

2" Spin Klin™

Automatic disc filtration system for low to medium flow rates in a compact footprint



inlet/outlet

**80 - 150 mm
(3" - 6")**

flow rate

**10-120 m³/h
(44-530 gpm)**

filtration degrees

**55 - 400
micron**

max. operating pressure

**10 bar
(145 psi)**

features:

- Micron-precise depth filtration of solids
- Innovative disc technology captures and retains large amounts of solids
- Long-term operation with minimal maintenance
- Easy and simple operation
- Short automatic backwash with regulated water volume for a small water footprint
- Permanently eliminates the need to replace filter media
- Compact design

How the 2” Spin Klin™ Systems Work

General

The Arkal 2” Spin Klin™ series are modular, all polymeric, automatic disc filters with a patented self-cleaning backwash mechanism. The 2” Spin Klin™ systems range in flow rates from 10 m³/h (44 gpm) to 90 m³/h (396 gpm) with filtration degrees ranging from 55 - 400 micron. Inlet/Outlet from 80 - 150 mm (3” - 6”) diameter.

The Filtration Process

The discs are stacked on the Spin Klin™ spine and assembled according to pre-determined water filtration requirements. During filtration, the discs are compressed by means of a pre-loaded spring and differential pressure, forcing the water to pass through the grooved disc surface, thus trapping the solids.

The Backwash Process

Activated by a pre-determined time command or differential pressure, the system enters backwash mode. The inlet valve port shuts as the drain valve port opens. During the backwash process, pressure is released and the spine’s piston elevates, releasing the compression on the discs. Tangential jets of filtered water are then forced through the nozzles positioned along the spine. At this stage the discs spin freely, loosening the trapped solids which are then flushed out. During the flushing cycle each filter pod is backwashed sequentially, while the other pods continue to supply filtered water downstream. When a pod begins the backwash cycle, the system valves automatically reverse the flow in the pod, allowing filtered downstream pressurized water to backwash the filter.



Construction materials	
Filter Housing & Lid	RPA (Reinforce Polyamide) or RPP (Reinforce Polypropylene)
Disc elements	PP (Polypropylene) or PA (Polyamide)
Backwash valves	RPA (Reinforce Polyamide) or RPP (Reinforce Polypropylene)
Manifolds	PP (Polypropylene)
Seals	NBR or EPDM, (Viton optional)
Control Tubing	PE or PA

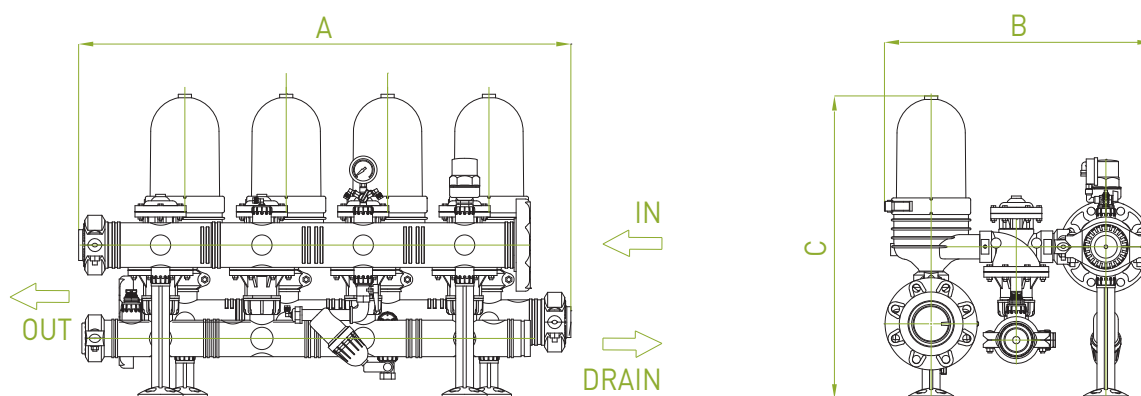
Disc material type availability according to filtration degree:

Color Code	Gray	Purple	Green	Brown	Black	Red	Yellow	Blue
Micron	20	40	55	70	100	130	200	400
PP Disc PA (Nylon) Disc	PP, PA	PP	PP, PA	PP, PA	PP, PA	PP, PA	PP, PA	PP

Filter Type		2 unit battery		3 unit battery		4 unit battery	
General Data							
Max. working pressure		10 bar (145 psi)					
Min. backwash pressure		2.8 bar (40.6 psi)					
Maximum recommended flow rate	130μ	30 m³/h (132 gpm)	45 m³/h (198 gpm)		60 m³/h (264 gpm)		
Filtration volume		2,296 cm³ (140 in³)	3,444 cm³ (210 in³)		4,592 cm³ (280 in³)		
Filtration area		1,760 cm² (272 in²)	2,640 cm² (409 in²)		3,520 cm² (546 in²)		
Inlet/Outlet diameter		80 mm (3"), 100 mm (4")		100 mm (4")			
Max. working temperature		60°C (140°F)					
Dry weight standard		27 kg (59.5 lb)		38 kg (83.7 lb)		49 kg (108 lb)	

