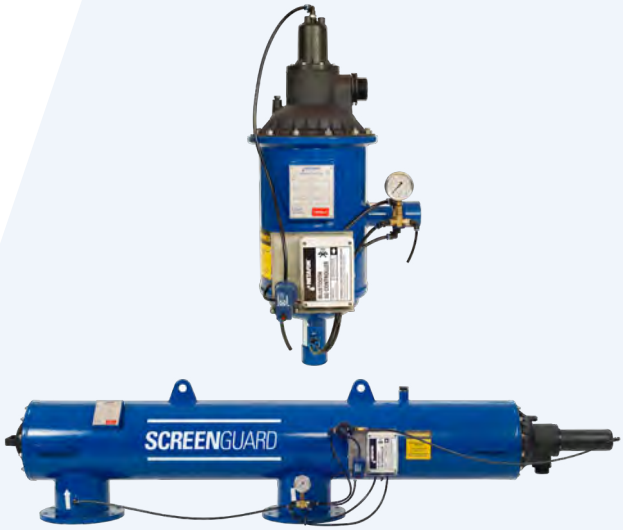
ScreenGuard™

Automatic, metal screen filter

Automatic screen filters provide perfect protection for irrigation systems thanks to extra-large filtration area. ScreenGuard™ also incorporate the most effective self-cleaning mechanism, saving labor, water and energy.



Wide filtration area

Long lasting

Labor saving

Benefits & Features

→ Wide filtration area

The largest filtration area in the industry prevents more dirt and sand particles from entering the irrigation system, reducing the risk of clogging. Ensuring superior operation even in harsh conditions. Prevents sediment intrusion and enhances system performance.

→ Long lasting

The filter body is made from high quality carbon steel with two-layers coating, offering superb corrosion resistance. The filter screen cylinder is molded with stainless-steel 316 screen incorporating a special weave, providing an extra layer of protection to the irrigation system. Cover and piston made from durable non-corrosive materials for easy, cost-effective and low maintenance.

→ Labor saving

Thanks to its cleaning mechanism, the screen can be perfectly cleaned without disassembling the filters and without disrupting the irrigation process. Results in lower labor costs due to less back-flush events even in harsh water conditions. By requiring fewer back-flush cycles, our screen filters save time and money on routine cleaning and maintenance.

→ A wide range of models

With multiple filtration area options covering a wide range of flow rates, it ensures a perfect fit for different water quality and protection requirements.

Applications

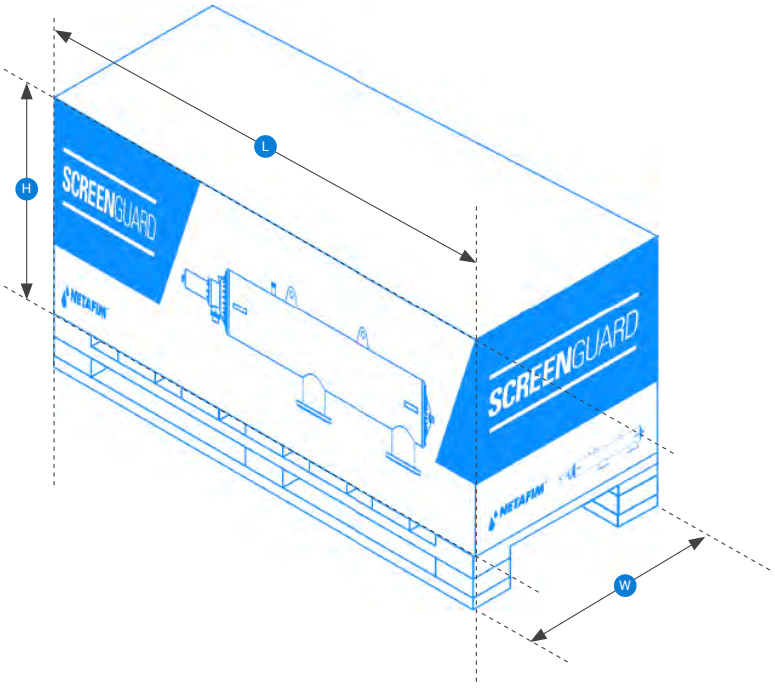
- Primary filtration, for use with well water and/or single use dripline/sprinkler/micro-sprinkler applications.
- Secondary filtration for media filter systems and sand separators.
- In field secondary filters for enhanced protection.

Specifications

- Horizontal or vertical model, with multiple filtration area options covering a wide range of flow rates, ensures a perfect fit for different water quality and protection requirements.
- BT (Bluetooth) controller activated with Netafim™ SG App allows better control of filter performance.
- Multi connection types fit perfectly with any irrigation system.
- Maximum working pressure: 10 bar (145 psi).

