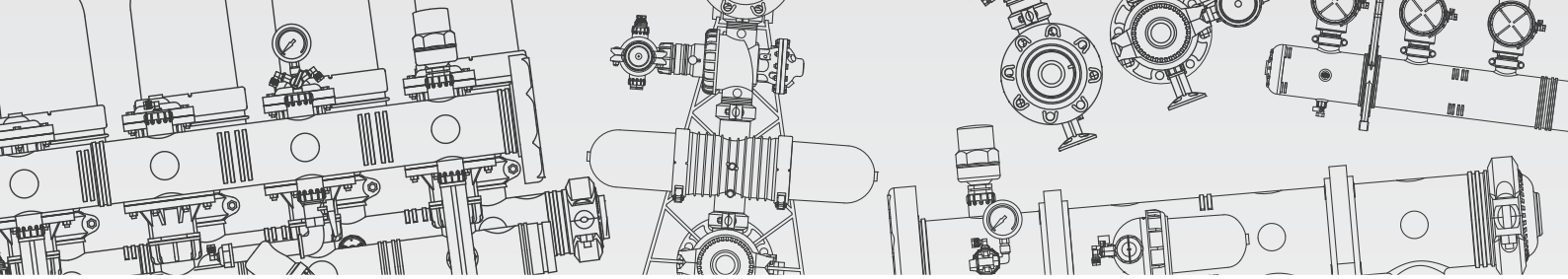


NETAFIM DISC FILTERS - 4" Spin Klin™ Apollo Twin

WHAT MAKES NETAFIM'S AUTOMATIC DISC FILTERS THE MOST TRUSTED FILTRATION SYSTEM FOR IRRIGATION?

Disc filtration is depth filtration, which means it blocks much more dirt compared to other technologies, such as screen filters. Furthermore, it is the most effective filtration for surface water, and water containing organic contaminants. Along with automatic back flushing, corrosion resistance and small footprint, disc filtration also provides unmatched efficiency and reliability.

APPLICATION

- Primary filtration system for drip, sprinklers and micro sprinklers irrigation system
- Protects irrigation systems using surface water from lakes, reservoirs and ponds - typically contains various and ever-changing types of organic matter, mostly algae

THE NETAFIM ADVANTAGE - SUPERIOR PROTECTION ACROSS EVERY DIMENSION

Being the world's experts in irrigation, we know what it takes to prevent clogging, ensure irrigation uniformity, and protect your system. Compared to other solutions, 4" Spin Klin™ Apollo Twin offers:

1) Better dirt removal that stops 3 times more dirt particles than competitors, thanks to the unique design of its disc grooves
2) Higher filtration area that allows better protection and better irrigation uniformity
3) Less maintenance effort owing to a unique single backbone structure with less moving parts and non-corrosive materials
4) Unmatched service and support for thousands of systems sold worldwide and best-in-class agricultural and technical support.

BE SURE YOU'RE MAKING THE RIGHT COMPARISON

The larger the filtration area size, the better irrigation protection you get. Resulting in less backflush cycles and less wear and tear. A larger filtration area offers better clogging resistance, better irrigation uniformity and a cleaner irrigation system that runs smoothly and lasts much longer.

OTHER FEATURES AND BENEFITS

- Modular design provides flexibility and ability to expand the system
- Easier field installations with small footprint
- Conserves water and energy due to the short and efficient backwash process
- Two different spines for accurate design in terms of filtration area and flushing cycles

DISC COLOR / MESH / MICRON

	BLUE	YELLOW	RED	BLACK
MESH	40	30	120	140
MICRON	400	200	130	100

WATER QUALITY	FILTRATION VELOCITY	4" Spin Klin™ Apollo Twin
GOOD	170	90
AVERAGE	135	70
POOR	110	58

* Recommended flow rates for 130 microns

4" Spin Klin™ Apollo Twin

DESCRIPTION

The 4" Spin Klin™ Apollo Twin series are modular, all polymeric, automatic disc filters with a patented self-cleaning backwash mechanism. 4" Spin Klin™ Apollo Twin 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.

APPLICATION

Primary or secondary automatic filter for maximum protection in systems irrigating with surface water that contain algae and other organic matter such as reservoirs, canals, rivers and wastewater applications.