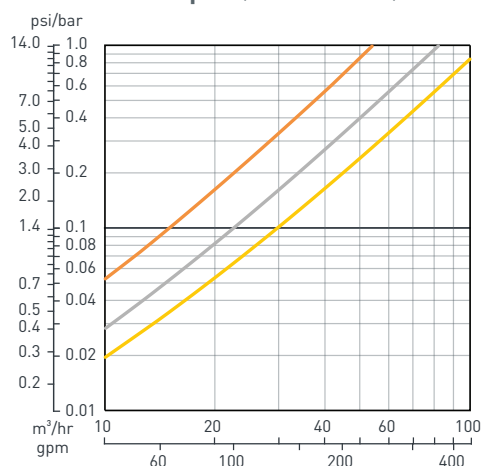
Backwash Data	
Valve drain port	50 mm (2")
Flushing time	20 seconds
Min. flow for backwash	10 m³/h (44 gpm)

Typical Installation Drawing



Dimensions		2 unit battery	3 unit battery	4 unit battery
A	Length	706 mm (28")	964 mm (38")	1,214 mm (48")
B	Width	660 mm (26")		
C	Height	747 mm (30")		

Head Loss Graphs (in clean water)



*head loss is based on a 130 micron disc

— 2 unit — 3 unit — 4 unit

2" Spin Klin™ Compact

Automatic Compact (stand alone)
disc filter for low flow rates



inlet/outlet

**50 mm
(2")**

max. flow rate

**15 m³/h
(66 gpm)**

filtration degrees

**20 – 400
micron**

max. operating pressure

**10 bar
(145 psi)**

features:

- Micron-precise depth filtration of solids
- Innovative disc technology captures and retains large amounts of solids
- Long-term operation with minimal maintenance
- Easy and simple operation
- Short automatic backwash with regulated water volume for a small water footprint
- Permanently eliminates the need to replace filter media
- Compact design

How the 2" Spin Klin™ Compact Filters Work

General

The Arkal 2" Spin Klin™ Compact filter is a stand alone, polymeric, automatic disc filters with a patented self-cleaning backwash mechanism. The Arkal 2" Spin Klin™ Compact filter is for flow rates of up to 20 m³/h (88 gpm) with filtration degrees ranging from 20 – 400 micron.

Inlet /Outlet - 50 mm (2") diameter.

The Filtration Process

The discs are stacked on the Spin Klin™ spine and assembled according to pre-determined water filtration requirements. During filtration, the discs are compressed by means of a pre-loaded spring and differential pressure, forcing the water to pass through the grooved disc surface, thus trapping the solids.

The Backwash Process

Activated by a pre-determined time command or differential pressure, the filter enters backwash mode. The inlet valve port shuts as the drain valve port opens. Water flows through a bypass filter screen into the outlet valve and into the filter. During the backwash process, pressure is released and the spine's piston elevates, releasing the compression on the discs. Tangential jets of filtered water are then forced through the nozzles positioned along the spine. At this stage the discs spin freely, loosening the trapped solids which are then flushed out.

*Please note: During backwash of the 2" Spin Klin™ Compact, downstream flow is suspended.



Construction materials	
Filter Housing & Lid	RPA (Reinforce Polyamide) or RPP (Reinforce Polypropylene)
Disc elements	PP (Polypropylene) or PA (Polyamide)
Backwash valves	RPA (Reinforce Polyamide) or RPP (Reinforce Polypropylene)
Manifolds	PP (Polypropylene)
Seals	NBR or EPDM, (Viton optional)
Control Tubing	PE or PA

Disc material type availability according to filtration degree:

Color Code	Gray	Purple	Green	Brown	Black	Red	Yellow	Blue
Micron	20	40	55	70	100	130	200	400
PP Disc PA (Nylon) Disc	PP, PA	PP	PP, PA	PP, PA	PP, PA	PP, PA	PP, PA	PP

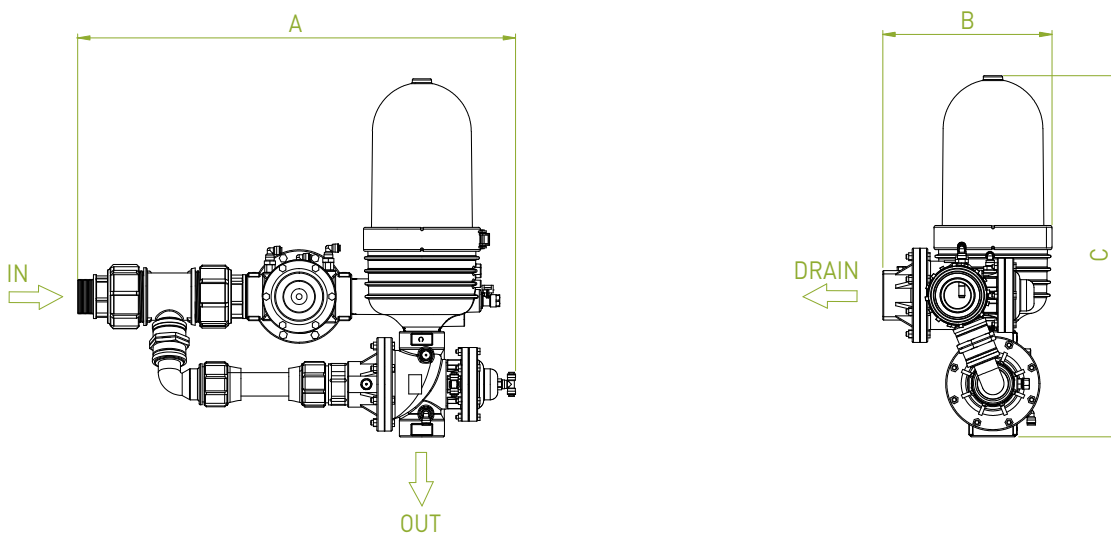
Filter Type	2" Spin Klin™ Compact
-------------	-----------------------

