,0 - 4,4	44 - 49	35	145	65	37	555	110	40	15	20	100
R 150	3,8 - 4,2	46 - 52	55	184	95	41	415	90	35	10	15	95
R 200	3,6 - 4,0	49 - 54	112	300	110	65	215	80	30	10	10	90
	EN ISO 2738	DIN ISO 30911-3		DIN ISO 4022	according to ISO 4572	ASTM E1294	DIN ISO 4003	DIN ISO 30911-6	according to EN ISO 2740			according to DIN ISO 3325

All stated values are mean values; the single values can differ according to the dimensions of the components.