

AZUD Filtration SystemsManual Helix Disc, Disc and Screen Filters

AZUD manual helix disc and screen filters are a cost-effective extension to the existing Dix range of screen and media filtration systems.



Features and Benefits:

- Durable and corrosion-resistant
 Azud filter housings are moulded from UV stabilised glass reinforced nylon.
- Simple construction
 Easily serviced without the need for special tools.
- Modular construction and design
 All models utilise a single range of interchangeable parts.
- Large filtration surface area
 Minimises head loss, thereby saving pump energy and maximising flow rates.
- Unique 'Butterfly' disc closure system
 Easier compression & decompression of discs for cleaning and system maintenance.
- Helix disc filter exclusive helical (hydro-cyclonic) filtration action Longer intervals between cleaning cycles.

Typical Applications:

- Vineyards and orchards
- Low volume drip irrigation
- Recycled water for irrigation
- Aquaculture pond filtration
- Industrial Sites process water
- Pre-filtration for treatment plants
- Cooling tower nozzle protection

Note: Nominal flow rates are determined at 35kPa head loss (130 micron). Flow rates higher than the nominal recommended will increase head losses. Flow rates are dependent on water quality and filtration grade. Contact Dix to discuss project specific flow rates.





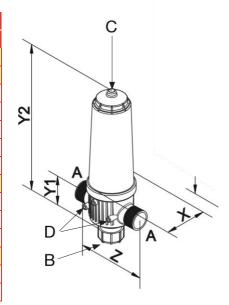


Product Specifications:

AZUD manual helix disc, disc and screen filters are available in a number of configurations, including:

- Helix disc filters with inlet / outlet thread sizes of 2" and 3" BSP
- · Disc filters with inlet / outlet thread sizes of 2" or 3" BSP
- · Screen filters with inlet / outlet thread sizes of 2" and 3" BSP

	Filter Model and Maximum Flow Rates									
Cartridge	2NR	3NR	2NR	2SR	3NR					
Size (micron)	Helix	Helix	Filter	Super	Filter					
Disc										
20	8m³/hr	8m³/hr	8m³/hr	8m³/hr	8m³/hr					
50	15m³/hr	15m³/hr	15m³/hr	15m³/hr	15m³/hr					
100	30m³/hr	50m³/hr	30m³/hr	30m³/hr	50m³/hr					
130	30m³/hr	50m³/hr	30m³/hr	30m³/hr	50m³/hr					
200	30m³/hr	50m³/hr	30m³/hr	30m³/hr	50m³/hr					
Screen										
150	-	-	30m³/hr	30m³/hr	50m³/hr					
120	-	-	30m³/hr	30m³/hr	50m³/hr					
75	-	-	30m³/hr	30m³/hr	50m³/hr					
Thread / Flange										
Inlet	2" BSP	3" BSP	2" BSP	2" BSP	3" BSP					
Outlet	2" BSP	3" BSP	2" BSP	2" BSP	3" BSP					



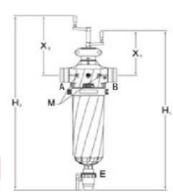
Dimensions:

Filter	Α	Α	В	С	D	Х	Y1	Y2	Z
Mod el	Inl et	Outlet	Сар	Port	BSP	mm	mm	mm	mm
Threade d	BS P	BSP	BSP	BSP					
2NR	2"	2"	2"	3/4"	1/4"	212	135	598	310
2SR	2"	2"	2"	3/4"	1/4"	212	135	722	310
3NR	3"	3"	3"	3/4"	1/4"	212	150	737	338

Modular 300 Spiral Clean

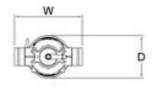


Descr	iption		Maximum Flow Rate	Code
2NR	130 Mesh	Kit	30m³/hr	FL/AZ17B2N6D6
2SR	130 Mesh	Kit	30m³/hr	FL/AZ17B2SRD6
3NR	130 Mesh	Kit	50m³/hr	FL/AZ17B3NRD6
3NW	130 Mesh	Kit	50m³/hr	FL/AZ17B3NWD6



Dimensions:

Connection Model					Dimensions (mm)				
Connection	Model	Α	В	H₁	H ₂	w	X ₁	X ₂	D
2"	2NR	BSP	BSP	875	935	309	270	330	212
2" Super	2SR	BSP	BSP	1000	1060	309	270	330	212
3"	3NR	BSP	BSP	1015	1075	336	290	350	212
3"	3NW	Grooved	Grooved	1015	1075	336	290	350	212



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Helix Disc Filters

General Features:

- Exclusive helical (hydro-cyclonic) filtration action
- Strong body and cover with generous ribs and blend radii Interchangeable parts throughout range 1000kPa Pressure Rating

Large filtration surface areas
Accurate high quality disc elements

Body, cover and clamp interchangeable across the Helix, $\operatorname{\sf Disc}$ and

Screen models

Materials:

Body: Glass filled nylon
Clamp: 316 stainless steel
Disc: 20–50 micron: K–Resin

100-200 micron: Polypropylene

Screen: 316 stainless steel
O-Ring: Nitrile Rubber





Description			Maximum Flow Rate	Code
2NR - 2" BSP I	Male Thread	s		
20 Micron		Disc	8m³/hr	FL/AZ172NRH10
50 Micron		Disc	15m³/hr	FL/AZ172NRH9
100 Micron	150 Mesh	Disc	30m³/hr	FL/Z17A2NRH8
130 Micron	120 Mesh	Disc	30m³/hr	FL/Z17A2NRH6
200 Micron	75 Mesh	Disc	30m³/hr	FL/AZ17A2NRH0
3NR - 3" BSP I	Male Thread	s		
20 Micron		Disc	8m³/hr	FL/AZ173NRH10
50 Micron		Disc	15m³/hr	FL/Z173NRHH9
100 Micron	150 Mesh	Disc	50m³/hr	FL/Z17A3NRH8
130 Micron	120 Mesh	Disc	50m³/hr	FL/Z17A3NRH6
200 Micron	75 Mesh	Disc	50m³/hr	FL/AZ17A3NRH0

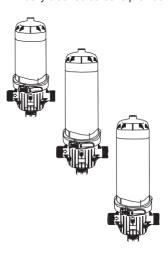
Note: 2SR Super range is also available. It has a 3" disc set and cover on 2" base to provide a larger surface area.



