

DESIGN FOR TOMORROW.
TODAY



Spin Klin™ **NOVA** | Modular disc filtration system

Designed for **high performance**

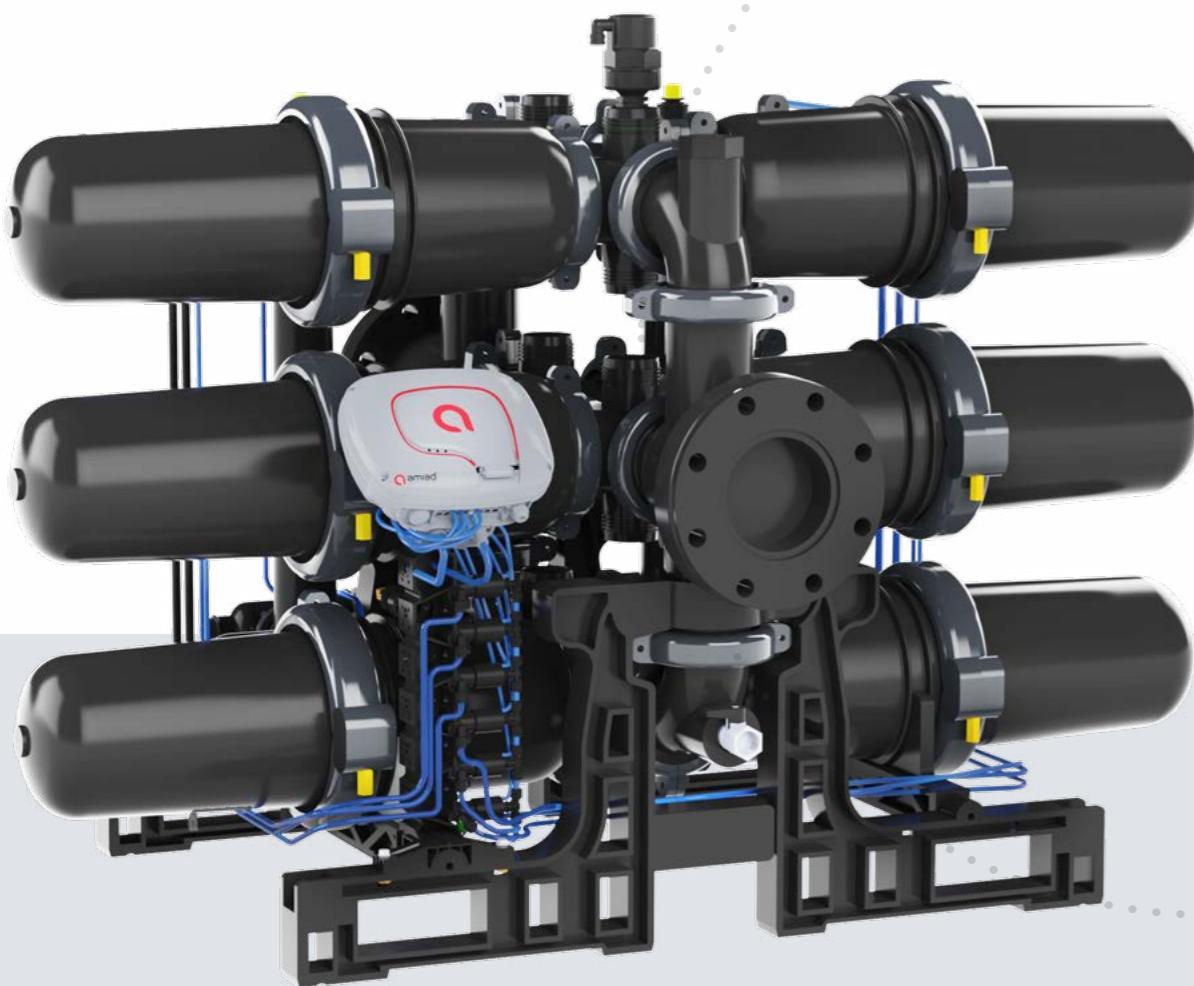


Spin Klin™ Nova has a breakthrough patented design and is the most advanced modular, polymeric disc technology filtration system.

The flexible and sustainable way to ensure high-quality, efficient and stable production processes, today and tomorrow.

Up to
30%
increase in dirt-holding capacity

Up to
30%
longer filtration cycles*



Spin Klin™ **NOVA** offers a range of features for excellent filtration results

LOW ENERGY & WATER CONSUMPTION

- Up to 40% lower head loss*
- Saves up to 30% flushing water*, with less flushing cycles and high recovery ability

FLEXIBILITY & MODULARITY

- Triples filtration area by replacing 2" with 4" spines
- Multiple backwash system configurations
- Stackable design for optimized footprint

CORROSION RESISTANT

- Best for corrosive applications and environments
- Polymeric construction design for up to 10 bar/145 psi
- Incorporates an integral polymeric flushing valve

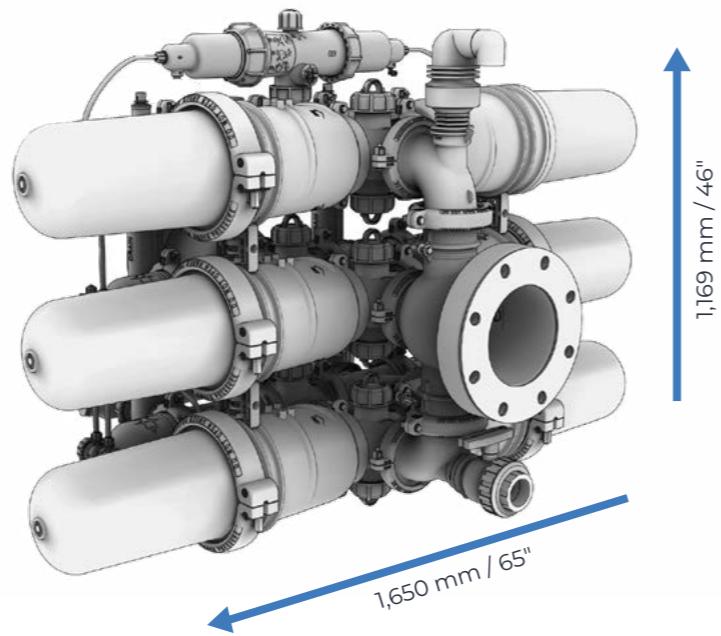
* 2" 100-micron discs, compared to other disc filters

* 2" 100-micron discs, compared to other disc filters

Spin Klin™ NOVA: MODULARITY AT ITS BEST

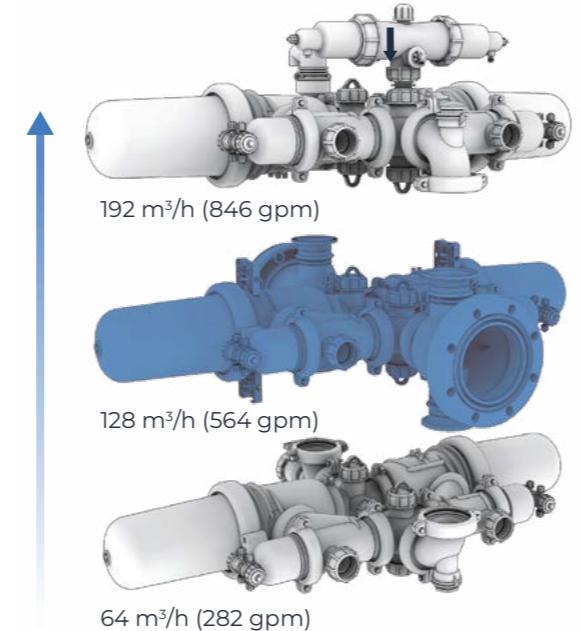
COMPACT DESIGN

Up to 50% reduction in size



SCALABILITY

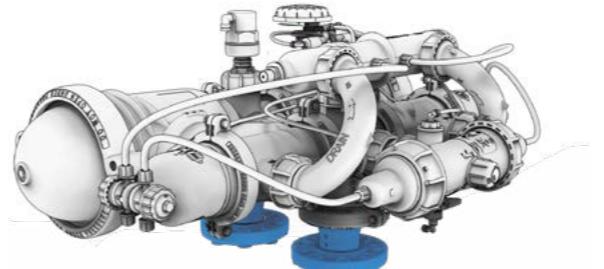
Easily increase the flow rate without increasing the footprint by adding **Single, Dual or Trio** units



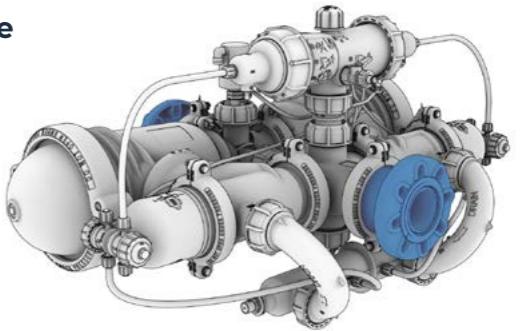
FLEXIBLE

Inlet and outlet ports are adaptable for **on-line or in-line configurations**

On-line

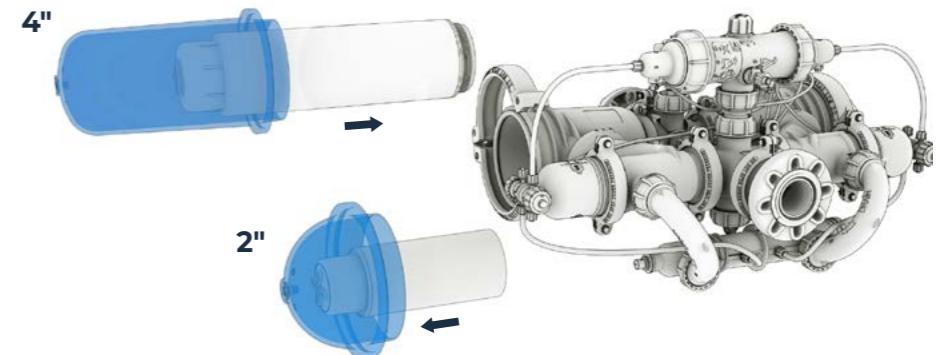


In-line



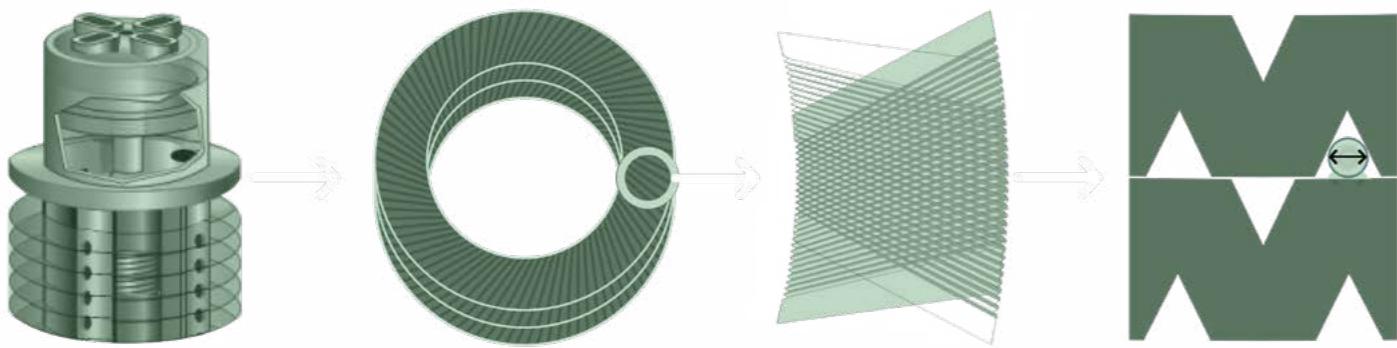
EASILY UPGRADED

Triple the filtration area by replacing 2" spine with 4" spine

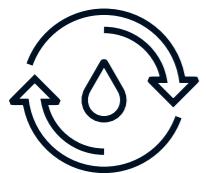


The unique Spin Klin™ disc technology

Polymeric multi-pass discs, diagonally grooved from both sides in opposite directions. The discs are stacked and compressed on a specially designed spine, forming a matrix of consecutive crossing points which trap the particles, creating a depth filtration element.