General Data		
Max. working pressure*		10 bar (145 psi)
Min. backwash pressure		2.8 bar (40.6 psi)
Max. recommended flow rates	130μ	15 m³/h (66 gpm)
Filtration volume		1,148 cm³ (70 in³)
Filtration area		880 cm² (124 in²)
Inlet/Outlet diameter		50 mm (2")
Max. working temperature*		60°C (140°F)
Dry weight		20 kg (44 lb)

* Maximum 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.

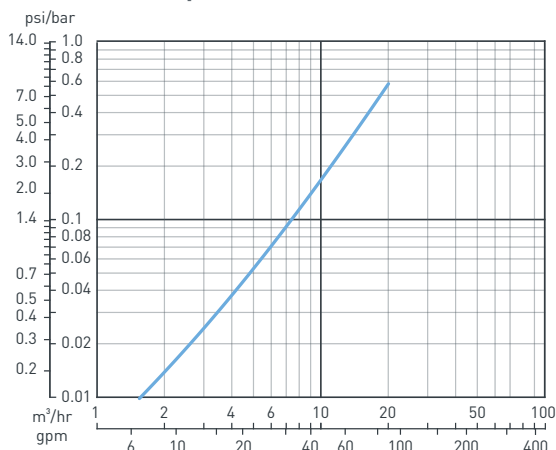
Backwash Data		
Exhaust valve		50 mm (2")
Flushing time		20 sec
Minimum flow for backwash		10 m³/h (44 gpm)

Typical Installation Drawing



Dimensions		1 unit battery
A	Length	749 mm (29 1/2")
B	Width	287 mm (11 5/16")
C	Height	612 mm (24 3/32")

Head Loss Graphs (in clean water)



*head loss is based on a 130 micron disc — 1 unit

3" Spin Klin™ Apollo

Automatic disc filtration system with large filtration area



inlet/outlet

**150 - 200 mm
(6" - 8")**

flow rates

**80 - 320 m³/h
(396 - 1,409 gpm)**

filtration degrees

**55 - 400
micron**

max. working pressure

**10 bar
(145 psi)**

features:

- Micron-precise depth filtration of solids
- Innovative disc technology captures and retains large amounts of solids
- Long-term operation with minimal maintenance
- Easy and simple operation
- Short automatic backwash with regulated water volume for a small water footprint
- Permanently eliminates the need to replace filter media
- Compact design

How the 3" Spin Klin™ Apollo Systems Work

General

The Apollo 3" Spin Klin™ series are modular, all polymeric, automatic disc filters with a patented self-cleaning backwash mechanism. The 3" Apollo systems range in flow rates from 80 m³/h (352 gpm) to 320 m³/h (1,409 gpm) with filtration degrees ranging from 55 – 400 micron. Inlet /Outlet from 150 - 200 mm (6" – 8") diameter.

The Filtration Process

The discs are stacked on the Spin Klin™ spine and assembled according to pre-determined water filtration requirements. During filtration, the discs are compressed by means of a pre-loaded spring and differential pressure, forcing the water to pass through the grooved disc surface, thus trapping the solids.

The Backwash Process

Activated by a pre-determined time command or differential pressure, the system enters backwash mode. The inlet valve port shuts as the drain valve port opens. During the backwash process, pressure is released and the spine's piston elevates, releasing the compression on the discs. Tangential jets of filtered water are then forced through the nozzles positioned along the spine. At this stage the discs spin freely, loosening the trapped solids which are then flushed out. During the flushing cycle each filter pod is backwashed sequentially, while the other pods continue to supply filtered water downstream. When a pod begins the backwash cycle, the system valves automatically reverse the flow in the pod, allowing filtered downstream pressurized water to enter the backwashed filter.

The Apollo Spine Technology Offers:

- Significantly larger filtration area (in length and diameter, triple the 2" disc)
- Reduction in required number of valves and accessories
- Optional use of low pressure backwash spines, as low as 1.5 bar
- Sea water polymeric materials available
- Lower backwash flow during cleaning process
- Unique design offers the largest disc element technology on the market

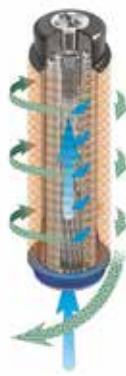
Construction materials	
Filter Housing & Lid	PP (Polypropylene)
Disc elements	PP (Polypropylene) or PA (Polyamide)
Backwash valves	RPA (Reinforce Polyamide) or RPP (Reinforce Polypropylene)
Manifolds	PP (Polypropylene)
Seals	NBR or EPDM, (Viton optional)
Control Tubing	PE or PA