Azud Manual Filters and Helix Automatic Filters

Screen Filters

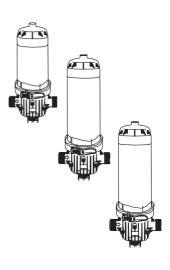
- · Filter screens are fabricated from marine-grade 316 stainless steel providing long life and protecting your investment.
- Easily cleaned screens provide an affordable alternative to disposable filter cartridges.



Description			Maximum Flow Rate	Code
2NR - 2" BSF	Male Threa	ds		
100 Micron	150 Mesh	Screen =	30m³/hr	FL/AZ17A2NRM8
130 Micron	120 Mesh	Screen	30m³/hr	FL/AZ17A2NRM6
200 Micron	75 Mesh	Screen	30m ³ /hr	FL/AZ17A2NRM0
2SR Super –	2" BSP Male	Threads		
100 Micron	150 Mesh	Screen =	30m³/hr	FL/AZ17A2SRM8
130 Micron	120 Mesh	Screen <	30m³/hr	FL/AZ17A2SRM6
200 Micron	75 Mesh	Screen	30m³/hr	FL/AZ17A2SRM0
3NR - 3" BSF	Male Threa	ds		
100 Micron	150 Mesh	Screen =	50m³/hr	FL/AZ17A3NRM8
130 Micron	120 Mesh	Screen <	50m³/hr	FL/AZ17A3NRM6
200 Micron	75 Mesh	Screen	50m³/hr	FL/AZ17A3NRM0
4SB - 4" Vict	aulic Conne	ction		
100 Micron	150 Mesh	Screen =	100m³/hr	FL/AZ17A4SBS150
130 Micron	120 Mesh	Screen =	100m³/hr	FL/AZ17A4SBM6
200 Micron	75 Mesh	Screen _	100m³/hr	FL/AZ17A4SBM0

Helix Automatic Filters

• Helix automatic filters are usually supplied with Victaulic connections but can be supplied with BSP connections.



Description	1		Maximum Flow Rate	Code
2" Victaulic c	onnection			
100 Micron	150 Mesh	Screen	24m³/hr	FL/AZ17A2SVM8
130 Micron	120 Mesh	Screen	24m³/hr	FL/AZ17A2SVM6
200 Micron	75 Mesh	Screen	24m³/hr	FL/AZ17A2SVM0
3" Victaulic c	onnection			
100 Micron	150 Mesh	Screen	32m³/hr	FL/AZ17A3NVM8
130 Micron	120 Mesh	Screen	32m³/hr	FL/AZ17A3NVM6
200 Micron	75 Mesh	Screen	32m³/hr	FL/AZ17A3NVM0
4" Victaulic c	onnection -	TWIN		
100 Micron	150 Mesh	Screen	48m³/hr	FL/AZ17A4SLM8
130 Micron	120 Mesh	Screen	48m³/hr	FL/AZ17A4SLM6
200 Micron	75 Mesh	Screen	48m³/hr	FL/AZ17A4SLM0

Optional Disc specifications - discuss with Dix Sales Representative

- Wall Discs
- 5, 10, 20, 50 and 400 micron discs



AZUD Filtration SystemsHelix Automatic Disc Filters

AZUD automatic disc filters incorporate a unique helix cartridge that extends the filtration cycle between backflushing and saving water.



Features and Benefits:

- Helix disc cartridge exclusive helical (hydro-cyclonic) filtration action Longer intervals between backflushing cycles.
- High strength stainless steel or durable poly manifolds
 Exceptional corrosion and abrasion resistance, years of reliable service.
- Backflushing initiated by time, pressure differential or volumetric flows Minimum maintenance and operator attention.
- All systems supplied fully assembled, ready to use Savings on installation time and labour.
- Filter housings drain during backflushing Superior cleaning effectiveness.
- Optional air assisted backflushing Reduced backflush time, saving water.

Typical Applications:

- Vineyards, orchards, vegetable farms
- Drip irrigation systems
- Aquaculture pond filtration
- Waste water recycling
- Cooling towers
- Manufacturing & production lines
- Pre-filtering on reverse osmosis plants
- Golf courses and Sports ovals







Product Specifications:

Azud Helix Automatic Disc filters are manufactured from corrosion resistant, tough, durable plastic with 304-grade stainless steel (316 optional) manifolds and are available in a number of configurations including:

- Standard helix automatic systems are available with flow rates up to 180m³/hr (306 model)
- Helix automatic Plus available with flow rates from 240m³/hr to 360m³/hr (308, 310 & 312 models)
- 9m³/hr @ 300kPa minimum flow and pressure for effective backflushing of a single filter (302 to 308 models)
- 18m³/hr @ 300kPa minimum flow and pressure for effective backflushing of two filters (310 & 312 models)
- 1000kPa maximum working pressure
- Table D flanges are standard. Other flanges are available upon request

Model	Number	Nominal		Manifold				Disc Filtration Grade			
	of Filter Bodies	Flow Rate	SS	Size	Poly	Size		(micron)			
302	2 x 3"	64m³/hr	Υ	4"	Υ	4"	100	130	150		
303	3 x 3"	96m³/hr	Y	4"	Y	6"	100	130	150		
304	4 x 3"	128m³/hr	Y	6"	Y	6"	100	130	150		
305	5 x 3"	160m³/hr	Y	6"	-	~	100	130	150		
306	6 x 3"	180m³/hr	Y	6"	~	~	100	130	150		
306	6 x 3"	192m3/hr	Y	8"	-	-	100	130	150		
308+	8 x 3"	240m³/hr	Y	8"	~	~	100	130	150		
310+	10 x 3"	300m³/hr	Y	8"	~	~	100	130	150		
312+	12 x 3"	360m³/hr	Y	10"	~	~	100	130	150		