Technology Benefits



High-quality filtration efficiency



Efficient backwash process with minimum water consumption

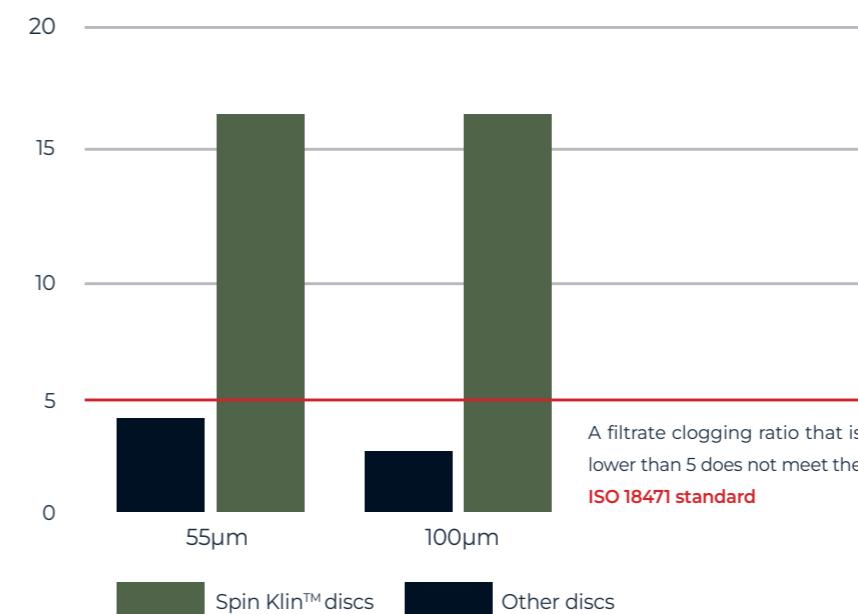


Longer filtration cycles due to higher dirt-holding capacity

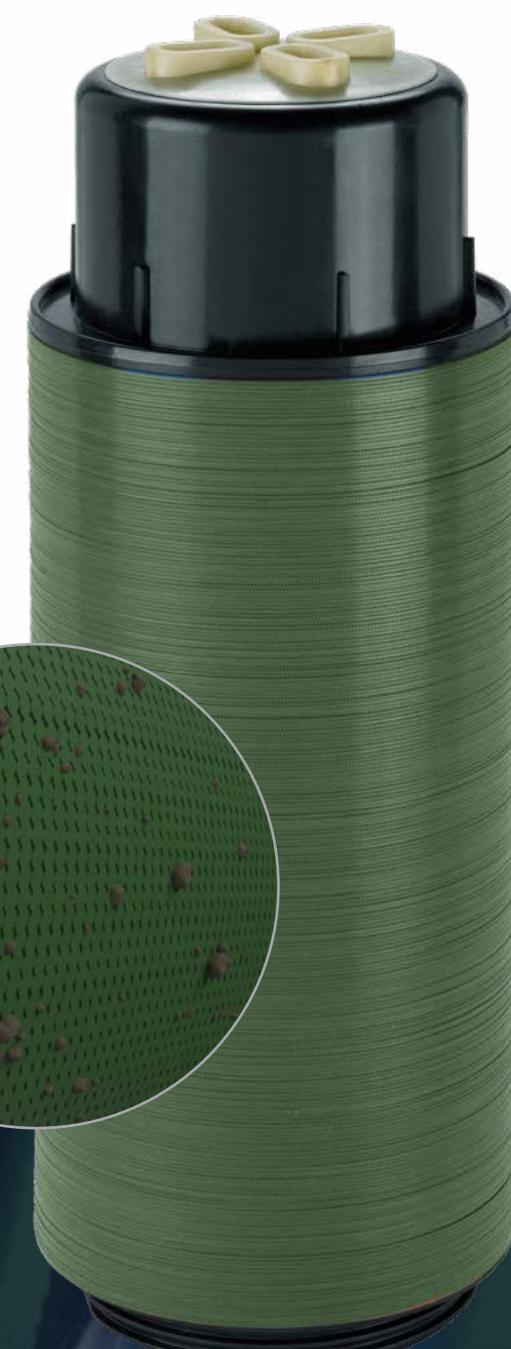
Proven performance

Amiad uses the world recognized ISO 18471 as its standard test to verify its discs' filtration degree, creating a direct correlation between filtration degree declaration and the filters' actual performance.

Filtrate clogging ratio Spin Klin™ vs. other discs



This graph shows the inlet/outlet clogging time ratio of the Spin Klin™ discs compared to other discs, in tests performed with 55 & 100 micron discs.



OPTIMIZATION IS THE KEY TO SUCCESS

Now you can control your Spin Klin™ Nova system remotely with the ADI-X controller.

The ADI-X controller is Amiad's latest innovation for communicating information in real-time and is the only cloud-based solution of its kind.

Optimize performance. Optimize your life.

GET REAL-TIME INFORMATION

Receive continuous data

Historical data log including flushes, pressure, and peripheral sensors (if applicable).

Get real-time alerts

Notifications of flushing mode changes (frost protection, continuous flushing), power source status, pressure thresholds and more.



CONTROL YOUR FILTER

The ADI-X interface with its dedicated app gives you full control of your filter from anywhere, anytime.

Remotely manage operational settings and improve performance, based on water quality and environmental changes.



OPTIMIZE YOUR PERFORMANCE FOR AN OPTIMAL LIFE



Maximize your water savings
by minimizing flushes



Avoid system breakdowns
by planning preventive maintenance



Simplify forecast planning
with trends and analytics



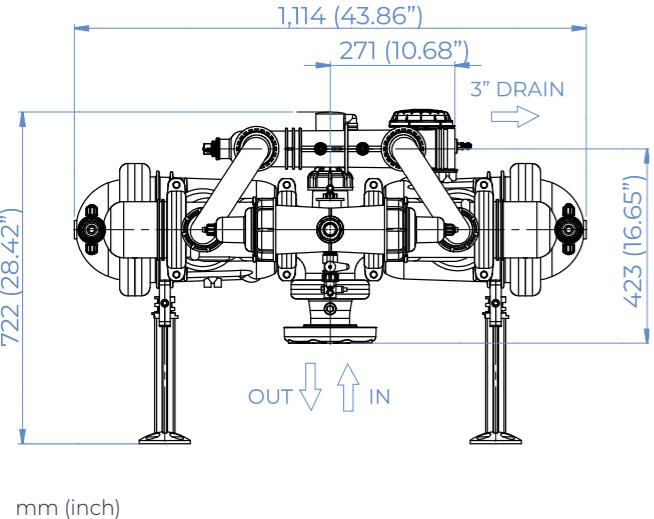
Maximize efficiency
by minimizing downtime



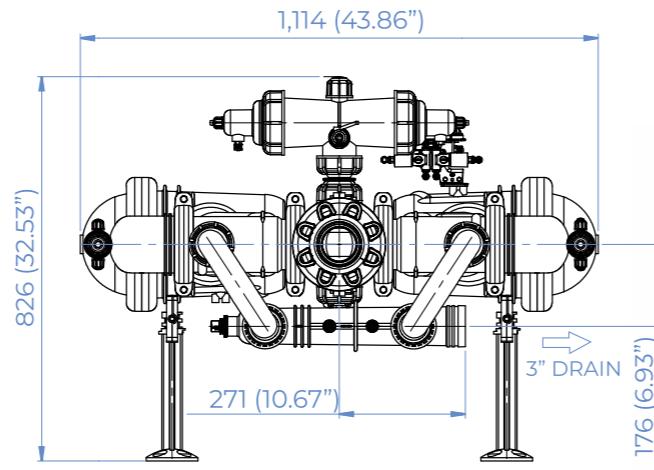
Spin Klin™ Nova Single



On-line



In-line

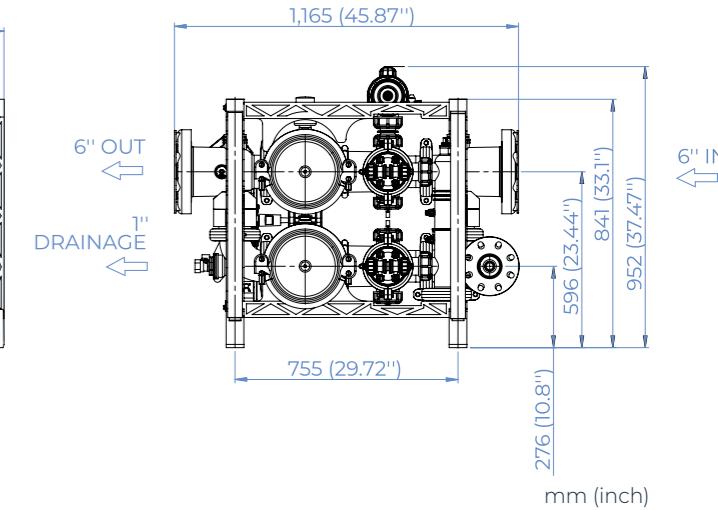
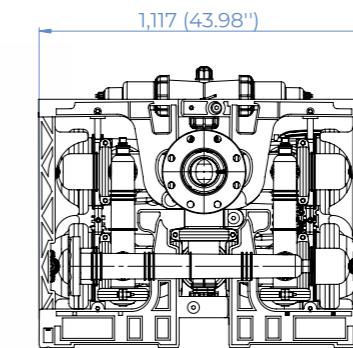


	3"-4" Spin Klin™ Nova Single		4" Spin Klin™ Nova Dual		6" Spin Klin™ Nova Trio		
	m³/h	gpm	m³/h	gpm	m³/h	gpm	
Water Quality	VERY GOOD	20	88	40	176	60	264
	GOOD	20	88	40	176	60	264
	AVERAGE	18	80	36	160	54	240
	POOR	16	70	32	140	48	210
	VERY POOR	14	60	28	120	42	180

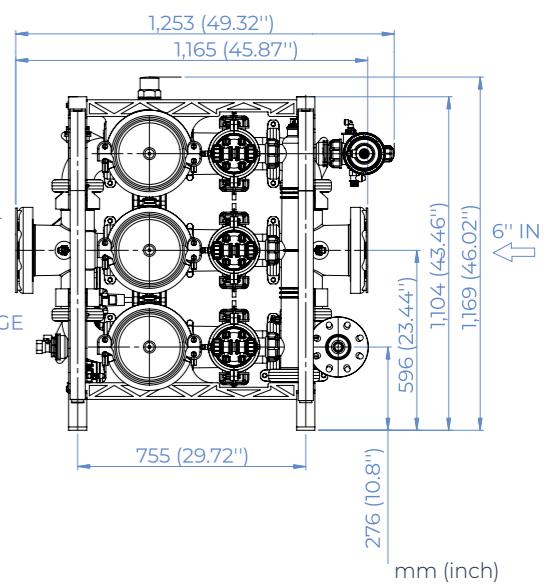
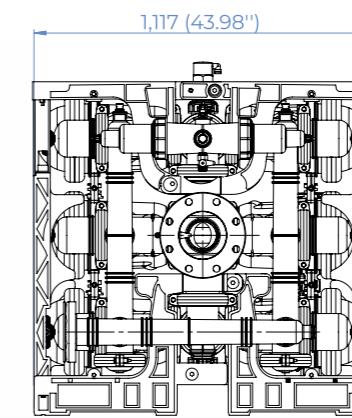
Availability of disc type and micron size