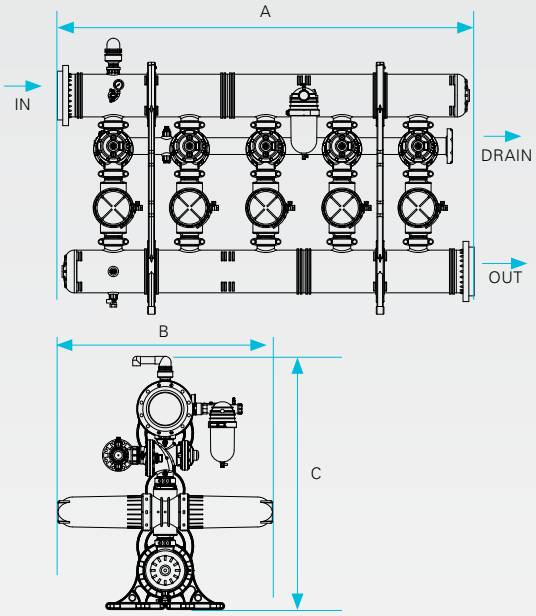
BENEFITS

- High efficiency filtration for maximum irrigation system protection
- High filtration area for better irrigation uniformity and system longevity even in harsh water conditions
- Modular design for ease of installation and expansion
- Durable and long-lasting product made from anti-corrosive materials
- Short and efficient backwash process
- Available for low and high pressure applications - saving water and energy
- Small footprint - saves valuable space

SPECIFICATIONS

- Maximum operating pressure:
  - High pressure model: 10 bar/140 psi
  - Low pressure model: 6 bar/85 psi
- Minimum backflush pressure required:
  - High pressure model: 2.1 bar/30 psi
  - Low pressure model: 1.5 bar/21 psi
- Minimum allowable pH: 5

DIMENSIONS



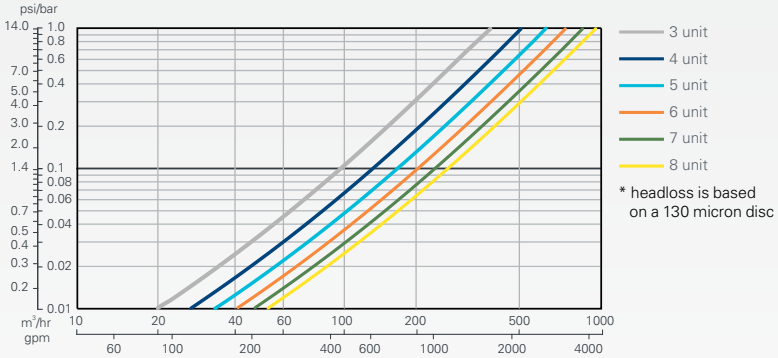
	A	B	C
	LENGTH	WIDTH	HEIGHT
3 UNITS	1,734 mm (68")	1,531 mm (60")	1,810 mm (71")
4 UNITS	2,234 mm (89")		
5 UNITS	2,734 mm (108")		
6 UNITS	3,234 mm (127")		
7 UNITS	3,734 mm (147")		1,830 mm (72")
8 UNITS	4,234 mm (166")		

LOGISTICS DATA

FILTRATION UNITS	IN/OUT MANIFOLDS		SAP CODE	DESCRIPTION
3	8"	ANSI	70605-030627	AK APT S 348 A 130MIC F110AC SOL DC
		DIN	70605-029010	AK APT S 348 D 130MIC F110AC SOL DC
		BSTD		
4	10"	ANSI	70605-015230	AK APT S 4410 A 130MIC F110AC SOL DC
		DIN	70605-015240	AK APT S 4410 D 130MIC F110AC SOL DC
		BSTD		
5	10"	ANSI	70605-015423	AK APT S 5410 A 130MIC F110AC SOL DC
		DIN	70605-025450	AK APT S 5410 D 130MIC F110AC SOL DC
		BSTD		
6	10"	ANSI	70605-060995	AK APT S 6410 A 130MIC F110AC SOL DC
		DIN	70605-015051	AK APT S 6410 D 130MIC F110AC SOL DC
		BSTD		
7	12"	ANSI	70605-015091	AK APT S 7412 A 130MIC F110AC SOL DC
		DIN	70605-020583	AK APT S 7412 D 130MIC F110AC SOL DC
		BSTD		
8	12"	ANSI		
		DIN		
		BSTD	70605-093250	AK APT S 8412 B 130MIC F110AC SOL DC

* Items in the table refer to filtration grade of 130 micron
** Additional filtration grades are available upon request

HEAD LOSS GRAPHS



* headloss is based on a 130 micron disc

TECHNICAL DETAILS

		3 UNITS	4 UNITS	5 UNITS	6 UNITS	7 UNITS	8 UNITS
MAX PRESSURE		10 bar / 150 psi					
MIN BACK FLUSH PRESSURE		2 bar / 30 psi					
RECOMMENDED FLOW RATE (100, 130 MICRONS)	AVERAGE	210 m³/h	280 m³/h	350 m³/h	420 m³/h	490 m³/h	560 m³/h
	POOR	180 m³/h	240 m³/h	300 m³/h	360 m³/h	420 m³/h	480 m³/h
FILTRATION AREA		15,720 cm²	20,960 cm²	26,200 m³/h	31,440 cm²	36,680 cm²	41,920 cm²
BACK FLUSH FLOW RATE		48 m³/h					

* Additional configurations are available upon request