→ Logistic data

Model		Connection type	Units per box	Box length L (mm)	Box height H (mm)	Box width W (mm)	Gross weight per box (kg)
Vertical filter	2" Auto Screen	BSP / NPT	1	1070	710	520	47
	3" Auto Screen	BSP / NPT / ANSI / BSTD / ISO	1	1070	710	520	53
	3" Super Auto Screen	BSP / NPT / ANSI / BSTD / ISO	1	1070	710	520	55
	4" Auto Screen	ANSI / BSTD / ISO	1	1070	710	520	58
	4" Super Auto Screen	ANSI / BSTD / ISO	1	1620	710	520	76
	6" Auto Screen	ANSI / BSTD / ISO	1	1620	710	520	81
Horizontal filter	4" Auto Screen	ANSI / BSTD / ISO	1	2220	710	570	119
	4" Super Auto Screen	ANSI / BSTD / ISO	1	2620	760	570	156
	6" Auto Screen	ANSI / BSTD / ISO	1	2220	710	570	127
	6" Super Auto Screen	ANSI / BSTD / ISO	1	2620	760	570	159
	8" Auto Screen	ANSI / BSTD / ISO	1	2620	760	570	169
	10" Auto Screen	ANSI / BSTD / ISO	1	2620	760	570	178



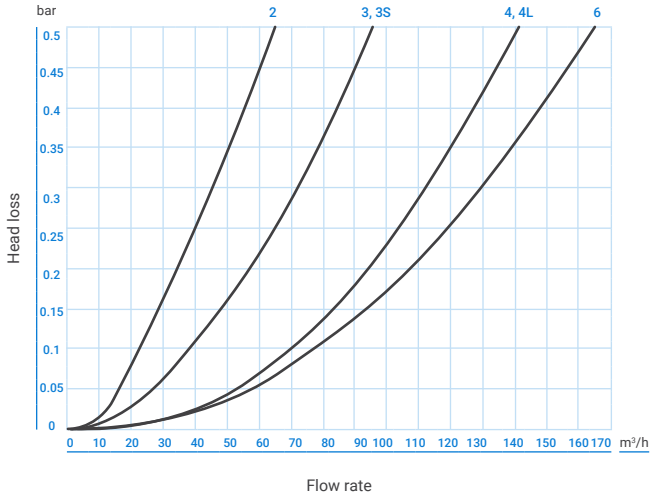
→ Technical information

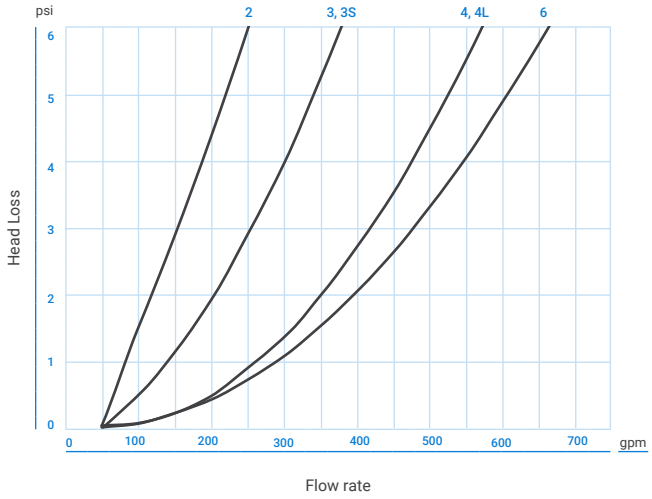
Model		Filtration area (cm^2)	Available connection types	Maximum recommended flow rate (m^3/h)	Back-flush flow rate (m^3/h)	Minimum pressure during back-flush (bar)	Pressure rating (bar)
Vertical filter	2" Auto Screen	1350	BSP / NPT	25	12	2	10
	3" Auto Screen	1350	BSP / NPT / ANSI / BSTD / ISO	35	12	2	10
	3" Super Auto Screen	2000	BSP / NPT / ANSI / BSTD / ISO	50	18	2	10
	4" Auto Screen	2000	ANSI / BSTD / ISO	75	18	2	10
	4" Super Auto Screen	2700	ANSI / BSTD / ISO	80	12	2	10
	6" Auto Screen	2700	ANSI / BSTD / ISO	100	12	2	10
Horizontal filter	4" Auto Screen	5300	ANSI / BSTD / ISO	80	24	2	10
	4" Super Auto Screen	7900	ANSI / BSTD / ISO	100	36	2	10
	6" Auto Screen	5300	ANSI / BSTD / ISO	120	24	2	10
	6" Super Auto Screen	7900	ANSI / BSTD / ISO	150	36	2	10
	8" Auto Screen	7900	ANSI / BSTD / ISO	250	36	2	10
	10" Auto Screen	7900	ANSI / BSTD / ISO	300	36	2	10