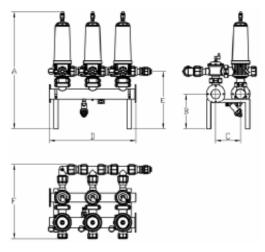
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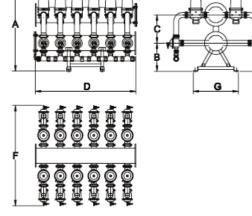
Dimensions:

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
302	1625	730	290	600	1005	720	-
303	1625	730	290	900	1005	720	_
304	1625	730	290	1200	1005	720	-
305	1625	730	290	1500	1005	720	-
306	1625	730	290	1800	1005	720	-
308	1685	500	500	1200	215	1820	810
310	1685	500	500	1500	215	1820	810
312	1685	500	500	1800	215	1870	810

Mic	Micron Conversion Chart							
Micron	200	130	100					
mm	0.20	0.13	0.10					
Mesh	75	120	150					
Colour	Green	Red	Orange					

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Azud Helix 'Plus' Azud Helix 'Plus'



Azud Solo

Helix Automatic Disc Filters

Large filtration surface area. Suitable for flow rates of $9m^3/hr$ to $24m^3/hr$ Fully serviceable backflush bypass filter

Extensive range of AC and DC automatic controller options to suit all applications S/S manifold system supplied with S/S supports for long life corrosion protection.



Controller	Code	Code	Code
	100 micron	130 micron	200 micron
	150 Mesh	120 Mesh	75 Mesh
	Orange	Red	Green
240 Volt AC	FL/AS2015150	FL/AS2015120	FL/AS2015075
No Controller	FL/AS2016150	FL/AS2016120	FL/AS2016075

201 24m3/hr - 1 x 2" Filter 2" S/S Manifold 2" BSP Female Threads

Air Assisted Backflush Upgrades

Upgrade allows the filtration system to be connected to a pressure-regulated compressed air supply, assisting the automatic backflush process. Air-assisted backflushing substantially reduces backflush cycle durations, saving water and allowing systems with marginal pump pressure to backflush automatically.

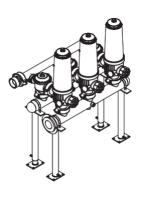
Description	Code
Air Assist Upgrade (per filter cartridge)	FL/AAAIR0001

Azud Poly

Helix Automatic Disc Filters with Poly Manifolds

All systems feature durable poly manifolds mounted on adjustable support frames System options for flow rates of $9m^3/hr$ to $160m^3/hr$

Fitted with Filter Controller capable of operating on both AC and DC power supplies



Controller	Code 100 micron 150 Mesh	Code 130 micron 120 Mesh	Code 200 micron 75 Mesh	
	Orange	Red	Green	
302 64m³/hr – 2 x				
240 Volt AC	FL/AP3025150	FL/AP3025120	FL/AP3025075	
303 96m³/hr – 3 x	n³/hr – 3 x 3" Filter 6" Poly Manifold Table E			
240 Volt AC	FL/AP3035150	FL/AP3035120	FL/AP3035075	
304 128m³/hr – 4 x 3	3" Filter 6" Poly Manif	old Table E		
240 Volt AC	FL/AP3045150	FL/AP3045120	FL/AP3045075	
306 160m³/hr – 6 x 3	B" Filter 6" Poly Manif	old Table E		
240 Volt AC	FL/AP3045150	FL/AP3045120	FL/AP3045075	

^{*}Other controllers available on request.

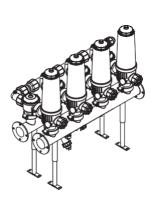


Azud Stainless Steel

Helix Automatic Disc Filters with Stainless Steel Manifolds

All systems feature 304 long-life stainless steel manifolds and support frames (316 stainless steel optional). System options for flow rates of $18m^3/hr$ to $180m^3/hr$.

Available with either 240 Volt AC, 12 Volt DC filter controller or with no controller for connection to an irrigation computer. Space saving symmetrical manifolds are aligned horizontally and allow for pipework connection from either end.

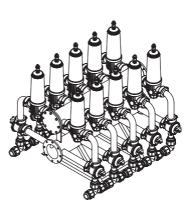


		Code	Code	Code
Controlle		micron	130 micron	200 micron
	15	0 Mesh	120 Mesh	75 Mesh
	C	range	Red	Green
302 64m ³ /h	nr – 2 x 3" Filte	r 4" Stainl	ess Steel Manifold	Table D
240 Volt	t AC FL/A	A3025150	FL/AA3025120	FL/AA3025075
12 Volt	DC FL/A	A3027150	FL/AA3027120	FL/AA3027075
No Contro	oller FL/A	A3026150	FL/AA3026120	FL/AA3026075
303 96m³/h	nr – 3 x 3" Filte	r 4" Stainl	ess Steel Manifold	Table D
240 Volt	t AC FL/A	A3035150	FL/AA3035120	FL/AA3035075
12 Volt	DC FL/A	A3037150	FL/AA3037120	FL/AA3037075
No Contro	oller FL/A	A3036150	FL/AA3036120	FL/AA3036075
304 128m³/h	nr – 4 x 3" Filte	r 6" Stainl	ess Steel Manifold	Table D
240 Volt	t AC FL/A	A3045150	FL/AA3045120	FL/AA3045075
12 Volt	DC FL/A	A3047150	FL/AA3047120	FL/AA3047075
No Contro	oller FL/A	A3046150	FL/AA3046120	FL/AA3046075
305 160m³/h	nr – 5 x 3" Filte	r 6" Stainl	ess Steel Manifold	Table D
240 Volt	t AC FL/A	A3055150	FL/AA3055120	FL/AA3055075
12 Volt	DC FL/A	A3057150	FL/AA3057120	FL/AA3057075
No Contro	oller FL/A	A3056150	FL/AA3056120	FL/AA3056075
306 180m³/h	nr – 6 x 3" Filte	r 6" Stainl	ess Steel Manifold	Table D
240 Volt	t AC FL/A	A3065150	FL/AA3065120	FL/AA3065075
12 Volt	DC FL/A	A3067150	FL/AA3067120	FL/AA3067075
No Contro	oller FL/A	A3066150	FL/AA3066120	FL/AA3066075

Azud Stainless Steel Plus

Helix Automatic Disc Filters with Stainless Steel Manifolds

All systems feature 304 long-life stainless-steel manifolds and support frames (316 stainless steel optional). Standard system options for flow rates of 18m³/hr to 360m³/hr, with larger systems available on request. Inlet and outlet manifolds are aligned vertically and allow for pipe work connection from either end.