Apollo spine



Filtration mode



Backwash mode

Disc material type availability according to filtration degree:

Color Code	Gray	Green	Black	Red	Yellow	Blue
Micron degree	20	55	100	130	200	400
PP Disc/PA (Nylon) Disc	PP	PP, PA	PP	PP	PP	PP

Filter Type	3 unit battery	4 unit battery	5 unit battery	6 unit battery	7 unit battery	8 unit battery
-------------	----------------	----------------	----------------	----------------	----------------	----------------

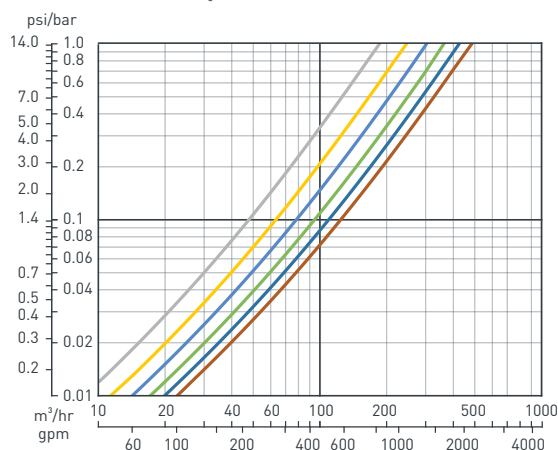
General Data							
Max. working pressure*		10 bar (145 psi)					
Min. backwash pressure		2 bar (30 psi)					
Max. recommended flow rate	130μ	120 m³/h (528 gpm)	160 m³/h (704 gpm)	200 m³/h (880 gpm)	240 m³/h (1057 gpm)	280 m³/h (1233 gpm)	320 m³/h (1409 gpm)
Filtration volume		9,426 cm³ (575 in³)	12,568 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 (2,437 in²)	18,340 cm² (2,843 in²)	20,960 cm² (3,249 in²)
Inlet/Outlet diameter		150 mm (6")			150/200 mm (6"/8")	200 mm (8")	
Max. working temperature*		60°C (140°F)					
Dry weight standard		125 kg (275 lb)	155 kg (341 lb)	190 kg (418 lb)	220 kg (484 lb)	255 kg (561 lb)	285 kg (627 lb)

* Maximum 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	80 mm (3")
Flushing time	30 seconds
Min. flow for backwash	24 m³/h (106 gpm)



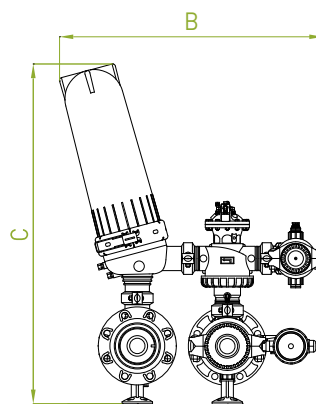
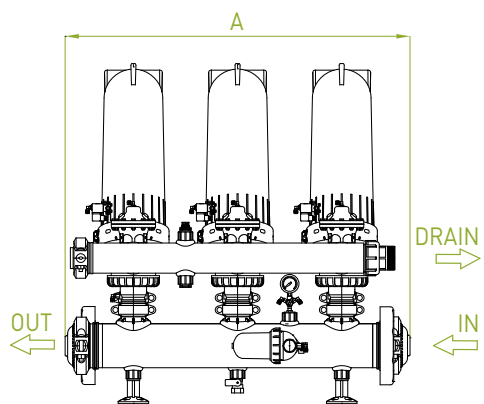
Head Loss Graphs (in clean water)



*head loss is based on a 130 micron disc

— 3 unit — 4 unit — 5 unit — 6 unit — 7 unit — 8 unit

Typical Installation Drawing



Dimensions		3 unit battery	4 unit battery	5 unit battery	6 unit battery	7 unit battery	8 unit battery
A	Length	1,160 mm (45 21/32")	1,540 mm (60 5/8")	1,920 mm (75 19/32")	2,300 mm (90 9/16")	2,680 mm (105 1/2")	3,060 mm (120 15/32")
B	Width	941 mm (37 1/16")					
C	Height	1,218 mm (47 15/16")					

3" Spin Klin™

Automatic disc filtration system for low to medium flow rates in a compact footprint



inlet/outlet

**150 - 200 mm
(6" - 8")**

flow rate

**90-200 m³/h
(400-880 gpm)**

filtration degrees

**55 - 400
micron**

max. operating pressure

**10 bar
(145 psi)**

features:

- Micron-precise depth filtration of solids
- Innovative disc technology captures and retains large amounts of solids
- Long-term operation with minimal maintenance
- Easy and simple operation
- Short automatic backwash with regulated water volume for a small water footprint
- Permanently eliminates the need to replace filter media
- Compact design

How the 3” Spin Klin™ Systems Work

General

The Arkal 3” Spin Klin™ series are modular, all polymeric, automatic disc filters with a patented self-cleaning backwash mechanism. The 3” Spin Klin™ systems range in flow rates from 90 m³/h (396 gpm) to 200 m³/h (880 gpm) with filtration degrees ranging from 55 - 400 micron. Inlet/Outlet from 160 - 200 mm (6”- 8”) diameter.