Micron	10	20	40	55	70	100	130	200	400
2" Discs	PP	PP, PA	PP						

Spin Klin™ Nova Dual

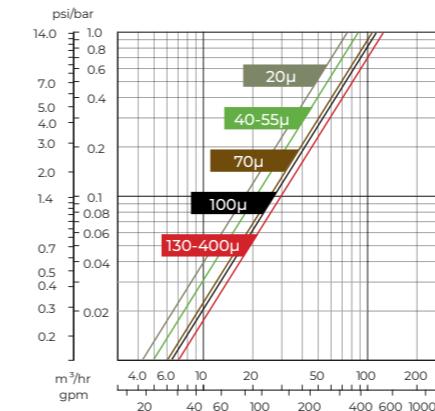


Spin Klin™ Nova Trio

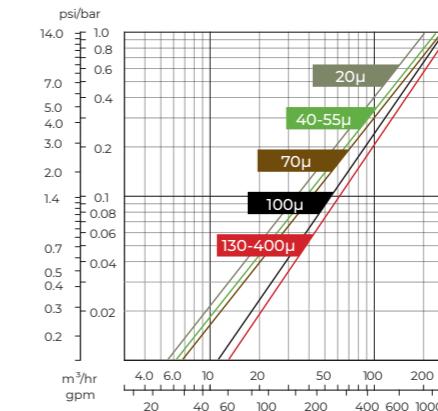


Head Loss Graph (in clean water)

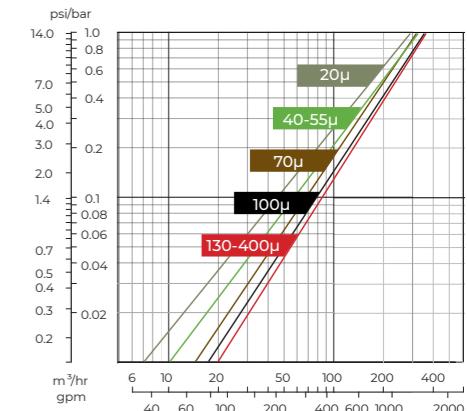
Nova Single



Nova Dual



Nova Trio

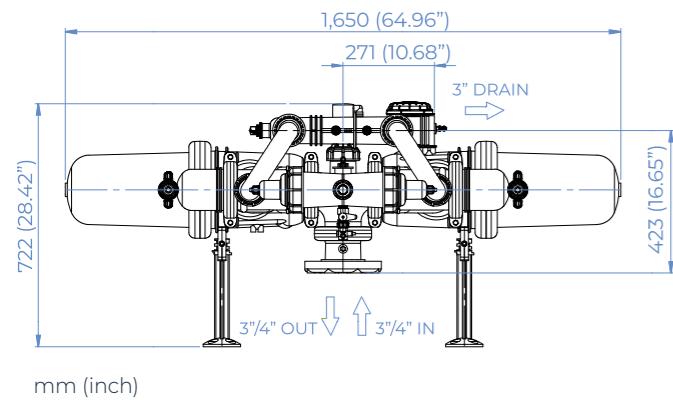


NOTE: Graphs are for general reference only. Consult your authorized Amiad representative for application specific parameters.

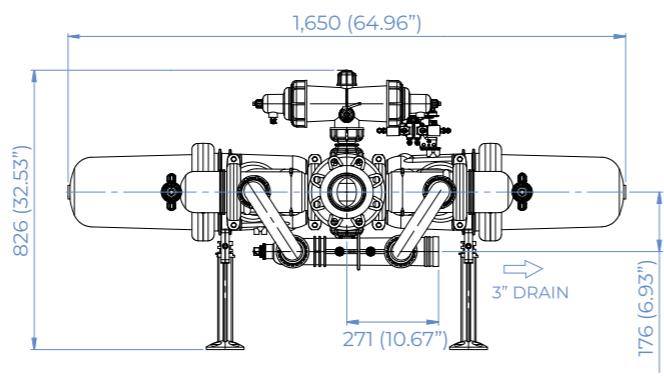
Spin Klin™ Nova Plus Single



On-line



In-line



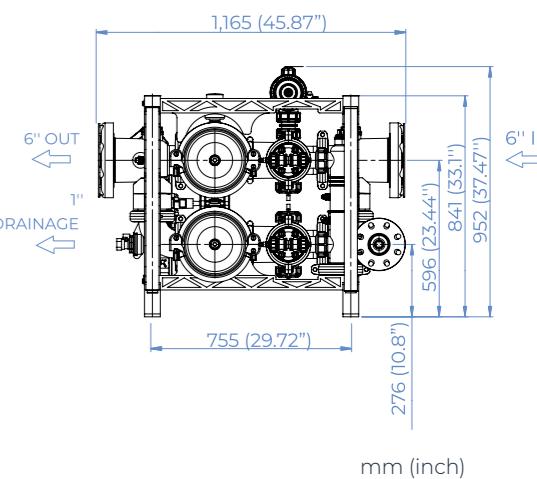
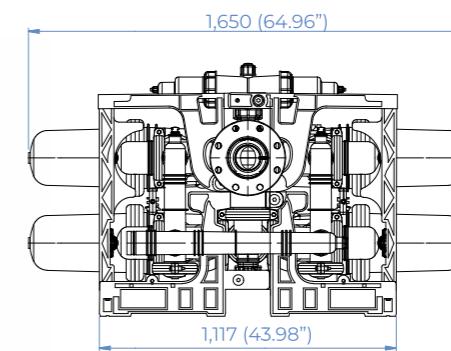
Flow rate (55 micron)

	3"-4" Spin Klin™ Nova Plus Single		6" Spin Klin™ Nova Plus Dual		8" Spin Klin™ Nova Plus Trio	
	m³/h	gpm	m³/h	gpm	m³/h	gpm
Water Quality	VERY GOOD	64	282	128	564	192
	GOOD	60	264	120	528	180
	AVERAGE	54	238	108	476	162
	POOR	48	211	96	422	144
	VERY POOR	42	185	84	370	126
						555

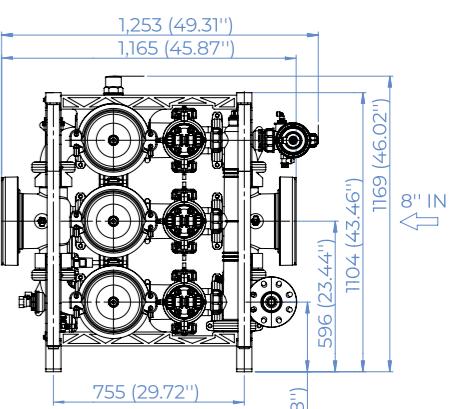
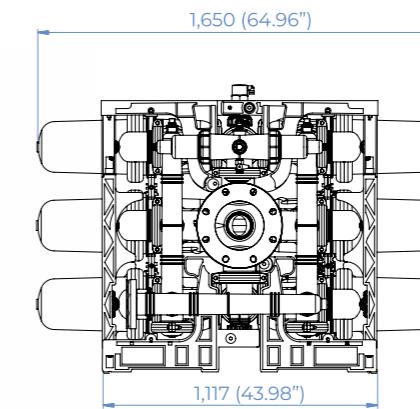
Availability of disc type and micron size

Micron	10	20	40	55	70	100	130	200	400
4" Discs	-	PP	PP, PA	PP, PA	PP, PA	PP	PP	PP	PP

Spin Klin™ Nova Plus Dual



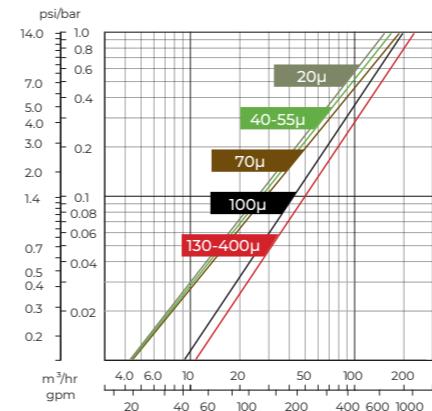
Spin Klin™ Nova Plus Trio



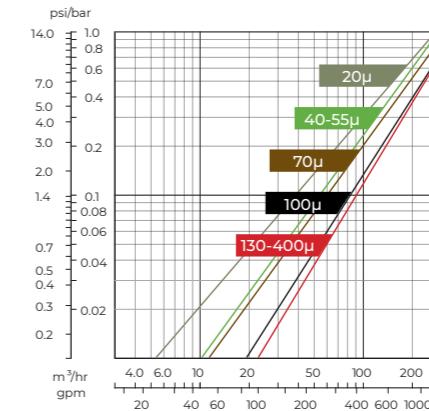
mm (inch)

Head Loss Graph (in clean water)

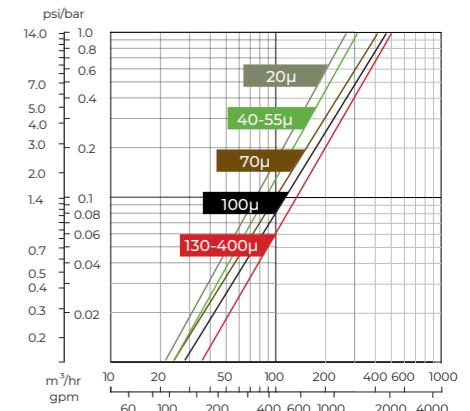
Nova Plus Single



Nova Plus Dual



Nova Plus Trio



NOTE: Graphs are for general reference only. Consult your authorized Amiad representative for application specific parameters.

Technical Specifications

Spin Klin™ Nova

Filter type	3"-4" Spin Klin™ Nova Single	4" Spin Klin™ Nova Dual	6" Spin Klin™ Nova Trio
General data			
Max. flow rate* (55μ)	20 m³/h (88 gpm)	40 m³/h (176 gpm)	60 m³/h (264 gpm)
Min. operating pressure when cleaning		1.5-5 bar (22-72.5 psi) depending on filtration degree	
Max. operating pressure**		10 bar (145 psi)	
Operating temperature**		5-60°C	
Filtration volume	2,298 cm³ (140.2 in³)	4,592 cm³ (280.2 in³)	6,888 cm³ (420.3 in³)
Filtration area	1,760 cm² (272 in²)	3,520 cm² (544 in²)	5,280 cm² (816 in²)
Inlet/Outlet diameter	3"-4" (80-100 mm) Grooved coupling / Universal flange	4" (100 mm) Grooved coupling / Universal flange	6" (150 mm) Universal flange
Weight (Empty)	54 kg (118 lb)	115 kg (253 lb)	156 kg (344 lb)

* Consult Amiad for optimum flow depending on filtration degree and water quality.

** Max. operating pressure and temperature are interdependent parameters and are given for general reference only. Please consult your authorized Amiad representative for the application specific parameters.