Controller	Code Co 100 micron 130 m 150 Mesh 120 M		Code 200 micron 75 Mesh
	Orange	Red	Green
308 240m³/hr - 8 x	3" Filter 8" Stainle	ess Steel Manifold Ta	able D
240 Volt AC	FL/AA3085150	FL/AA3085120	FL/AA3085075
12 Volt DC	FL/AA3087150	FL/AA3087120	FL/AA3087075
No Controller	lo Controller FL/AA3086150 FL/AA308612		FL/AA3086075
310 300m³/hr – 10	x 3" Filter 8" Stain	ilter 8" Stainless Steel Manifold Table D	
240 Volt AC	FL/AA3105150	FL/AA3105120	FL/AA3105075
12 Volt DC	FL/AA3107150	FL/AA3107120	FL/AA3107075
No Controller	FL/AA3106150	FL/AA3106120	FL/AA3106075
312 360m³/hr – 12	x 3" Filter 10" Stai	nless Steel Manifold	Table D
240 Volt AC	FL/AA3125150	FL/AA3125120	FL/AA3125075
12 Volt DC	FL/AA3127150	FL/AA3127120	FL/AA3127075
No Controller	FL/AA3126150	FL/AA3126120	FL/AA3126075





















FL/AZ17C2R0A1 FL/AZ17C2R0A2 FL/AZ17C2R0A8 FL/AZ17C2R0A6 FL/AZ17C2R0A0 FL/AZ17C3R0A1 FL/AZ17C3R0A2 FL/AZ17C3R0A8 FL/AZ17C3R0A6 FL/AZ17C3R0A0

FL/AZ17C2R0H1 FL/AZ17C2R0H2 FL/AZ17C2R0H8 FL/AZ17C2R0H6 FL/AZ17C2R0H0 FL/AZ17C3R0H1 FL/AZ17C3R0H2 FL/AZ17C3R0H8 FL/AZ17C3R0H6

FL/AZ17C3R0H0

FL/AZ17C200M8 FL/AZ17C200M6 FL/AZ17C200M0 FL/AZ17C300M8 FL/AZ17C300M6 FL/AZ17C300M0

FL/Z18C3R0X6 FL/Z18C3R0X0 FL/Z18C3R0X8 FL/ZXXXXXXXX

FL/AZ17RJ0000

FL/AZ17RXP012

FL/AZ18R60020

FL/AZ17RXP009 FL/AZ17RXP010 FL/AZ17RXP016

2"	20 Micron		
2"	50 Micron		
2"	100 Micron	150 Mesh	
2"	130 Micron	120 Mesh	
2"	200 Micron	75 Mesh	
3"	20 Micron		
3"	50 Micron		
3"	100 Micron	150 Mesh	
3"	130 Micron	120 Mesh	
3"	200 Micron	75 Mesh	
Helix	Disc Cartri	idge	

2"	20 Micron		
2"	50 Micron		
2"	100 Micron	150 Mesh	
2"	130 Micron	120 Mesh	
2"	200 Micron	75 Mesh	
3"	20 Micron		
3"	50 Micron		
3"	100 Micron	150 Mesh	
3"	130 Micron	120 Mesh	

3" 200 Micron 75 Mesh Modular 300 Screen

2"	100 Micron	150 Mesh	
2"	130 Micron	120 Mesh	
2"	200 Micron	75 Mesh	
3"	100 Micron	150 Mesh	
3"	130 Micron	120 Mesh	
3"	200 Micron	75 Mesh	

Helix Automatic Disc Cartridge - ALL

100 Micron	120 Mesh	
130 Micron	75Mesh	
200 Micron	150 Mesh	
DLP - Low p	ressure cartri	dge

O-Rings

Cartridge O-Ring (suits disc and screen, all sizes) Filter Body O-Ring Automatic filter maintenance kit

Filter Cover

i iitoi	0010
2"	Black
3"	Black
3"	Clear

Filter Body (including cap & o-ring)

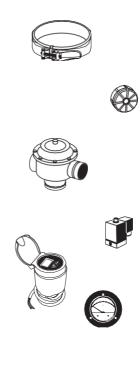
	3 1 3	
2"	Male BSP Thread	FL/AZ17RXP002
3"	Male BSP Thread	FL/AZ17RXP006
3"	Victaulic Right Angle (3" Male BSP at Side)	FL/AZ17RXP007
3"	Victaulic In-Line (3" Male BSP at Bottom)	FL/AZ17RXP008
4"	Victaulic (Bottom Only)	FL/AZ17RXPXXX

Cartridges & cap suit variants 2N - 3C - 4N

^{3&}quot; Cartridges & cap suit variants 2S - 3N - 4S- 6N







Description	Code
Stainless Steel Clamp	
Suits Plastic Filters	FL/AZ17RXP011
Threaded Cap with O-Ring	
2"	FL/AZ17RXP013
3"	FL/AZ17RXP014
Backflush Valve	
2" Victaulic connection at right angle, 2" BSP F	FL/AZ18CE1002
3" Victaulic connection at right angle, 2" BSP F	FL/AZ18CE1001
3-Way Solenoid Valve	
24 Volt AC / 12 Volt DC	FL/AZ18CE0001
Pressure Differential Switch / Gauge	
Baccara – Digital DDPGS	RES/FG75-DP-1
Murphy PD Gauge	RES/F20DP15
AZUD ¼" 0-10bar Pressue Gauge	FL/AZ17CMG010
Air Relief Valve.	
1" Double Effect	FL/AZ17VA0003
2" Double Effect	FL/AZ17VA0006
1" Combination	FL/AZ17VB0003
2" Combination	FL/AZ17VB0006

Filter Backflushing Controllers



Description	Code
Filter Controller	
1 to 8 Stations	
240V AC / 24V AC / 12V DC	FL/CT8FCP008
With PD Gauge	
240V AC / 24V AC / 12V DC	FL21-11-240
415 Volt	FL21-11-415



AZUD Modular 100 Threaded Disc Filters

Quality conventional filtration option. Available sizes 3/4" to 2" BSP.