* for larger systems up to 14" with multiple units, please contact Netafim™ representative

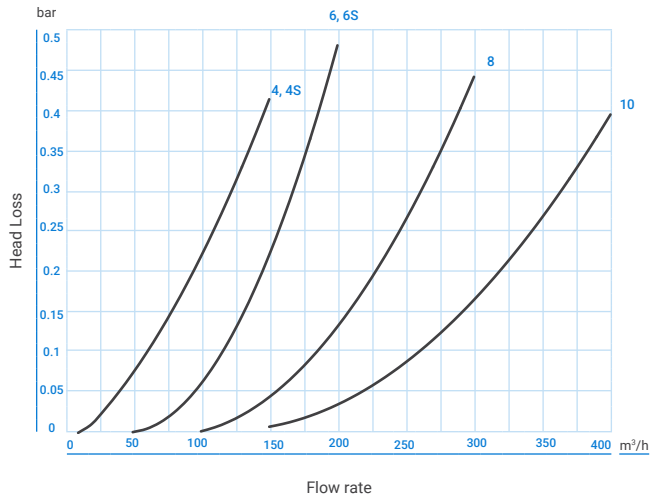
→ Head loss

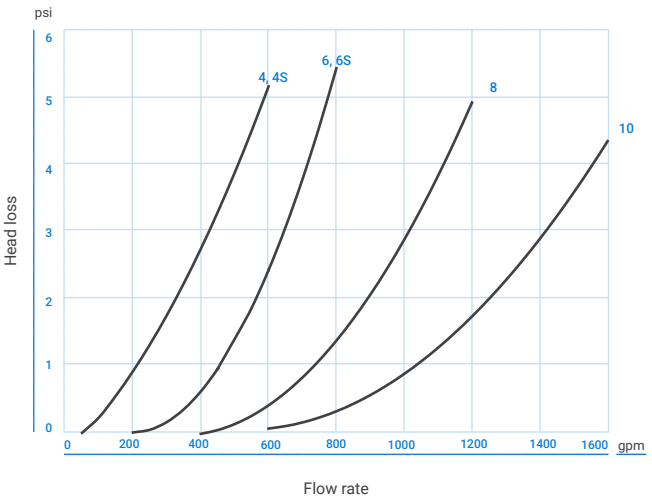
SG Metal Vertical





SG Metal Horizontal





→ Catalog numbers

Catalog number starting with 71960 **+ (any of bellow 6 digits)**

Model		100 mic.						130 mic.						200 mic.					
		BSP	NPT	ANSI	BSTD	ISO		BSP	NPT	ANSI	BSTD	ISO		BSP	NPT	ANSI	BSTD	ISO	
						10	16					10	16					10	16
Vertical filter	2"	000099	000102	n/a	n/a	n/a	n/a	000100	000103	n/a	n/a	n/a	n/a	000101	000104	n/a	n/a	n/a	n/a
	3"	000119	000122	000125	000128	000149		000120	000123	000126	000129	000150		000121	000124	000127	000130	000151	
	3" Jumbo	000169	000172	000175	000199	000219		000170	000173	000176	000200	000220		000171	000174	000177	000201	000221	
	4"	n/a	n/a	000222	000225	000249		n/a	n/a	000223	000226	000250		n/a	n/a	000224	000227	000241	
	4" Jumbo	n/a	n/a	000603	000605	000506		n/a	n/a	000602	000601	000600		n/a	n/a	000604	000278	000607	
	6"	n/a	n/a	000610	000613	000620		n/a	n/a	000611	000614	000621		n/a	n/a	000612	000279	000622	
Horizontal filter	4"	n/a	n/a	000252	000269	000272		n/a	n/a	000253	000270	000273		n/a	n/a	000254	000271	000274	
	4" Jumbo	n/a	n/a	000275	000299	000302		n/a	n/a	000276	000300	000303		n/a	n/a	000277	000301	000304	
	6"	n/a	n/a	000305	000319	000322		n/a	n/a	000306	000320	000323		n/a	n/a	000307	000321	000324	
	6" Jumbo	n/a	n/a	000325	000339	000359		n/a	n/a	000326	000340	000360		n/a	n/a	000327	000341	000361	
	8"	n/a	n/a	000379	000399	000419	000439	n/a	n/a	000380	000400	000420	000440	n/a	n/a	000381	000401	000421	000441
	10"	n/a	n/a	000450	000460	000470	000480	n/a	n/a	000451	000461	000471	000481	n/a	n/a	000452	000642	000472	000482

- SAP codes includes SG1 BT controller, for other controller type please contact Netafim™ representative
- For other filtration grades, please contact Netafim™ representative