Electronic control: ADI-P, single units only	
Control power supply	4 x AA type 1.5V batteries / External 7-14V DC, 110/220V (50/60 Hz)
Solenoid operation data	9-12V DC latching solenoid
DP switch	Integral sensors

Flushing data (at 1.5 bar, 22 psi)	
Backwash valve	3" (80 mm) Grooved coupling
Flushing time	15-20 sec
Min. reject water volume per flush cycle	36 liters (9.5 gallons)
Flushing flow rate	7.2-11 m³/h (44-48 gpm) depending on pressure

When the pressure on downstream is over 6 bar during backwash, installing an orifice valve in the drain manifold is recommended to prevent damage to the Spin Klin™ spines.

Spin Klin™ Nova Plus

General data	3"-4" Spin Klin™ Nova Plus Single	6" Spin Klin™ Nova Plus Dual	8" Spin Klin™ Nova Plus Trio
General data			
Max. flow rate (55μ)*	64 m³/h (282 gpm)	128 m³/h (564 gpm)	192 m³/h (846 gpm)
Min. operating pressure when cleaning		1.5-5 bar (22-72.5 psi) depending on filtration degree	
Max. operating pressure**		10 bar (145 psi)	
Operating temperature**		5-60°C	
Filtration volume	6,284 cm³ (383.5 in³)	12,560 cm³ (766.4 in³)	18,852 cm³ (1150.4 in³)
Filtration area	5,240 cm² (383 in²)	10,480 cm² (1,624 in²)	15,720 cm² (2,437 in²)
Inlet/Outlet diameter	3"-4" (80-100 mm) Grooved coupling / Universal flange	6" (150 mm) Universal flange	8" (200 mm) Universal flange
Weight (Empty)	57 kg (126 lb)	127 kg (279 lb)	182 kg (401 lb)

* Consult Amiad for optimum flow depending on filtration degree and water quality.

** Max. operating pressure and temperature are interdependent parameters and are given for general reference only. Please consult your authorized Amiad representative for the application specific parameters.

Electronic control: ADI-X	
Control power supply	4 x D type 1.5V batteries / External 7-14 VDC, 110/220V (50/60 Hz)
Solenoid operation data	9-12 V DC latching solenoid
DP switch	Integral sensors

Construction materials	
Filter housing and lid	RPA (Reinforced Polyamide)
Discs	PP (Polypropylene) or PA (Polyamide)
Cleaning mechanism	All-polymeric
Backwash valve	All-polymeric
Seals	EPDM

Electronic control: ADI-P, single units only	
Control power supply	4 x AA type 1.5V batteries / External 7-14V DC, 110/220V (50/60 Hz)
Solenoid operation data	9-12 V DC latching solenoid
DP switch	Integral sensors

Flushing data (at 1.5 bar, 22 psi)	
Backwash valve	3" (80 mm) Grooved coupling
Flushing time	15-20 sec
Min. reject water volume per flush cycle	65 liters (17.2 gallons)
Flushing flow rate	13-25 m³/h (57.2-110 gpm) depending on pressure

When the pressure on downstream is over 6 bar during backwash, installing an orifice valve in the drain manifold is recommended to prevent damage to the Spin Klin™ spines.

Electronic control: ADI-X	
Control power supply	4 x D type 1.5V batteries / External 7-14 VDC, 110/220V (50/60 Hz)
Solenoid operation data	9-12 V DC latching solenoid
DP switch	Integral sensors

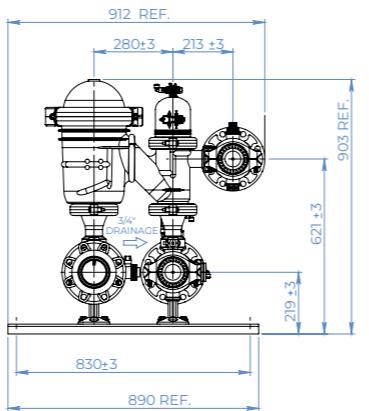
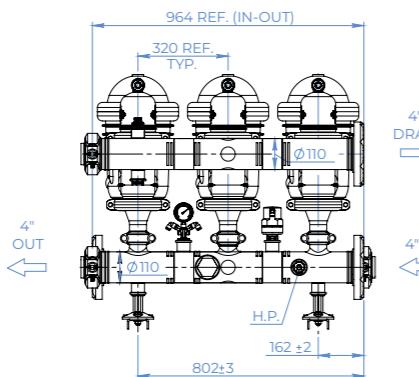
Construction materials	
Filter housing and lid	RPA (Reinforced Polyamide)
Discs	PP (Polypropylene) or PA (Polyamide)
Cleaning mechanism	All-polymeric
Backwash valve	All-polymeric
Seals	EPDM

2" Spin Klin™ Nova Battery

Internal Source

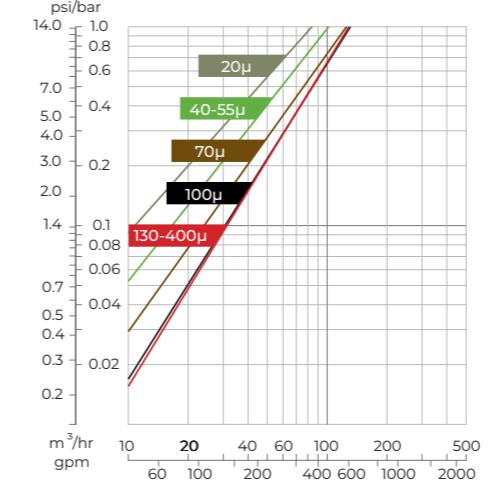


mm (inch)

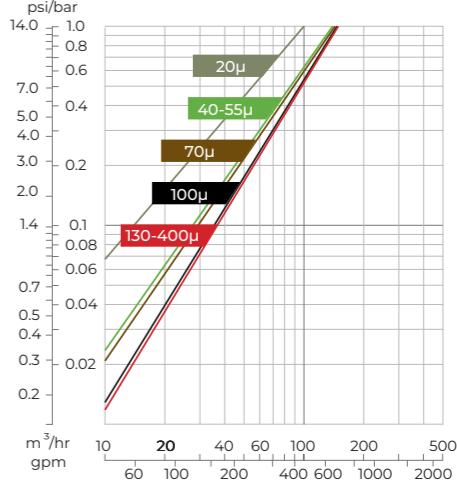


Head Loss Graph (in clean water)

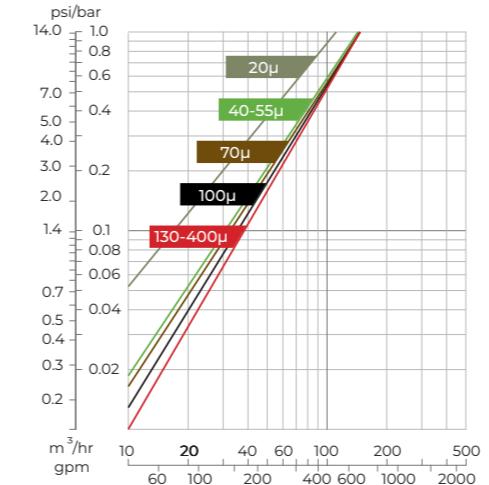
Nova 6" In.s **3 units**



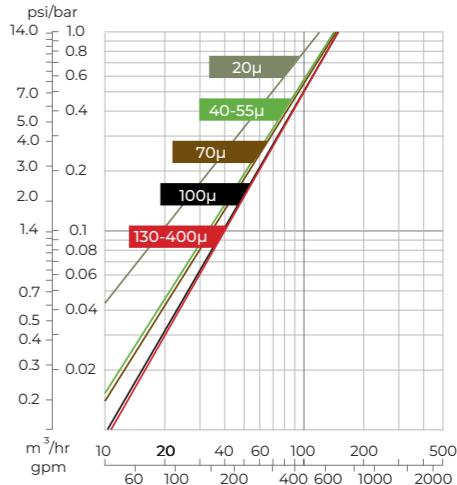
Nova 6" In.s **4 units**



Nova 6" In.s **5 units**



Nova 6" In.s **6 units**



Technical Specifications

Filter type	3 unit battery	4 unit battery	5 unit battery	6 unit battery	
General data					
Max. operating pressure		10 bar (145 psi)			
Min. operating pressure		1 bar (14.5 psi)			
Max. recommended flow rate	100µ 55µ 20µ	42 m³/h (185 gpm) 30 m³/h (132 gpm) 10 m³/h (44 gpm)	56 m³/h (246 gpm) 40 m³/h (176 gpm) 15 m³/h (66 gpm)	70 m³/h (308 gpm) 50 m³/h (220 gpm) 25 m³/h (110 gpm)	84 m³/h (370 gpm) 60 m³/h (264 gpm) 30 m³/h (132 gpm)
Available filtration degrees	400, 200, 130, 100, 55, 40, 20, 10 micron				
Filtration volume	3,444 cm³ (210 in³)	4,592 cm³ (280 in³)	5,740 cm³ (350 in³)	6,888 cm³ (420 in³)	
Filtration area	2,640 cm² (409 in²)	3,520 cm² (546 in²)	4,400 cm² (683 in²)	5,280 cm² (818 in²)	
Inlet/Outlet diameter	100 mm (4")				
Max. operating temperature	60°C (140°F)				
Dry weight Internal source system	74 kg (163 lb)	94 kg (207 lb)	114 kg (251 lb)	134 kg (295.5 lb)	

Backwash data		
Valve drain port	100 mm (4")	
Flushing time (per one pod)	15-20 seconds	
Min. flow for backwash	10-11 m³/h (44-49 gpm)	

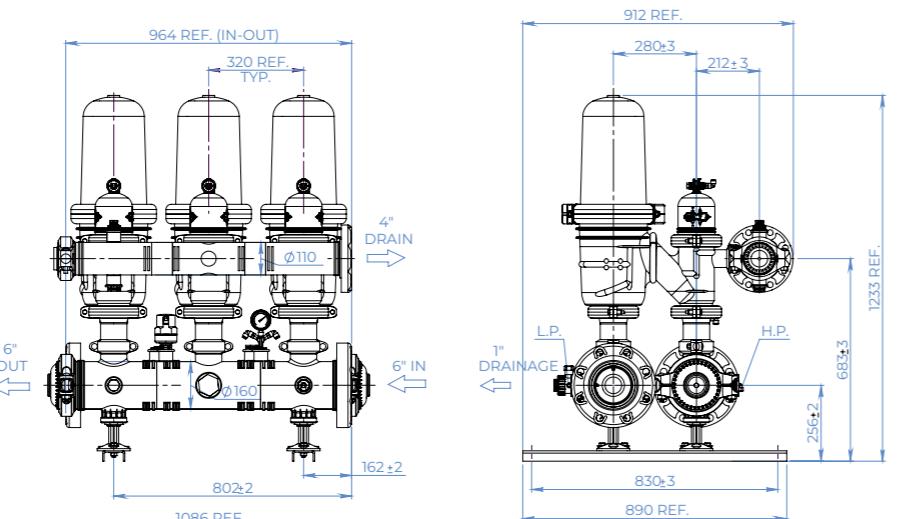
NOTE: Graphs are for general reference only. Consult your authorized Amiad representative for application specific parameters.