The Filtration Process

The discs are stacked on the Spin Klin™ spine and assembled according to pre-determined water filtration requirements. During filtration, the discs are compressed by means of a pre-loaded spring and differential pressure, forcing the water to pass through the grooved disc surface, thus trapping the solids.

The Backwash Process

Activated by a pre-determined time command or differential pressure, the system enters backwash mode. The inlet valve port shuts as the drain valve port opens. During the backwash process, pressure is released and the spine’s piston elevates, releasing the compression on the discs. Tangential jets of filtered water are then forced through the nozzles positioned along the spine. At this stage the discs spin freely, loosening the trapped solids which are then flushed out. During the flushing cycle each filter pod is backwashed sequentially, while the other pods continue to supply filtered water downstream. When a pod begins the backwash cycle, the system valves automatically reverse the flow in the pod, allowing filtered downstream pressurized water to backwash the filter.



Construction materials	
Filter Housing & Lid	RPA (Reinforce Polyamide) or RPP (Reinforce Polypropylene)
Disc elements	PP (Polypropylene) or PA (Polyamide)
Backwash valves	RPA (Reinforce Polyamide) or RPP (Reinforce Polypropylene)
Manifolds	PP (Polypropylene)
Seals	NBR or EPDM, (Viton optional)
Control Tubing	PE or PA

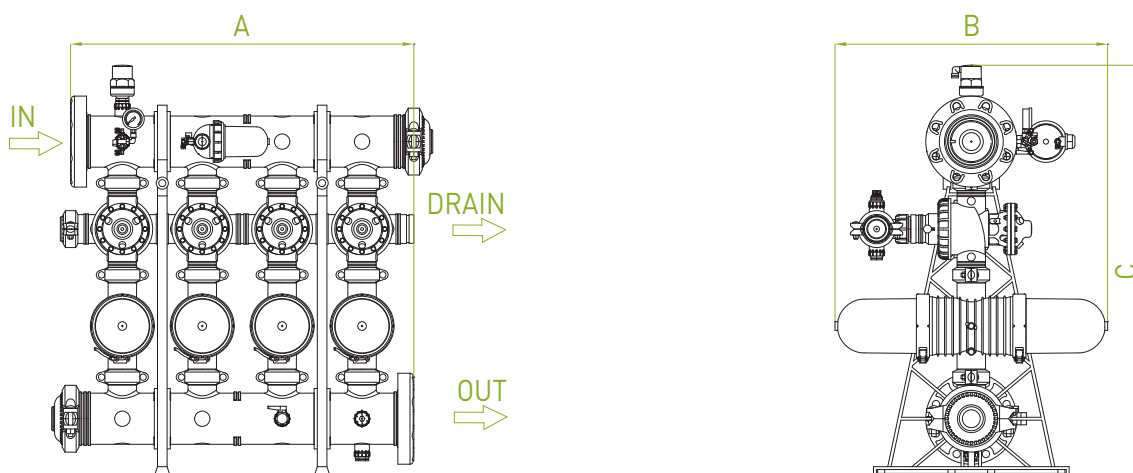
Disc material type availability according to filtration degree:

Color Code	Gray	Purple	Green	Brown	Black	Red	Yellow	Blue
Micron	20	40	55	70	100	130	200	400
PP Disc PA (Nylon) Disc	PP, PA	PP	PP, PA	PP, PA	PP, PA	PP, PA	PP, PA	PP

Filter Type		3 unit battery	4 unit battery	5 unit battery
General Data				
Max. working pressure		10 bar (145 psi)		
Min. backwash pressure		2.8 bar (40.6 psi)		
Maximum recommended flow rate	130μ	90 m ³ /h (396 gpm)	120 m ³ /h (527 gpm)	150 m ³ /h (660 gpm)
Filtration volume		6,888 cm ³ (420 in ³)	9,184 cm ³ (560 in ³)	11,480 cm ³ (700 in ³)
Filtration area		5,280 cm ² (818 in ²)	7,044 cm ² (1,092 in ²)	8,800 cm ² (1,364 in ²)
Inlet/Outlet diameter		150 mm (6")		
Max. working temperature		60°C (140°F)		
Dry weight standard		95 kg (209 lb)	115 kg (253 lb)	135 kg (297 lb)

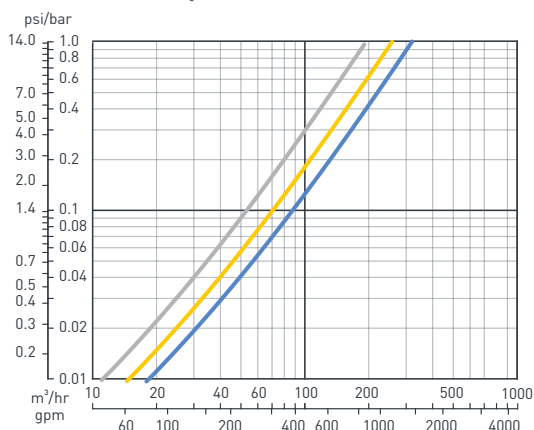
Backwash Data	
Valve drain port	80 mm (3")
Flushing time	30 seconds
Min. flow for backwash	20 m ³ /h (88 gpm)