Features and Benefits:

- Simple construction Body and cap with captured O-ring seal.
- Durable and corrosion-resistant Filter body and discs manufactured from UV stabilized polypropylene.
- · Easily disassembled for cleaning No tools required to remove the disc cartridge.
- 130 micron disc element Higher filtration security to a similar sized screen filter.
- Chemical resistance Suitable for use with fertilizer injection systems, chlorine and dosing systems – (pH range 4-10)

Typical Applications:

- Domestic & commercial micro irrigation systems
- Small commercial drip irrigation systems
- Rural household pre-filtration
- Recycled water systems
- Control line protection



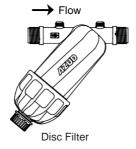


Product Specifications & Dimensions:

Note: Clean water flow rate @ 20kPa head loss - 130 micron

Filter	Size	-		0.400	Disc Replacement		uide
Inlet / Outlet		Flow Rate	Maximum Pressure	Surface Area		Dimensions	
BSP Thread	Disc Micron	(Lpm)	(kPa)	(mm²)	Cartridge Type	Diameter (mm)	Length (mm)
3/4"	130	83	800	180	³ ⁄4" & 1"	48	156
1"	130	100	800	180	%" & 1"	48	156
11/4"	130	166	800	300	11/4" & 11/2"	68	180
11/2"	130	233	800	300	11/4" & 11/2"	68	180
11/2"S	130	333	800	525	11/2" &2"	90	225
2"	130	416	800	525	11/2" & 2"	90	225

Note: Maximum flow rates are determined at 35kPa head loss (130 micron). Flow rates higher than the maximum recommended will increase head losses. Flow rates are dependent on water quality and filtration grade. Contact Dix to discuss project specific flow rates.







11/4"



Disc Cartridge 11/2" & 2"



AZUD Modular 100Threaded Screen Filters

Quality conventional filtration option. Available sizes 3/4" to 2" BSP.

Features and Benefits:

- Simple construction
 Body and cap with captured o-ring seal.
- Inlet flow diffuser
 Evenly distributes water along the full length of the cartridge.
- Easily disassembled for cleaning No tools required to remove the screen cartridge.
- Range of screen mesh sizes and Screen Cartridge Filtration grades are tailored to suit individual application.
- Chemical resistance
 Suitable for use with fertiliser injection systems, chlorine and dosing systems (pH range 4-10).
- Conform to ISO/DIS9912-1
 Filter element resistance to buckling and tearing.

Typical Applications:

- Domestic & commercial micro irrigation systems
- Rural household pre-filtration
- · Recycled water systems
- Rainwater tanks

inonne

Product Specifications & Dimensions:

Filter Size			Flow Rate	Maximum Pressure	Surface Area	Screen Replacement Guide				
Inlet/Outlet	Screen Mesh Sizes					Cartridge	Dimensions			
BSP Thread		Stainles	inless Steel		(Lpm)	(kPa)	(mm²)	Type	Diameter (mm)	Length (mm)
3/4"		75 🔳	120	150	83	800	160	3/4" & 1"	48	151
1"		75	120	150	100	800	160	3/4" & 1"	48	151
1 1/4"	35	75	120	150	166	800	265	11/2 &1¼"	68	173
1 ½"	35	75	120	150	233	800	265	11/2" & 11/4"	68	173
11/2S"	35	75	120	150	333	800	485	11/2S" & 2"	90	220
2"	35	75 🔳	120	150	416	800	485	11/2S & 2"	90	220

Note: Clean water flow rate @ 20kPa head loss – 120 mesh

	Mesh Conversion Chart					
Mesh	35	75	120	150		
Micron	530	200	130	100		
mm	0.53	0.20	0.13	0.10		
Colour						

Mesh: Number of holes per sq inch

Micron: Diameter of the hole measured in microns

(1000 microns = 1 mm)





Screen Cartridge



Threaded Disc Filter



Description			Code	Ord Qty	Ctn Qty
3/4"	130 Micron		FL/AZ17L1A120	1	60
1"	130 Micron		FL/AZ17L1B120	1	60
11/4"	130 Micron		FL/AZ17L1C120	1	25
11/2"	130 Micron		FL/AZ17L1D120	1	25
1½"S	130 Micron		FL/AZ17L1E120	1	13
2"	130 Micron	•	FL/AZ17L1F120	1	13

Threaded Screen Filter

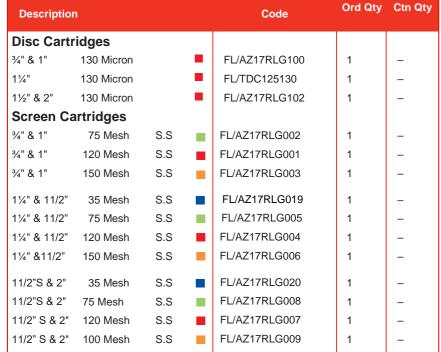


Descri	ption		Code	Ord Qty	Ctn Qty
3/4"	75 Mesh	S.S	FL/AZ17L1A230	1	60
3/4"	120 Mesh	S.S	FL/AZ17L1A220	1	60
3/4"	150 Mesh	S.S	FL/AZ17L1A210	1	60
1"	75 Mesh	S.S	FL/AZ17L1B230	1	60
1"	120 Mesh	S.S	FL/AZ17L1B220	1	60
1"	150 Mesh	S.S	FL/AZ17L1B210	1	60
11/4"	35 Mesh	S.S	FL/AZ17L1C240	1	25
1¼"	75 Mesh	S.S	FL/AZ17L1C230	1	25
1¼"	120 Mesh	S.S	FL/AZ17L1C220	1	25
1¼"	150 Mesh	S.S	FL/AZ17L1C210	1	25
1½"	35 Mesh	S.S	FL/AZ17L1D240	1	13
1½"	75 Mesh	S.S	FL/AZ17L1D230	1	13
1½"	120 Mesh	S.S	FL/AZ17L1D220	1	13
1½"	150 Mesh	S.S	FL/AZ17L1D210	1	13
1½"S	35 Mesh	S.S	FL/AZ17L1E240	1	13
1½"S	75 Mesh	S.S	FL/AZ17L1E230	1	13
1½"S	120 Mesh	S.S	FL/AZ17L1E220	1	13
1½"S	150 Mesh	S.S	FL/AZ17L1E210	1	13
2"	35 Mesh	S.S	FL/AZ17L1F240	1	13
2"	75 Mesh	S.S	FL/AZ17L1F230	1	13
2"	120 Mesh	S.S	FL/AZ17L1F220	1	13
2"	150 Mesh	S.S	FL/AZ17L1F210	1	13