3" Spin Klin™ Nova Plus Battery

Internal Source



mm (inch)

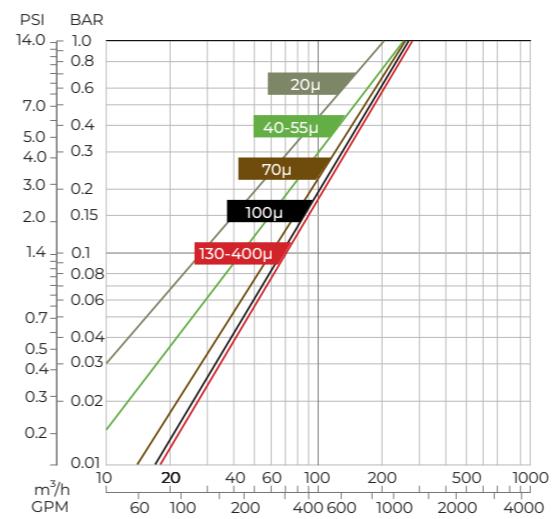


Technical Specifications

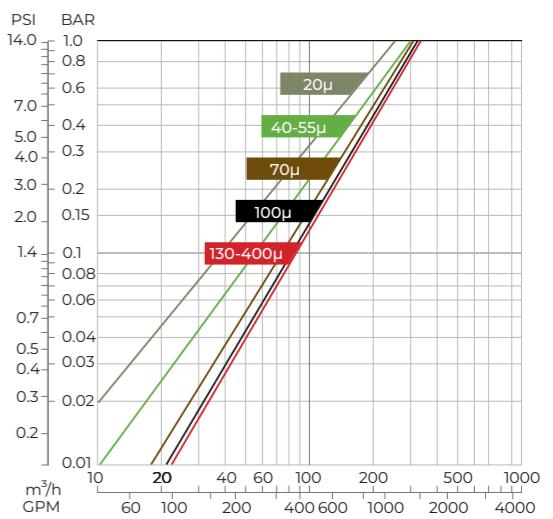
Filter type	3 unit battery	4 unit battery	5 unit battery	6 unit battery	7 unit battery	8 unit battery	
General data							
Max. operating pressure		10 bar (145 psi)					
Min. operating pressure		2 bar (30 psi)					
Max. recommended flow rate	100µ	150 m³/h (600 gpm)	200 m³/h (881 gpm)	250 m³/h (1,101 gpm)	300 m³/h (1,321 gpm)	350 m³/h (1,541 gpm)	400 m³/h (1,761 gpm)
	55µ	96 m³/h (423 gpm)	128 m³/h (564 gpm)	160 m³/h (704 gpm)	192 m³/h (845 gpm)	224 m³/h (986 gpm)	256 m³/h (1,127 gpm)
	20µ	54 m³/h (238 gpm)	72 m³/h (317 gpm)	90 m³/h (396 gpm)	108 m³/h (475 gpm)	127 m³/h (559 gpm)	144 m³/h (634 gpm)
Available filtration degrees							
400, 200, 130, 100, 55, 40, 20, 10 micron							
Filtration volume	9,426 cm³ (575 in³)	12,568 cm³ (767 in³)	15,710 cm³ (959 in³)	18,852 cm³ (1,150 in³)	21,994 cm³ (1,342 in³)	25,136 cm³ (1,534 in³)	
Filtration area	7,860 cm² (1,218 in²)	10,480 cm² (1,624 in²)	13,100 cm² (2,031 in²)	15,720 cm² (2,446 in²)	18,340 cm² (2,843 in²)	20,960 cm² (3,249 in²)	
Inlet/Outlet diameter	150mm (6")						
Max. operating temperature	60°C (140°F)						
Dry weight Internal source system	112 kg (247 lb)	143 kg (315 lb)	174 kg (384 lb)	205 kg (452 lb)	236 kg (520 lb)	267 kg (588.5 lb)	
Backwash data							
Valve drain port	100 mm (4")						
Flushing time	15-20 seconds						
Min. flow for backwash	24-25 m³/h (106-110 gpm)						

Head Loss Graph (in clean water)

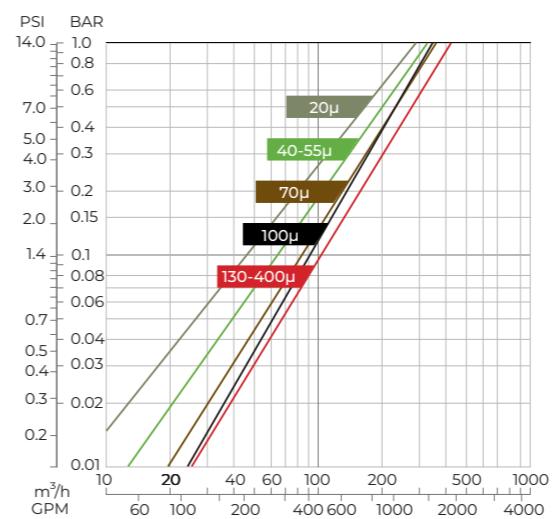
Nova Plus 6" In.s 3 units



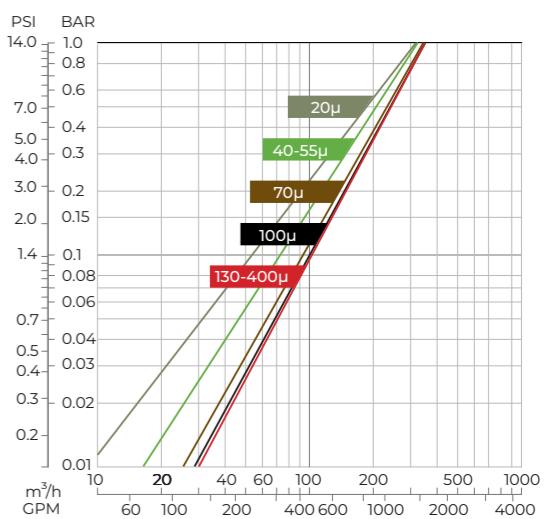
Nova Plus 6" In.s 4 units



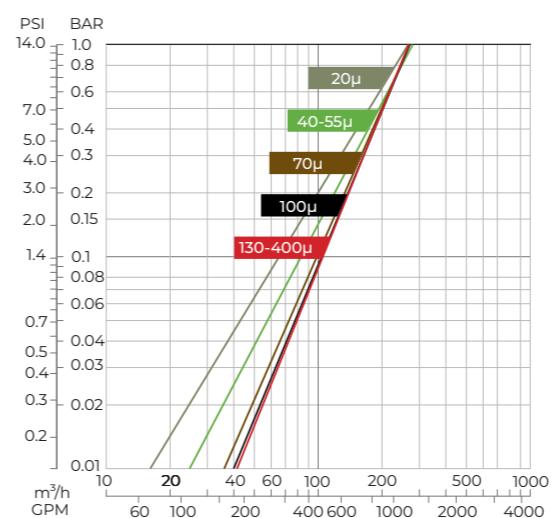
Nova Plus 6" In.s 5 units



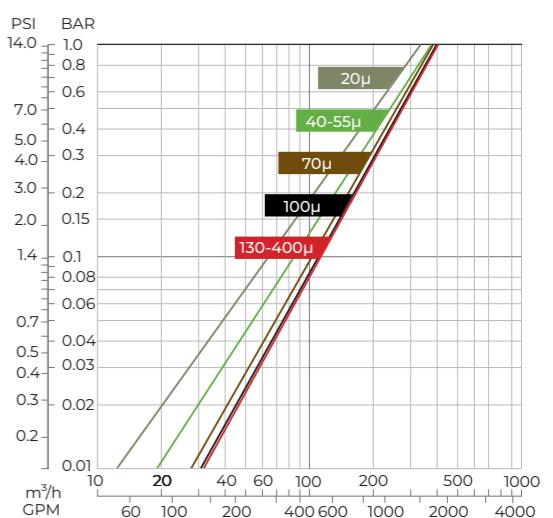
Nova Plus 6" In.s 6 units



Nova Plus 6" In.s 7 units



Nova Plus 6" In.s 8 units



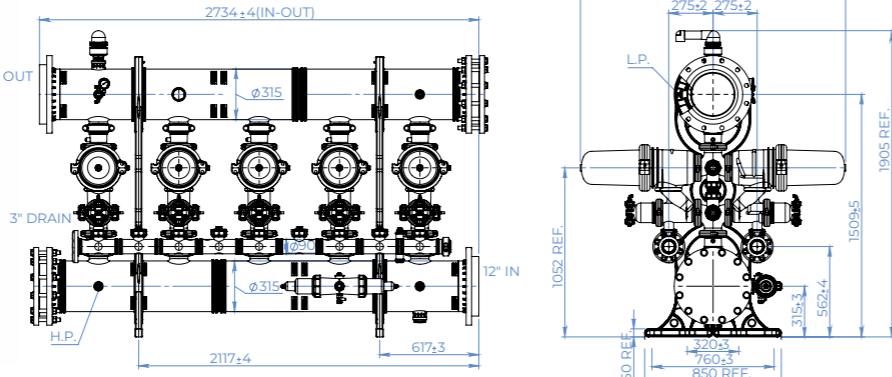
NOTE: Graphs are for general reference only. Consult your authorized Amiad representative for application specific parameters.

4" Spin Klin™ Nova Plus Battery

Internal Source



mm (inch)

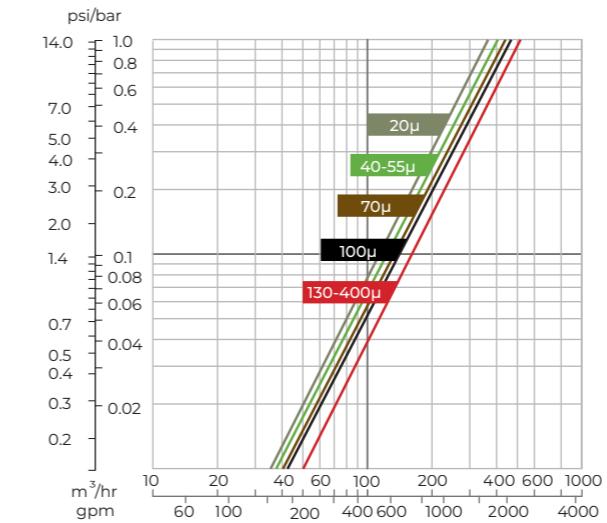


Technical Specifications

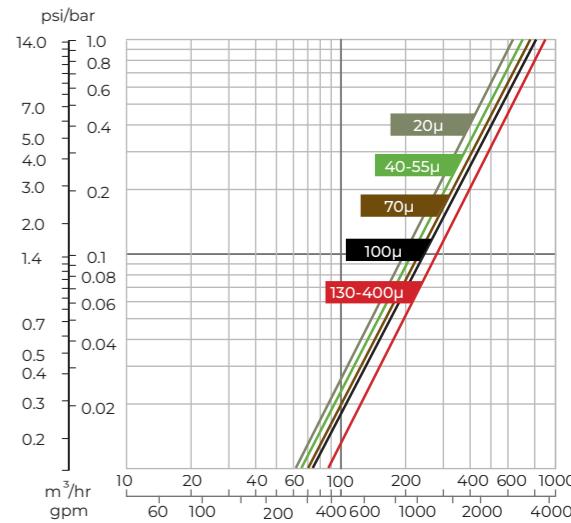
Filter type	3 unit battery	4 unit battery	5 unit battery	6 unit battery	7 unit battery	
General data						
Max. operating pressure		10 bar (145 psi)				
Min. operating pressure		2 bar (30 psi)				
Max. recommended flow rate	100μ	300 m³/h (1,321 gpm)	400 m³/h (1,761 gpm)	500 m³/h (2,201 gpm)	600 m³/h (2,642 gpm)	700 m³/h (3,082 gpm)
	55μ	192 m³/h (845 gpm)	256 m³/h (1,127 gpm)	320 m³/h (1,409 gpm)	384 m³/h (1,691 gpm)	448 m³/h (1,972 gpm)
	20μ	108 m³/h (475 gpm)	144 m³/h (634 gpm)	180 m³/h (792 gpm)	216 m³/h (951 gpm)	252 m³/h (1,109 gpm)
Available filtration degrees						
400, 200, 130, 100, 55, 40, 20 micron						
Filtration volume	18,852 cm³ (1,150 in³)	25,136 cm³ (1,534 in³)	31,420 cm³ (1,917 in³)	37,704 cm³ (2,300 in³)	43,988 cm³ (2,684 in³)	
Filtration area	15,720 cm² (2,437 in²)	20,960 cm² (3,249 in²)	26,200 cm² (4,061 in²)	31,440 cm² (4,873 in²)	36,680 cm² (5,685 in²)	
Inlet/Outlet diameter	280 mm (10")	315 mm (12")				
Max. operating temperature	60°C (140°F)					
Dry weight Internal source system	332 kg (732 lb)	431 kg (950 lb)	575 kg (1,268 lb)	635 kg (1,400 lb)	831 kg (1,832 lb)	
Backwash data						
Valve drain port	100 mm (4")					
Flushing time	15-20 seconds					
Min. flow for backwash	48-50 m³/h (211-220 gpm)					