Typical Installation Drawing



Dimensions		3 unit battery	4 unit battery	5 unit battery
A	Length	942 mm (37 3/32")	1192 mm (46 15/16")	1442 mm (56 25/32")
B	Width	853 mm (33 19/32")		
C	Height	1287 mm (50 21/32")		

Head Loss Graphs (in clean water)



*head loss is based on a 130 micron disc

— 3 unit — 4 unit — 5 unit

4" Spin Klin™ Apollo

Automatic disc filtration system with large filtration area for high flow rates



inlet/outlet

**250 - 300 mm
(10" - 12")**

flow rates

**180 - 600 m³/h
(790 - 2,640 gpm)**

filtration degrees

55 - 400 micron

max. working pressure

**10 bar
(145 psi)**

features:

- Micron-precise depth filtration of solids
- Innovative disc technology captures and retains large amounts of solids
- Long-term operation with minimal maintenance
- Easy and simple operation
- Short automatic backwash with regulated water volume for a small water footprint
- Permanently eliminates the need to replace filter media
- Compact design

How the 4" Spin Klin™ Apollo Systems Work

General

The Apollo 4" Spin Klin™ series are modular, all polymeric, automatic disc filters with a patented self-cleaning backwash mechanism. The 4" Apollo systems range in flow rates from 180 m³/h (792 gpm) to 600 m³/h (2,640 gpm) with filtration degrees ranging from 55 – 400 micron. Inlet /Outlet from 250 - 300 mm (10" – 12") diameter.

The Filtration Process

The discs are stacked on the Spin Klin™ spine and assembled according to pre-determined water filtration requirements. During filtration, the discs are compressed by means of a pre-loaded spring and differential pressure, forcing the water to pass through the grooved disc surface, thus trapping the solids.

The Backwash Process

Activated by a pre-determined time command or differential pressure, the system enters backwash mode. The inlet valve port shuts as the drain valve port opens. During the backwash process, pressure is released and the spine's piston elevates, releasing the compression on the discs. Tangential jets of filtered water are then forced through the nozzles positioned along the spine. At this stage the discs spin freely, loosening the trapped solids which are then flushed out. During the flushing cycle each filter pod is backwashed sequentially, while the other pods continue to supply filtered water downstream. When a pod begins the backwash cycle, the system valves automatically reverse the flow in the pod, allowing filtered downstream pressurized water to enter the backwashed filter.

The Apollo Spine Technology Offers:

- Significantly larger filtration area (in length and diameter, triple the 2" disc)
- Reduction in required number of valves and accessories
- Optional use of low pressure backwash spines, as low as 1.5 bar
- Sea water polymeric materials available
- Lower backwash flow during cleaning process
- Unique design offers the largest disc element technology on the market

Construction materials	
Filter Housing & Lid	PP (Polypropylene)
Disc elements	PP (Polypropylene) or PA (Polyamide)
Backwash valves	RPA (Reinforce Polyamide)
Manifolds	PP (Polypropylene)
Seals	NBR or EPDM, (Viton optional)
Control Tubing	PE or PA



Apollo spine



Filtration mode



Backwash mode

Disc material type availability according to filtration degree:

Color Code	Gray	Green	Black	Red	Yellow	Blue
Micron degree	20	55	100	130	200	400
PP Disc/PA (Nylon) Disc	PP	PP, PA	PP	PP	PP	PP

Filter Type	3 unit battery	4 unit battery	5 unit battery	6 unit battery	7 unit battery	8 unit battery
-------------	----------------	----------------	----------------	----------------	----------------	----------------

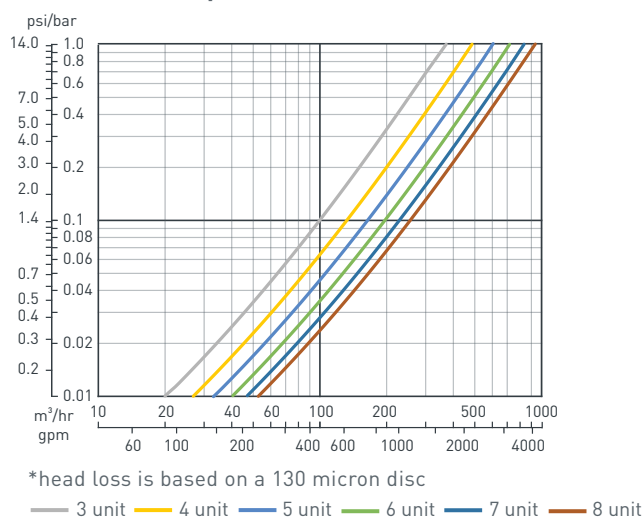
General Data							
Max. working pressure*		10 bar (145 psi)					
Min. backwash pressure		2 bar (30 psi)					
Maximum recommended flow rate	130μ	240 m³/h (1,057 gpm)	320 m³/h (1,409 gpm)	400 m³/h (1,761 gpm)	480 m³/h (2,113 gpm)	560 m³/h (2,466 gpm)	640 m³/h (2,818 gpm)
Filtration volume		18,852 cm³ (1,150 in³)	25,136 cm³ (1,534 in³)	31,420 cm³ (1,917 in³)	37,704 cm³ (2,300 in³)	43,998 cm³ (2,685 in³)	50,272 cm³ (3,068 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)	41,920 cm² (6,498 in²)
Inlet/Outlet diameter		250 mm (10")			250/300 mm (10"/12")	300 mm (12")	
Max. working temperature*		60°C (140°F)					
Dry weight standard		158 kg (351 lb)	205 kg (455 lb)	252 kg (560 lb)	299 kg (644 lb)	366 kg (813 lb)	433 kg (962 lb)

* Maximum 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.