Spare Parts and Accessories







Note this 2" screen fits the $1\frac{1}{2}$ " super filter ($1\frac{1}{2}$ "S)

AZUD Filter Replacement O-Ring Size Chart

Filter Size	Filter Body	Disc Cartridge	Screen Cartridge	
BSP Thread Inlet / Outlet	OD x section	OD x section	OD x section	
3/4"	66.5mm x 4.0mm	48.5mm x 2.4mm	48.5mm x 2.4mm	
1"	66.5mm x 4.0mm	48.5mm x 2.4mm	48.5mm x 2.4mm	
1 1/4"	96.0mm x 4.5mm	69.5mm x 2.4mm	69.5mm x 2.4mm	
1 ½"	121.5mm x 5.5mm	91.5mm x 2.4mm	91.5mm x 2.4mm	
2"	121.5mm x 5.5mm	91.5mm x 2.4mm	91.5mm x 2.4mm	

AZUD Micron to Mesh Conversion Chart

Mesh	Micron	Colour
35 Mesh	530 Micron	Blue
75 Mesh	200 Micron	Green
120 Mesh	130 Micron	Red
150 Mesh	100 Micron	Orange
*(280) Mesh	50 Micron	Purple
*(625 Mesh)	20 Micron	Magenta
*(1250 Mesh)	10 Micron	Brown
*(2500 Mesh)	5 Micron	Black

^{*}These are only estimates and are included for reference only.



G.J Dix & Sons Pty Ltd – Warranties and Terms and Conditions of Trade

1.INTRODUCTION
1.1 Application of these Terms and Conditions
The Customer agrees that prior to placing an order with the Supplier, the Customer has read and agreed to the terms and conditions as setouthereunder.

For the purposes of this agreement, "Supplier" is G.J. DIX & SONS PTYLTD A.B.N. 29 071 654 558 and the "Customer" is the applicant named on the account with the Supplier or where no account exists then on the Work Authorisation provided by the Supplier to the Customer. In this Agreement "Goods" means goods and services. "Quote" means a signed and numbered quote issued by the Supplier.
2.QUOTE
2.1 Acceptance by the Customer — Where the Supplier has given the Customer a Quote:

2.QUOTE
2.1 Acceptance by the Customer — Where the Supplier has given the Customer a Quote:
(a) The Supplier need not supply the Customer until the Quote has been accepted by the Customer;
(b) The Customershallaccept the Quote by instructing (inwriting) by way of an official purchase ordermaking specific reference to the Supplier's Quote Number and issuing a copy of the purchase order to the Supplier.
(c) Acceptance by the Customer of the Quote will constitute acceptance by the Customer of these Terms and Conditions.
(d) Quotes are valid for thirty (30) days from date of issue, unless an extension has been authorised by the Supplier.
(e) The Supplierreserves the right to withdraw the Quote for whateverreason. In acceptance of the Quote, the Customer warrants that it has not relied on any representation by the Supplier and its employees and agents other than as supplied in writing in the Quote.

2.2Suppliermay Revise Quote—The Suppliermay amend the Quote after apperiod of thirty (30) days from the date of the signed acceptance of the Work Authorisation to take into account any rise or fall in the cost of performing the Order and the Supplier shall notify the Customer of such amendment assoon aspracticable thereafter. Upon the Suppliergiving the Customer of its demonstration of such amendment the amended quote shall be deemed to be the Quote for the purposes of the Terms and Conditions.

2.3Variationstolnitial Quote—The Customer shall indemnify the Supplier.

2.4 Indemnify

(a) The Customer warrants, as a fundamental condition of this contract, that all drawings and specifications and other design information supplied by the

(a) The Customerwarrants, as a fundamental condition of this contract, that all drawings and specifications and other design information supplied by the Customer to the Supplier shall be accurate in all aspects and free of copyright.

(b) The Customershall indemnify the Supplier from all costs incurred when Goods are manufactured exclusively to the Customer's specification. These Goods cannot be cancelled.

3. PRICES

3.PRICES
3.1 List Prices are recommended prices only and there is no obligation for the Supplier to comply with these recommendations. All prices are exclusive of GST and subject to alteration without notice.
3.2 Anyincrease in the cost of supplying the Goods which is beyond the control of the Supplier and which occurs between the date of ordering and delivery shall be to the Customer's account.
3.3 Unless otherwise stated in the Supplier's Work Authorisation, the supplier reserves the right to alter its List Prices without notice and may vary the purchase price to reflect the addition in costs, taxes or duties incurred or to be incurred by the Supplier after that date of the Work Authorisation.
3.4 All List Prices are exclusive of GST and other government impost unless otherwise stated in writing and are subject to alteration without notice.
4 ORDERS

3.4 All List Prices are exclusive of GST and other government impost unless otherwise stated in writing and are subject to alteration without notice.