Head Loss Graph (in clean water)

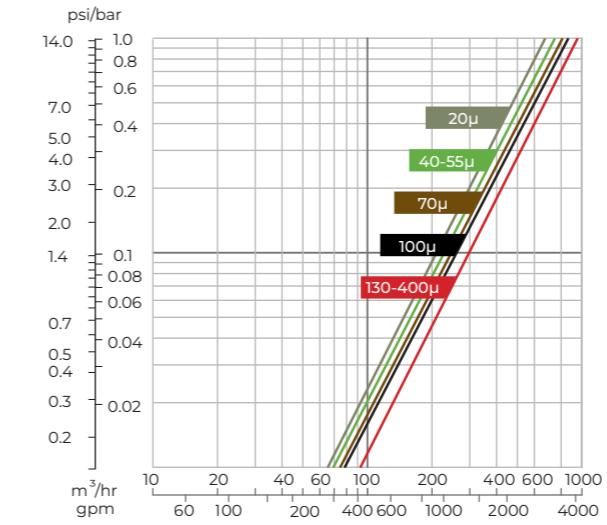
Nova Plus 10" In.s **3 units**



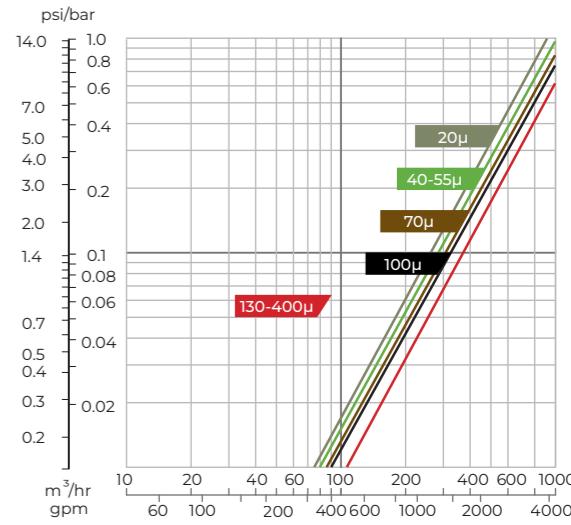
Nova Plus 12" In.s **4 units**



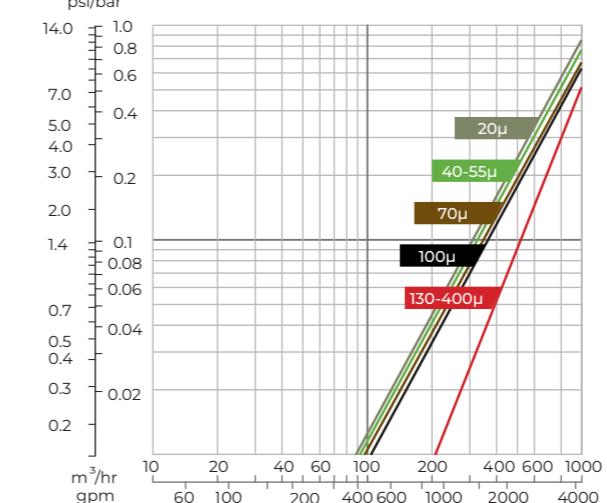
Nova Plus 12" In.s **5 units**



Nova Plus 12" In.s **6 units**



Nova Plus 12" In.s **7 units**



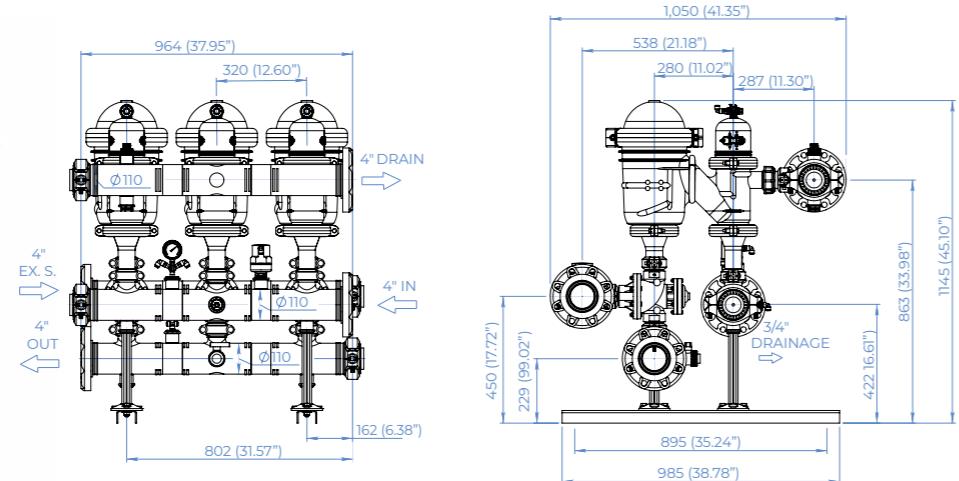
NOTE: Graphs are for general reference only. Consult your authorized Amiad representative for application specific parameters.

2" Spin Klin™ Nova Battery

External Source



mm (inch)



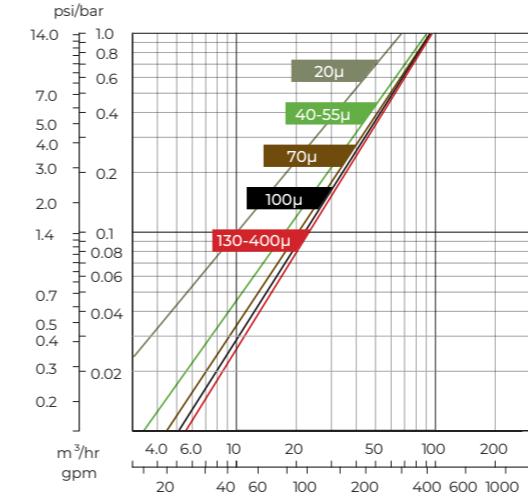
Technical Specifications

Filter type	3 unit battery	4 unit battery	5 unit battery	6 unit battery	
General data					
Max. operating pressure		10 bar (145 psi)			
Min. operating pressure		1 bar (14.5 psi)			
Max. recommended flow rate	100µ 55µ 20µ	42 m³/h (185 gpm) 30 m³/h (132 gpm) 10 m³/h (44 gpm)	56 m³/h (246 gpm) 40 m³/h (176 gpm) 15 m³/h (66 gpm)	70 m³/h (308 gpm) 50 m³/h (220 gpm) 25 m³/h (110 gpm)	84 m³/h (370 gpm) 60 m³/h (264 gpm) 30 m³/h (132 gpm)
Available filtration degrees	400, 200, 130, 100, 55, 40, 20, 10 micron				
Filtration volume	3,444 cm³ (210 in³)		4,592 cm³ (280 in³)	5,740 cm³ (350 in³)	6,888 cm³ (420 in³)
Filtration area	2,640 cm² (409 in²)		3,520 cm² (546 in²)	4,400 cm² (683 in²)	5,280 cm² (818 in²)
Inlet/Outlet diameter	100 mm (4")				
Max. operating temperature	60°C (140°F)				
Dry weight external source system	86 kg (190 lb)	107 kg (236 lb)	128 kg (282 lb)	150 kg (331 lb)	

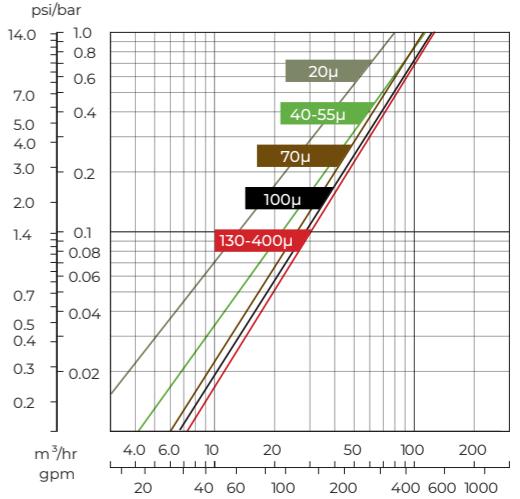
Backwash data	
Valve drain port	100 mm (4")
Flushing time (per one pod)	15-20 seconds
Min. flow for backwash	10-11 m³/h (44-49 gpm)

Head Loss Graph (in clean water)

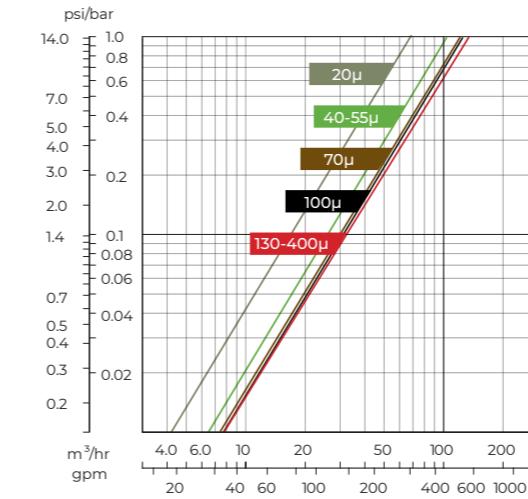
Nova 6" Ex.s 3 units



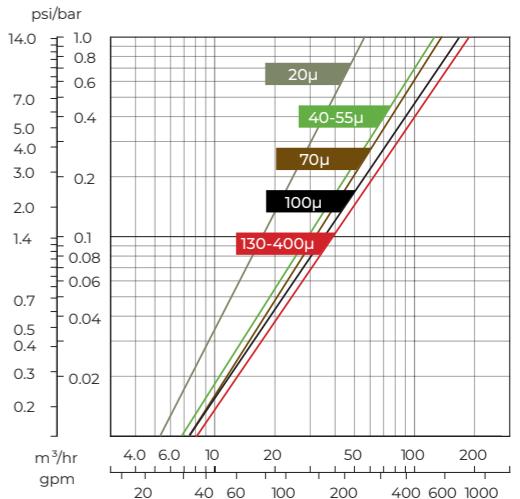
Nova 6" Ex.s 4 units



Nova 6" Ex.s 5 units



Nova 6" Ex.s 6 units



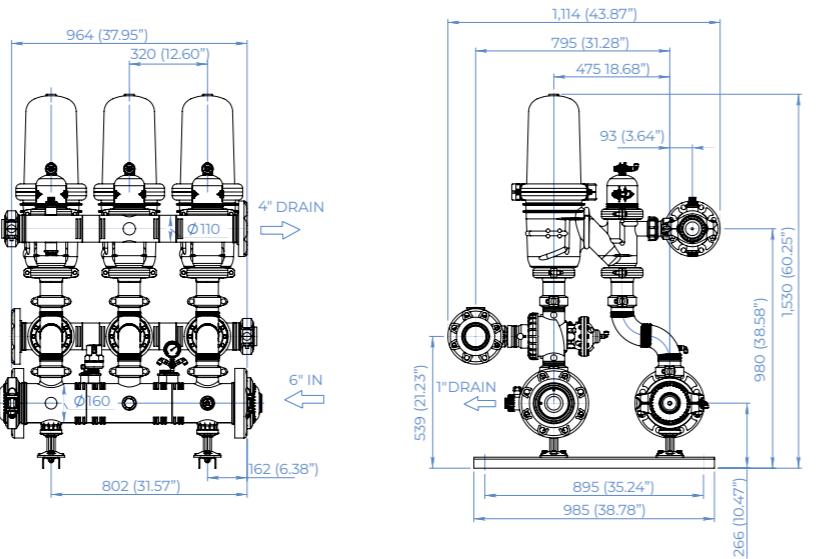
NOTE: Graphs are for general reference only. Consult your authorized Amiad representative for application specific parameters.