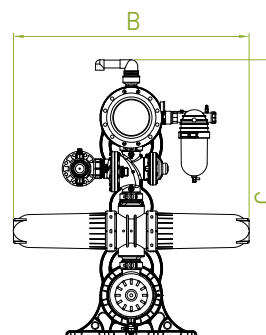
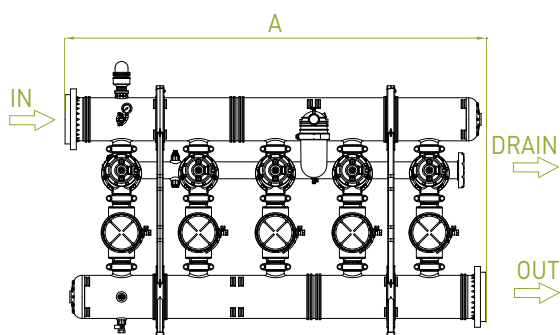
Backwash Data							
Valve drain port		100 mm (4")					
Flushing time		40 seconds					
Min. flow for backwash		48 m ³ /h (211 gpm)					



Head Loss Graphs (in clean water)



Typical Installation Drawing



Dimensions		3 unit battery	4 unit battery	5 unit battery	6 unit battery	7 unit battery	8 unit battery
A	Length	1,734 mm (68")	2,234 mm (89")	2,734 mm (108")	3,234 mm (127")	3,734 mm (147")	4,234 mm (166")
B	Width	1,531 mm (60")					
C	Height	1,810 mm (71")				1,830 mm (72")	

4" Spin Klin™ Galaxy

Automatic disc filtration system for high flow rates



inlet/outlet connection

**200 - 400 mm
(8" - 16")**

flow rates

**200 - 3000 m³/h
(880 - 13200 gpm)**

filtration degrees

**55 - 400
micron**

max. working pressure

**10 bar
(145 psi)**

features:

- Micron-precise depth filtration of solids
- Innovative disc technology captures and retains large amounts of solids
- Long-term operation with minimal maintenance
- Easy and simple operation
- Short automatic backwash with regulated water volume for a small water footprint
- Permanently eliminates the need to replace filter media
- Compact design

How the 4” Galaxy Systems Work

General

The Galaxy 4” Spin Klin™ series are modular, all polymeric, automatic disc filters with a patented self-cleaning backwash mechanism. The 4” Galaxy systems range in flow rates from 200 m³/h (880 gpm) to 3,000 m³/h. (13,200 gpm) with filtration degrees ranging from 55 – 400 micron. Inlet/Outlet from 200 - 400 mm (8” – 16”) diameter.

The Filtration Process

The discs are stacked on the Spin Klin™ spine and assembled according to pre-determined water filtration requirements. During filtration, the discs are compressed by means of a pre-loaded spring and differential pressure, forcing the water to pass through the grooved disc surface, thus trapping the solids.

The Backwash Process

Activated by a pre-determined time command or differential pressure, the system enters backwash mode. The inlet valve port shuts as the drain valve port opens. During the backwash process, pressure is released and the spine’s piston elevates, releasing the compression on the discs. Tangential jets of filtered water are then forced through the nozzles positioned along the spine. At this stage the discs spin freely, loosening the trapped solids which are then flushed out. During the flushing cycle each filter pod is backwashed sequentially, while the other pods continue to supply filtered water downstream. When a pod begins the backwash cycle, the system valves automatically reverse the flow in the pod, allowing filtered downstream pressurized water to backwash the filter.

Construction materials	
Filter Housing & Lid	RPA (Reinforce Polyamide) & RPP (Reinforce Polypropylene)
Disc elements	PP (Polypropylene) or PA (Polyamide)
Backwash valves	RPA (Reinforce Polyamide)
Manifolds	PP (Polypropylene)
Seals	NBR or EPDM, (Viton optional)
Control Tubing	PE or PA

Disc material type availability according to filtration degree:

