

Filters in comparison

FLOW-THROUGH FILTER SYSTEMS

Flow through filters are used for medium-sized to large ponds or koi ponds. They stand above the water surface at the edge of the pond or above a watercourse. The water flows back into the pond via gravity.

Sets	Flow-through filters	UVC clarifier UVC power	Filter & watercourse pump	+ Aerators (accessories)	Suitable for pond volume in m ³			Item no.
Table explanations: In the marked rows you will find the complete filter sets. The other groupings are additional possible combinations for different requirements and pond sizes.								
BioSmart								
Set 5000	BioSmart 5000	7 W (UVC integrated)	FP 1500	–	5	2.5	1.3	50525
Set 7000	BioSmart 7000	9 W (UVC integrated)	FP 2500	–	7	3.5	1.7	50450
Set 14000	BioSmart 14000	11 W (UVC integrated)	FP 3500	–	14	7	3.5	50452
	BioSmart UVC 16000	11 W (UVC integrated)	AquaMax Eco Classic 2500	–	8	4	2	
	BioSmart UVC 16000	11 W (UVC integrated)	AquaMax Eco Classic 3500	–	14	7	3.5	
Set 18000	BioSmart 18000	Vitronic 18 W	AquaMax Eco Classic 5500	–	18	9	4.5	56778
Set 24000	BioSmart 24000	Vitronic 24 W	AquaMax Eco Classic 5500	–	24	12	6	56785
Set 36000	BioSmart 36000	Vitronic 36 W	AquaMax Eco Classic 11500	–	36	18	9	56793
	BioSmart 36000	Vitronic 36 W	AquaMax Eco Classic 8500	–	30	15	7.5	

The following were taken into consideration for the BioSmart Sets 5000/7000/14000/16000: 3 m ¼" hose and a delivery head of max. 0.5 m
 The following were taken into consideration for the BioSmart Sets 24000/36000: 5 m 1½" hose and a delivery head of max. 0.5 m

FiltoMatic								
CWS Set 7000	FiltoMatic CWS 7000	11 W (UVC integrated)	AquaMax Eco Premium 4000	–	7	3.5	1.8	50868
				+ OxyTex Set 500	8.5	4.5	2.3	
CWS Set 14000	FiltoMatic CWS 14000	24 W (UVC integrated)	AquaMax Eco Premium 6000	–	14	7	3.5	50870
				+ OxyTex Set 1000	17	8.5	4.5	
CWS Set 25000	FiltoMatic CWS 25000	24 W (UVC integrated)	AquaMax Eco Premium 8000	–	25	12.5	7	50873
				+ OxyTex Set 2000	31	15.5	8.5	

Delivery heads ranging from 0 to 1.2 m and hose length of 5 m with a hose diameter of 1½" were taken into consideration for the pond size information cited above (FiltoMatic CWS).
 Larger pumps should be used for longer hose lengths and/or greater delivery heads. Clear Water Guarantee as specified by Secchi to a visual depth of 1 m.

Sets	Flow-through filters	UVC clarifier UVC power	Filter & watercourse pump	+ Aerators (accessories)	Suitable for pond volume in m ³			Item no.
Table explanations: In the marked rows you will find the complete filter sets. The other groupings are additional possible combinations for different requirements and pond sizes.								
BioTec								
	BioTec ScreenMatic 12	Bitron C 36 W	AquaMax Eco Premium 6000/12V	–	20	10	5	
	BioTec ScreenMatic 12	Bitron C 36 W	AquaMax Eco Premium 8000	–	28	14	7	
	BioTec ScreenMatic 12	Bitron C 36 W	AquaMax Eco Premium 10000	–	30	15	8	
BioTec ScreenMatic Set 40000	BioTec ScreenMatic 12	Bitron C 36 W	AquaMax Eco Premium 12000	–	40	20	10	50878
	BioTec ScreenMatic 18	Bitron C 55 W	AquaMax Eco Premium 6000/12V	–	24	12	6	
	BioTec ScreenMatic 18	Bitron C 55 W	AquaMax Eco Premium 8000	–	32	16	8	
	BioTec ScreenMatic 18	Bitron C 55 W	AquaMax Eco Premium 10000	–	36	18	9	
	BioTec ScreenMatic 18	Bitron C 55 W	AquaMax Eco Premium 12000/12V	–	44	22	11	
BioTec ScreenMatic Set 54000	BioTec ScreenMatic 18	Bitron C 55 W	AquaMax Eco Premium 16000	–	54	27	14	50887
	BioTec 30	Bitron C 72 W	AquaMax Eco Premium 12000/12V	–	50	25	13	
	BioTec 30	Bitron C 72 W	AquaMax Eco Premium 16000	–	65	32	16	
	BioTec 30	Bitron C 72 W	AquaMax Eco Premium/Twin 20000	–	70	35	18	
	BioTec 30	Bitron C 72 W	AquaMax Eco Twin 30000	–	100	50	25	
	BioTec 30	Bitron C 110 W	AquaMax Eco Premium 12000/12V	–	68	34	17	
	BioTec 30	Bitron C 110 W	AquaMax Eco Premium 16000	–	90	45	22	
	BioTec 30	Bitron C 110 W	AquaMax Eco Premium/Twin 20000	–	100	50	25	
	BioTec 30	Bitron Eco 120 W	AquaMax Eco Twin 30000	–	120	60	30	
	BioTec 30	Bitron C 110 W	AquaMax Eco Premium 12000/12V	–	80	40	20	
	BioTec ScreenMatic 36	Bitron C 110 W	AquaMax Eco Premium 16000	–	110	55	25	
	BioTec ScreenMatic 36	Bitron Eco 120 W	AquaMax Eco Premium/Twin 20000	–	120	60	30	
	BioTec ScreenMatic 36	Bitron Eco 180 W	AquaMax Eco Twin 30000	–	140	70	35	

For the pond size specifications cited above (BioTec) 1 m delivery head and 5 m 1½" hose were taken into consideration. Larger pumps should be used for longer hose lengths and/or greater delivery heads. Clear Water Guarantee in accordance with a Secchi light penetration depth of 1 m. Please note that in case of extreme temperature fluctuations, friction losses for hose lines longer than 5 m or direct sunlight due to the position of the pond (south facing) more intensive planning is required.

Important note

When planning a new pond with koi stock, please ensure a minimum pond size of 5 m³!



Ponds with plants,
without fish stock



Ponds with plants and
fish stock to 1 kg/1000 l



Ponds with plants and
fish stock up to 1–2 kg/1000 l
(koi ponds)