4. ORDERS
4.1 All orders are subject to acceptance.
4.2 We reserve the right to supply an order in full or only in part.
4.3 Youmaynot ancelanorder, nordelay delivery, following acceptance unless we agree in writing and payment of work completed up to that time is made.
5.DELIVERY
5.1 Delivery times and dates are estimates only and are not guaranteed. Where we or our suppliers or sub-contractors are delayed due to unforse en circumstances or reasons beyond control, we may make part delivery, suspend delivery, or extend delivery time for the period of the delay.
5.2 Delivery is exournominated works unless otherwise specified. If you do not specify amethod of delivery then we may decide the method but all carriers will be your agents only and delivery will be at your cost.
5.3 A claim for shortages in delivery must be in writing received by us within 14 days of despatch from our store.
5.4 Manufacture and delivery of Goods will be in writing received by us within 14 days of despatch from our store.
5.4 Manufacture and delivery of the Goods consistent with the original delivery schedule. Should there be any delay or change to the original orders chedule that is beyond the control of the Supplier, then payment for such Goods will fall due subject to the Supplier's standard payment terms, irrespective of whether the Goods have been delivered. The customer may incurstorage charges on a daily basis as per clause 5.5 below.
5.5 Delivery of the Goodsmade to the Customer at the Supplier's address on this agreed date may incurstorage charges on a daily basis calculated by the order valuex the interest rate as advised in clause 5.3 x the number of days.
5.6 Delivery of Goodsto at hird party and/or site nominated by the Customer is deemed to be delivery to the Customer for the purpose of this agreement.
5.7 Suspension of Delivery — The Supplier may suspend delivery or cease m

6.PAYMENT
6.PAYM

(c) The Customershall be fully responsible for any loss or damage to the Goods what soever and how soever caused following delivery or installation of the Goods to the Customer.

8.3 Repossession — The Customer hereby irrevocably grants to the Supplier the right, at its sole discretion, to remove or repossess any Goods from the Customer and sell or dispose of them, and the Supplier shall not be liable to the Customer or any person claiming through the Customer and the Suppliershall been thinked to the customer sindebtedness to the Supplier the Customer commits an act of bankruptcy, entersinto any form of administration or liquidation, makes any composition or arrangement with its creditors, ceases to carry on business or breaches any fundamental clause of this agreement, then the Supplier may, without prejudice to any other remedies it may have, repossess any Goods delivered to the Customer on any account which has not been paid in accordance with the terms and conditions herein and commence proceedings to recover the balance of any monies owing the Supplier by the Customer.

8.4 Inconsistency-lifthere is any inconsistency between the Supplier's rights under this clause 8 and the Supplier's rights under Chapter 4 of the Personal Property Securities Act 2009 (Cth) (PPSA), this clause prevails.

9. WARRANNY

9.WARRANTY
 9.1 ThewarrantyperiodfortheGoodsshallbeasperthemanufacturer'sspecificationsortheSupplier'sspecifications, asthecasemaybe, which is usually twelve (12) months from the date of purchase unless otherwise stipulated.
 9.2 The Supplier will repair or replace any and all material parts found to be defective within the warranty period without charge, provided the Goods have been installed and used in accordance with the manufacturer's and/or Supplier's instructions. No allowance will be made on any Goods for labour, freight or consequential damages, only the cost of the defective Goods.
 9.3 Workand/orservice carried out on the Goods by any one other than the Supplier and/or their no minated agents shall make the warranty null and void unless the Customer obtains prior approval in writing from the Supplier before any remedial work is carried out.



G.J Dix & Sons Pty Ltd – Warranties and Terms and Conditions of Trade

- 9.4 The Supplier reserves the right to make null and void the warranty should the Goods be modified, altered, damaged or put to any undue stress other than
- in the way the Goods were designed to perform.

 9.5 In respect of all claims the Supplier shall not be liable to compensate the Customer for any delay in either replacing or repairing the workmanship / Goods or in properly assessing the Customer's claim.

- / Goods or in properly assessing the Customer's claim.

 9.6 The Supplier shall not liable to compensate for defects, damages or failure of the Goods or Services where such events were caused by inadequate operating conditions, special characteristics of the system, or other exposure to aggressive environmental conditions.

 10. DESIGNUPDATES—TheSupplierreservestheright to make changes and improvements to the Goods without incurring any obligations what soever to install or make changes and improvements to Goods already supplied.

 11. INSPECTIONONDELIVERY—The Customershall inspect the Goods on delivery and shall within seven (7) days of delivery notify the Supplier in writing of:

 (a) any alleged shortage in quantity of Goods, incorrectly priced Goods or failure to comply with the description of Goods ordered and;

 (b) any Goods found to be defective. The Customershall afford the Supplier anopportunity to inspect such Goods within areason able time following delivery.

 If the Customer shall fail to comply with these provisions the Goods shall be conclusively presumed to be in accordance with these terms and conditions.

 12. RESTOCKING

 12.1 Subject to prior written approval from the Supplier are stocking charge of 15% will be applied on unused Goods sent backforcreditor exchange. Freight of unused Goods shall be the Customer's responsibility.

 12.2 Customised product or special orders are not returnable.

 13. MERCHANDISINS GUIPMENT—The Supplier is merchandising equipment shall remain the Supplier from any damage (normal wear and tear excluded) or loss to the merchandising equipment while on loan to the Customer.

 14. LIABILITY

 14.1 Non-excludable Rights—The parties acknowledge that, underapplicable State and Commonweal thlaw, certain conditions and warranties may be implied.

- 14.LIABILITY
 14.1 Non-excludableRights—Thepartiesacknowledgethat, underapplicableStateandCommonwealthlaw, certain conditions and warranties may be implied in these Terms and Conditions and there are rights and remedies conferred on the Customer inrelation to the provision of the Goods or of services which cannot be excluded, restricted or modified by the Agreement ("Non-excludable Rights").
 14.2 Disclaimeroftiability—TheSupplierdisclaimsallconditions and warranties expressed or implied, and all those rights and remedies are excluded other than any Non-excludable Rights. To the extent permitted by law, the liability of the Supplier for a breach of a Non-Excludable Right is limited, at the Supplier's option, to the supplying of the Goods and/or any services again or payment of the cost of having the Goods and/or services supplied again.

- imited, at the Supplier's option, to the supplying of the Goods and/or any services again or payment of the cost of having the Goods and/orservices supplied again.