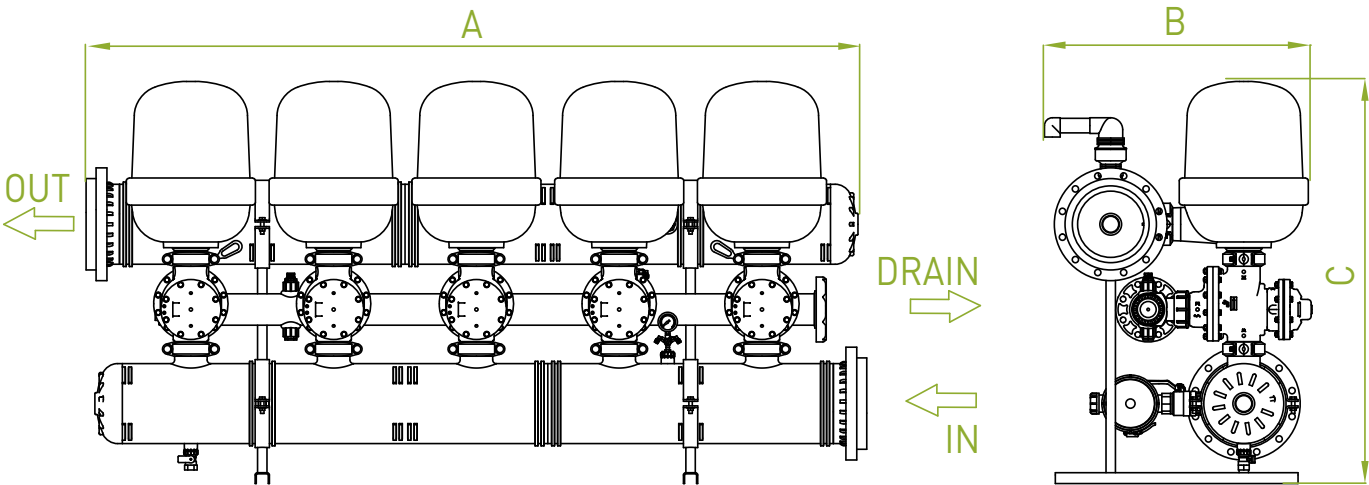
Color Code	Gray	Purple	Green	Brown	Black	Red	Yellow	Blue
Micron	20	40	55	70	100	130	200	400
PP Disc PA (Nylon) Disc	PP, PA	PP	PP, PA	PP, PA	PP, PA	PP, PA	PP, PA	PP

Filter Type		3 unit battery	4 unit battery	5 unit battery	6 unit battery	7 unit battery	8 unit battery
General Data							
Max. working pressure*		10 bar (145 psi)					
Min. backwash pressure		2.8 bar (30 psi)					
Maximum recommended flow rate	130µ	225 m³/h (990 gpm)	300 m³/h (1,321 gpm)	375 m³/h (1,651 gpm)	450 m³/h (1,981gpm)	525 m³/h (2,312 gpm)	600 m³/h (2,642 gpm)
Filtration volume		17,219 cm³ (1,051 in³)	22,959 cm³ (1,401 in³)	28,698 cm³ (1,751 in³)	34,438 cm³ (2,101 in³)	40,177 cm³ (2,451 in³)	45,918 cm³ (2,802 in³)
Filtration area		13,200 cm² (2,046 in²)	17,600 cm² (2,728 in²)	22,000 cm² (3,410 in²)	26,400 cm² (4,092 in²)	30,800 cm² (4,774 in²)	35,200 cm² (5,456 in²)
Inlet/Outlet diameter		200 mm (8”)	250 mm (10”)	250 mm (10”)	300 mm (12”)	300 mm (12”)	350mm (14”)
Max. working temperature*		60°C (140°F)					
Dry weight standard		270 kg (594 lb)	350 kg (770 lb)	440 kg (968 lb)	530 kg (1,166 lb)	670 kg (1,447 lb)	770 kg (1,694 lb)

* Maximum 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.

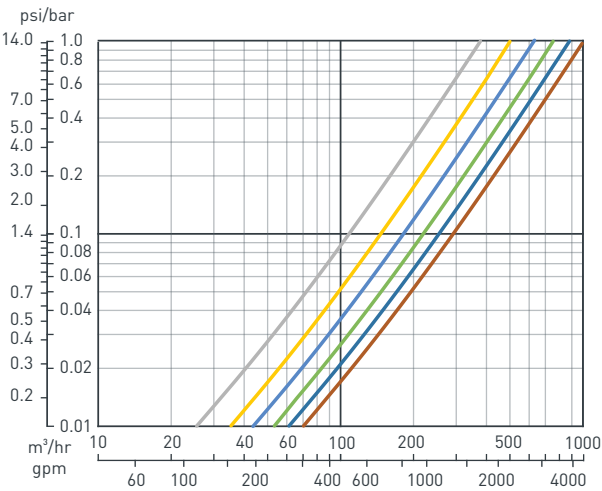
Backwash Data	
Valve drain port	80 mm (3”)
Flushing time	40 seconds
Min. flow for backwash	50 m³/h (220 gpm)

Typical Installation Drawing



Dimensions		3 unit battery	4 unit battery	5 unit battery	6 unit battery	7 unit battery	8 unit battery
A	Length	1,734 mm (68 9/32")	2,234 mm (87 15/16")	2,734 mm (107 5/8")	3,234 mm (127 5/16")	3,734 mm (147")	4,234 mm (166 11/16")
B	Width	822 mm (32 3/8")		890 mm (35 1/32")		968 mm (38 1/8")	
C	Height	1,370 mm (53 15/16")		1,408 mm (55 7/16")		1,466 mm (57 23/32")	

Head Loss Graphs (in clean water)



*head loss is based on a 130 micron disc
— 3 unit — 4 unit — 5 unit — 6 unit — 7 unit — 8 unit