3" Spin Klin™ Nova Plus Battery

External Source



mm (inch)

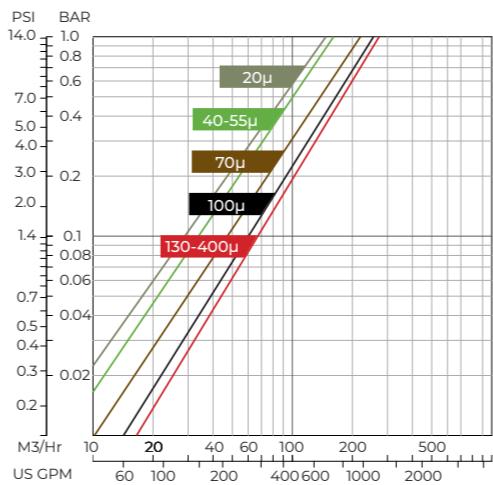


Technical Specifications

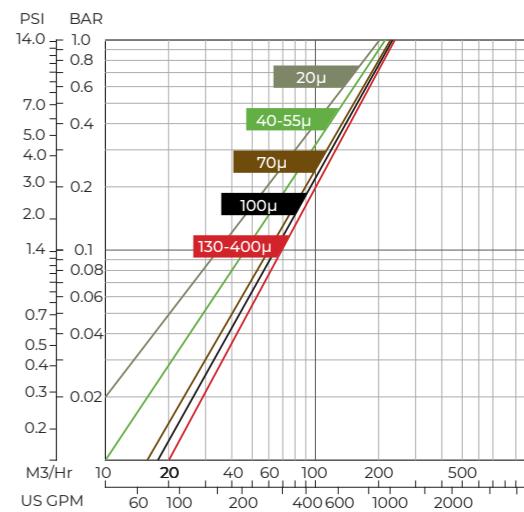
Filter type	3 unit battery	4 unit battery	5 unit battery	6 unit battery	7 unit battery	8 unit battery	
General data							
Max. operating pressure		10 bar (145 psi)					
Min. operating pressure		2 bar (30 psi)					
Max. recommended flow rate	100μ	150 m³/h (600 gpm)	200 m³/h (881 gpm)	250 m³/h (1,101 gpm)	300 m³/h (1,321 gpm)	350 m³/h (1,541 gpm)	400 m³/h (1,761 gpm)
	55μ	96 m³/h (423 gpm)	128 m³/h (564 gpm)	160 m³/h (704 gpm)	192 m³/h (845 gpm)	224 m³/h (986 gpm)	256 m³/h (1,127 gpm)
	20μ	54 m³/h (238 gpm)	72 m³/h (317 gpm)	90 m³/h (396 gpm)	108 m³/h (475 gpm)	127 m³/h (559 gpm)	144 m³/h (634 gpm)
Available filtration degrees							
400, 200, 130, 100, 55, 40, 20, 10 micron							
Filtration volume	9,426 cm³ (575 in³)	12,568 cm³ (767 in³)	15,710 cm³ (959 in³)	18,852 cm³ (1,150 in³)	21,994 cm³ (1,342 in³)	25,136 cm³ (1,534 in³)	
Filtration area	7,860 cm² (1,218 in²)	10,480 cm² (1,624 in²)	13,100 cm² (2,031 in²)	15,720 cm² (2,446 in²)	18,340 cm² (2,843 in²)	20,960 cm² (3,249 in²)	
Inlet/Outlet diameter	150mm (6")						
Max. operating temperature	60°C (140°F)						
Dry weight external source system	145 kg (320 lb)	175 kg (386 lb)	205 kg (452 lb)	235 kg (518 lb)	265 kg (584 lb)	295 kg (650 lb)	
Backwash data							
Valve drain port	100 mm (4")						
Flushing time	15-20 seconds						
Min. flow for backwash	24-25 m³/h (106-110 gpm)						

Head Loss Graph (in clean water)

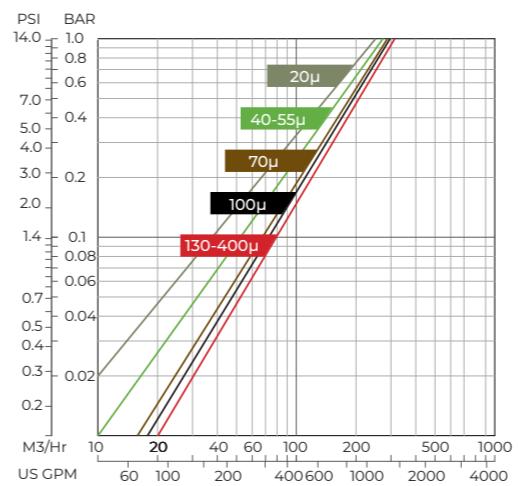
Nova Plus 6" Ex.s **3 units**



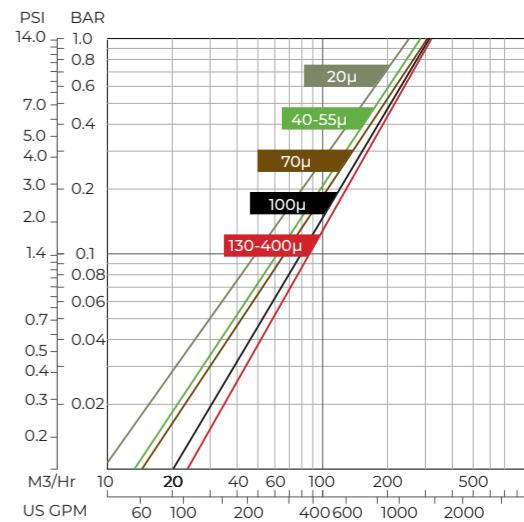
Nova Plus 6" Ex.s **4 units**



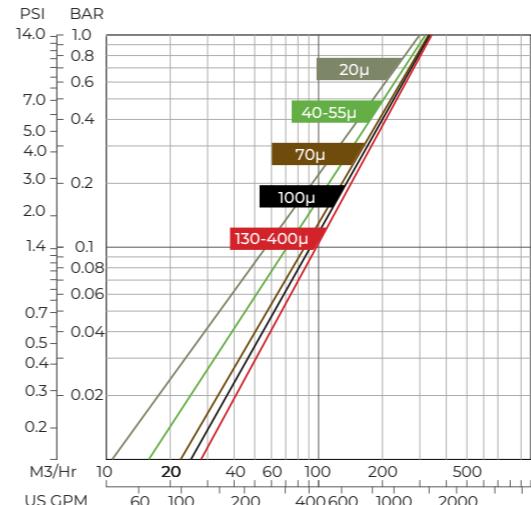
Nova Plus 6" Ex.s **5 units**



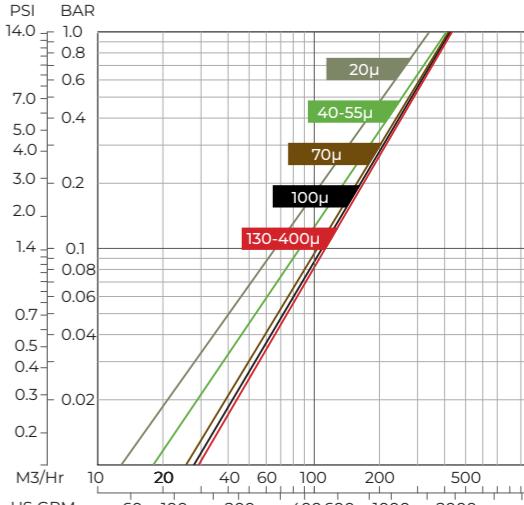
Nova Plus 6" Ex.s **6 units**



Nova Plus 6" Ex.s **7 units**



Nova Plus 6" Ex.s **8 units**



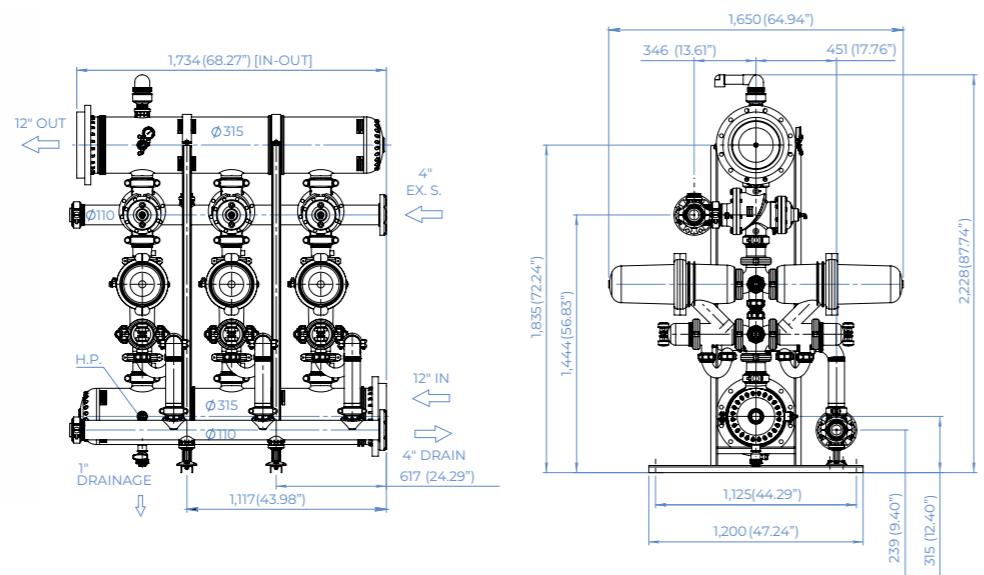
NOTE: Graphs are for general reference only. Consult your authorized Amiad representative for application specific parameters.