 1.4.3 Indirect Losses Notwithstanding any other provision of these Terms and Conditions, the Supplier is in no circumstances whatever the cause) liable in contract, tort including without limitation, negligence or breach of statutory duty or otherwise to compensate the Customer for:

 any increased costs or expenses;
 any loss of profit, revenue, business, contracts or anticipated savings;
 any loss or expense resulting from a claim by a third party; or
 any special, indirector consequentialloss or damage of any nature what soever caused by the Supplier's failure to complete or delay in completing the Order or to deliver the Goods.

 14.4 Force Majeure The Supplier will have no liability to the Customer in relation to any loss, damage or expense caused by the Supplier's failure to complete the Order or to deliver the Goods as a result of fire, fload, tempest, earthquake, riot, civil disturbance, theft, crime, strike, lockout, breakdown, war, the inability of the Supplier's normal suppliers to supply necessary material or any other matter beyond the Supplier's control.

 15. SECURITY AND CHARGE The Customer thereby charges all property, bothequitable and legal, present of further of the Customer in respect of any monies that may be owing by the Customer to the Supplier under these terms and conditions or otherwise and hereby authorises the Supplier or its solicitors to execute any consent form as its attorney for the purpose of registering a caveat over any real property assets of the Customer with the Australian Securities and Investments Commission.

 16. PERSONAL PROPERTY SECURITIES ACT

 16.1 The Customer acknowledges and grants the Supplier assecurity interest (and whereap propriate a Purchase Money Security Interest) in all Goods supplied

- Securities and InvestmentsCommission.

 16. PERSONAL PROPERTY SECURITIES ACT

 16.1 The Customeracknowledgesandgrantsthe Supplierase curity interest (and where appropriate a Purchase Money Security Interest) in all Goods supplied to the Customer by the Supplier and any of their proceeds, including all Goods previously supplied and any of their proceeds, and this security interest secures all moneys owing to the Supplier by the Customer.

 16.2 The Customer waives its rights to receive a Verification Statement confirming registration of a Financing Statement relating to the Security Interest granted by the Customer to the Company.

 16.3 The Customer agrees that in enforcing this agreement nothing in sections 130 to 143 of the PPSA will apply.

 16.4 Under the PPSA the Customer waives its rights to:

 16.7 Receive a notice of intention to seize collateral under section 95;

 16.9 Object to Secured Party purchasing the collateral under section 129;

 16.1 Receive a disposal notice under section 130;

 16.2 Receive a disposal notice under section 130;

 16.3 Receive a disposal notice under section 130;

 17.5 Redeem the collateral under section 142; and give representation of collateral under section 143.

 18.5 The Customer will do everything reasonably required of it by the Company to enable the Company to correctly register and maintain its security interest(s). This includes notifying the Company immediately inwriting if the Customer changes any of its details that are required to registerafinancing arrangement under the PPSA.

 18.6 Any payment made to the Company by the Customer may be applied by the Company in any manner the Company thinks fit.

 18.7 Lore YRIGHT

 18.7 Lore Supplier retains the copyright in all of the Supplier's documents (including plans, illustrations, drawings and specifications for the part of the part of the part of the process of the part of the

- 17. COPYRIGHT
 17.1 Subject to clause 16.2, the Supplier retains the copyright in all of the Supplier's documents (including plans, illustrations, drawings and specifications furnished to you for the purposes of the contract) and neither they nor their contents may be used without our express consent for any purpose other than that for which they were furnished. You may not use, reproduce or communicate the contents of such material to any third party unless authorised by us in writing to do so. This clause survives the termination of the contract.
 17.2 If the Customer is receiving from the Supplier goods or services involving the manufacture, repair, redesign or upgrade of spare parts, the Customer represents and warrants that the Customer either owns the intellectual property relating to those parts or has the consent of the owner for the Supplier to provide the Customer with those goods or services. The Customer also undertake to hold the Supplier harmless and reimburse the Supplier for any loss or damage the Supplier if the provision of those goods or services results inaclaim being made against the Supplier by a third party alleging that their intellectual property rights have been infringed.
 PRIVACY
- PRIVACY

 17.3 The Customerhereby authorises the Supplier to collect, retain, record, use and disclose personal information about the Customer, in accordance with the Privacy Act 1988, to persons and/or legal entities who are a Solicitor or any other professional consultant engaged by the Supplier, a Debt Collector, Credit Reference Organisation and/or any other individual or organisation which maintains credit references and/or default listings.

 17.4 The Customer also authorises the Supplier to make enquiries with respect to the Customer's credit worthiness; to exchange information with other Credit Providers in respect to previous defaults of the Customer and to notify other Credit Providers of a default by the Customer.

 18. GENERAL MATTERS
- GENERAL MATTERS
 Severability-Any provision in these Terms and Conditions which is invalid or unenforceable in any jurisdiction must be read down for the purposes of that jurisdiction, if possible, so as to be valid and enforceable. If that provision cannot be read down then it is capable of being severed to the extent of the invalidity or unenforceability without affecting the remaining provisions of these Terms and Conditions or affecting the validity or enforceability of that provision in any other jurisdiction.
 Set Off The Supplier is entitled to deduct from any amounts due to the Customer any amount due from the Customer.
 Implied terms Except as required by mandatory operation of law (or as otherwise expressly provided) all implied conditions are excluded.
 Acknowledgement No failure by you to acknowledge these terms of trade, and no supply of goods insuch circumstances, implies that these terms have not been incorporated into, or have been waived in respect of, the contract for the supply of the goods.
 Sasignment You may not assign the contract without our prior written approval
 Failure to adhere to these terms of the agreement may result in credit being withdrawn.
 Governing Lawand Jurisdiction The laws inforce in South Australia governa contract for supply of goods and services and the Customer submits to the jurisdiction of the courts of South Australia.

The Buyer agrees that they have read and understood these Warranties and Terms and Conditions of Sale



G.J. Dix & Sons Pty Ltd

ABN: 29 071 654 558

SA Sales Office and Factory

279 – 281 Renmark Avenue PO Box 804 Renmark South Australia 5341

Ph: (08) 8586 1500 Fax: (08) 8586 5364

Email: dix@dixrenmark.com.au Web: www.dixrenmark.com.au



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