4" Spin Klin™ Nova Plus Battery

External Source



mm (inch)

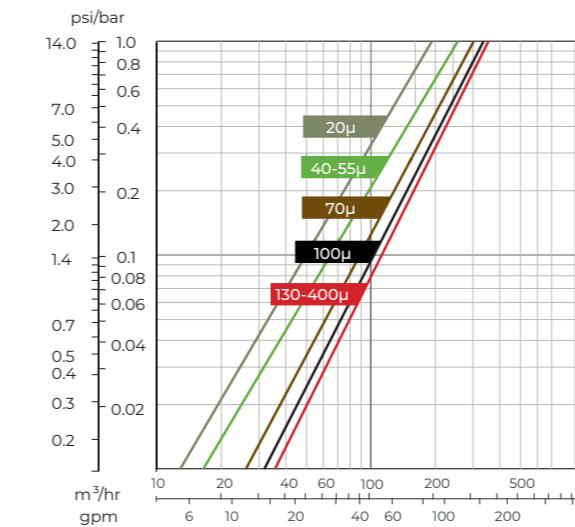


Technical Specifications

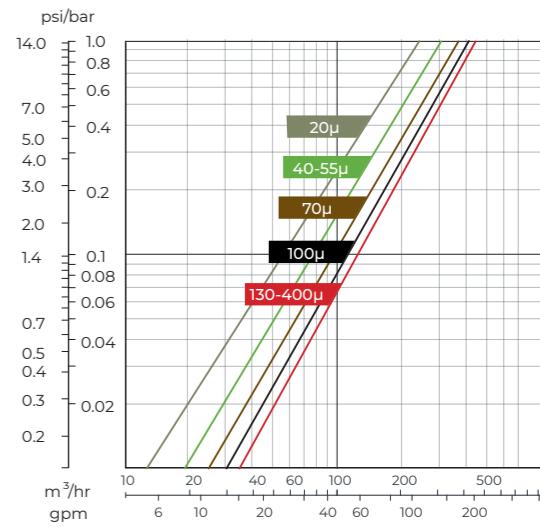
Filter type	3 unit battery	4 unit battery	5 unit battery	6 unit battery	7 unit battery	
General data						
Max. operating pressure		10 bar (145 psi)				
Min. operating pressure		2 bar (30 psi)				
Max. recommended flow rate	100μ	300 m³/h (1,321 gpm)	400 m³/h (1,761 gpm)	500 m³/h (2,201 gpm)	600 m³/h (2,642 gpm)	700 m³/h (3,082 gpm)
	55μ	192 m³/h (845 gpm)	256 m³/h (1,127 gpm)	320 m³/h (1,409 gpm)	384 m³/h (1,691 gpm)	448 m³/h (1,972 gpm)
	20μ	108 m³/h (475 gpm)	144 m³/h (634 gpm)	180 m³/h (792 gpm)	216 m³/h (951 gpm)	252 m³/h (1,109 gpm)
Available filtration degrees		400, 200, 130, 100, 55, 40, 20 micron				
Filtration volume	18,852 cm³ (1,150 in³)	25,136 cm³ (1,534 in³)	31,420 cm³ (1,917 in³)	37,704 cm³ (2,300 in³)	43,988 cm³ (2,684 in³)	
Filtration area	15,720 cm² (2,437 in²)	20,960 cm² (3,249 in²)	26,200 cm² (4,061 in²)	31,440 cm² (4,873 in²)	36,680 cm² (5,685 in²)	
Inlet/Outlet diameter	280 mm (10")	315 mm (12")				
Max. operating temperature	60°C (140°F)					
Dry weight external source system	503 kg (1,109 lb)	590 kg (1,301 lb)	677 kg (1,493 lb)	764 kg (1,684 lb)	851 kg (1,876 lb)	
Backwash data						
Valve drain port	100 mm (4")					
Flushing time	15-20 seconds					
Min. flow for backwash	48-50 m³/h (211-220 gpm)					

Head Loss Graph (in clean water)

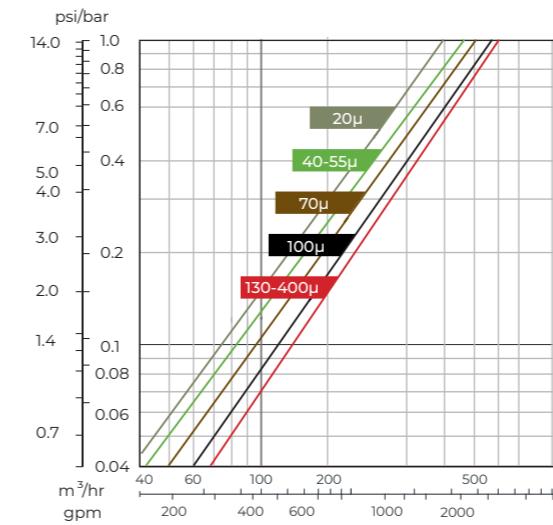
Nova Plus 10" Ex.s **3 units**



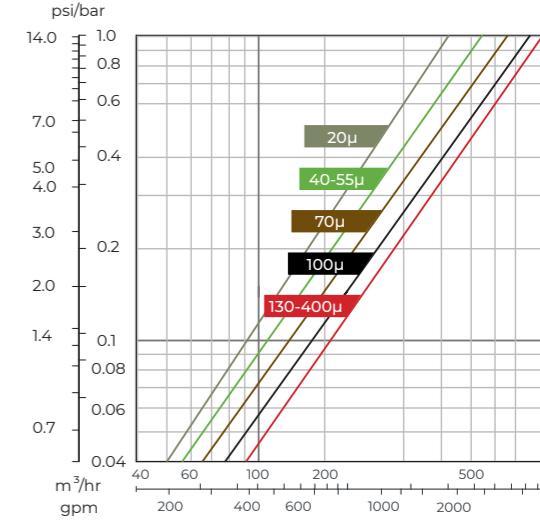
Nova Plus 12" Ex.s **4 units**



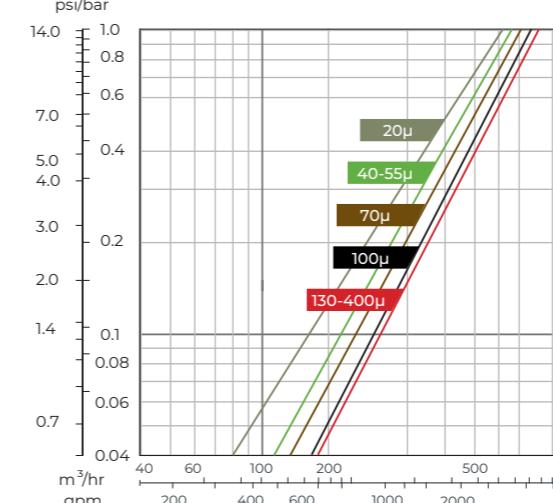
Nova Plus 12" Ex.s **5 units**



Nova Plus 12" Ex.s **6 units**



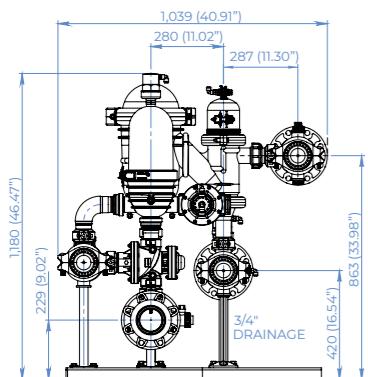
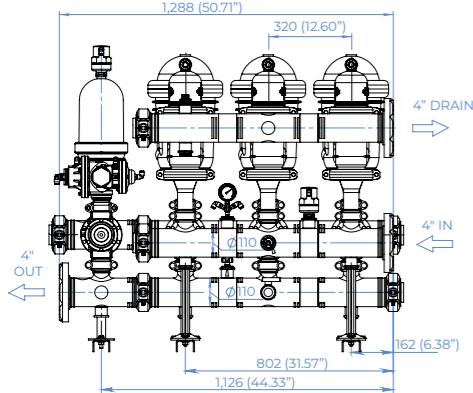
Nova Plus 12" Ex.s **7 units**



NOTE: Graphs are for general reference only. Consult your authorized Amiad representative for application specific parameters.

2" Spin Klin™ Nova Battery

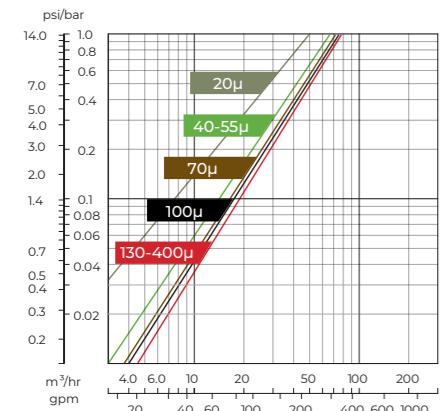
Air Aided



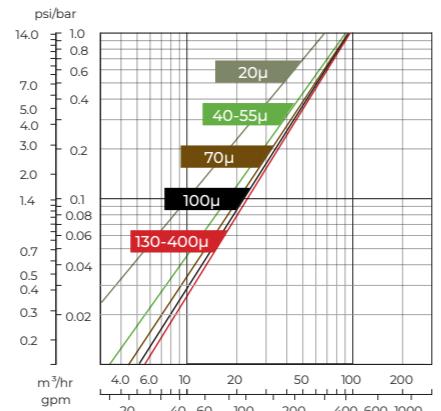
mm (inch)

Head Loss Graph (in clean water)

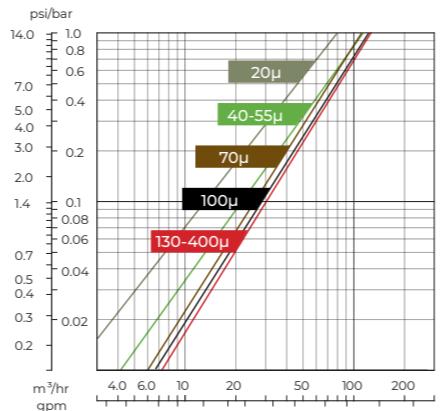
Nova 2" AAF 2 units



Nova 2" AAF 3 units



Nova 2" AAF 4 units



NOTE: Graphs are for general reference only. Consult your authorized Amiad representative for application specific parameters.

Filter Type	2 unit battery	3 unit battery	4 unit battery	
General data				
Max. operating pressure*		10 bar (145 psi)		
Min. downstream pressure		1 bar (15 psi)		
Max. recommended flow rate	100µ	28 m³/h (123 gpm)	42 m³/h (185 gpm)	56 m³/h (246 gpm)
	55µ	20 m³/h (88 gpm)	30 m³/h (132 gpm)	40 m³/h (176 gpm)
	20µ	10 m³/h (44 gpm)	15 m³/h (44 gpm)	25 m³/h (66 gpm)
Filtration volume		1,760 cm³ (107 in³)	3,444 cm³ (210 in³)	4,592 cm³ (280 in³)
Filtration area	2,296 cm² (356 in²)	3,444 cm² (210 in²)	4,592 cm² (280 in²)	
Inlet/Outlet diameter	100 mm (4")	100 mm (4")		
Max. operating temperature*	60°C (140°F)			
Dry weight standard	128 kg (282 lb)	142 kg (313 lb)	156 kg (344 lb)	
Air flow requirements	270 l/min (71 gpm) at 6-8 bar (87-116 psi)			

* Max. operating pressure and temperature are interdependent parameters and are given for general reference only. Please consult your authorized Amiad representative for the application specific parameters.

Backwash data	
Valve drain port	100 mm (4")
Flushing time**	7 sec
Backwash volume (not including air)**	12 liter (3.2 gallons)

** Air Aided system flushing time and volume depend on air tank size.



Over 60 years of innovation

Amiad Water Systems is a world leader in water filtration and water treatment solutions.

For over 60 years, we have devoted our passion and commitment to pioneering new filtration technologies, developing a comprehensive line of water filtration systems for agricultural and industrial applications.

Built for efficiency and reliability, our cutting-edge filters offer the latest innovation, backed by performance, quality, service and years of field experience.

With our screen, disc, microfiber and media technologies, we can effectively treat and filter water according to each customer's specific requirements.

Spin Klin™ Nova takes disc filtration technology to the next level, with high performance and optimal flexibility, allowing you to design your filtration system today to meet tomorrow's operational needs.



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