



- IRRIGATION & FILTRATION
- ENGINEERING SERVICES
- STAINLESS STEEL & CAST IRON FITTINGS
- FRUIT LABELLING EQUIPMENT
- FOUNDRY CASTING SERVICES
- STAINLESS STEEL TANKS
- STAINLESS AND MILD STEEL FASTENERS



*Machining, foundry, fabrication, jobbing, design, repairs, maintenance*



# G.J. Dix & Sons Pty Ltd

## Capability Statement



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Welcome to Dix Engineering.

With over 90 years experience, Dix Engineering is a leading engineering company, servicing the Australian and export markets with:

- Irrigation and water filtration systems
- Produce processing machinery
- Custom engineering and foundry services

Born and raised in Renmark and situated in the Riverland region of South Australia, Dix Engineering understands their customer's needs. Dix Engineering's small but experienced team of some 25 people has an international reputation for excellence in the field of engineering, specialising in irrigation and water filtration systems with a record of achievements, completing projects in Australasia, Asia, North & South America and Europe.

The Dix Engineering team also designs and fabricates other specialised machinery and products for the mining, agriculture and food processing industries. Certified under AS/NZS ISO 9001, Dix Engineering prides itself on meeting those more specialised requirements of its extensive Australian and International customer base.

### Products & Systems:

- Filtration Systems
- Pipe Fittings
- Engineering Solutions
- Labelling Systems

### Services:

- Equipment Design & CAD Services
- Profile Cutting
- Metal Fabrication – Stainless Steel Specialists
- Machining
- Ferrous & Non-ferrous Foundry Casting Services
- Mechanical Engineering and Custom Engineering Services
- Industrial Supplies
- Equipment Repairs & Refurbishment



<b>Engineering Services</b>	2
<b>Dix Label Applicators</b>	
High Speed Automatic Labelling Machine	4
Electronic Hand Labeller	5
<b>Dix Filtration Systems</b>	
Stainless Steel Screen Filters	6
Stainless Steel Hydromedia Filters	16
<b>Azud Filtration Systems</b>	
Manual Helix Disc, Disc and Screen Filters	20
Helix Automatic Disc Filters	24
Azud Spare Parts	28
<b>Threaded Polypropylene Filters</b>	
Threaded Filters – Disc and Screen	30
<b>Dix Stainless Steel Foot Valves</b>	
Flap Style	34
Poppet Style	35
Suction Strainer	36
<b>Stainless Steel Pipe Fittings</b>	
Standard Repair Clamps	39
Stepped Repair Clamps	39
<b>Cast Iron Pipe Fittings</b>	
Tapping Saddles – PE Pipe	41
Tapping Saddles – PVC Pipe	42
Tapping Saddles – AC Pipe	43
Tapping Saddles – Spare Parts	44
Gibault Couplings	46
Flanged Gibaults	46
Blank Ends	47
Tapped Ends	47
Gibault Spare Parts	48
Flanges	50
Spigots	51
Air Release Valves	51
<b>Standard Pipe Dimensions</b>	52
<b>Stainless Steel Tanks</b>	53
<b>Standard Steel Fasteners</b>	54

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Dix Engineering takes great pride in being able to cater to individual customer requirements, providing a wide range of services, from CAD design through to manufacture and installation. This broad capability ensures that customers' needs are met at every point, making Dix Engineering the ideal 'one stop shop'. Dix Engineering specialise in jobbing, short run production and is a supplier and manufacturer of the following goods and services:



### Fabrication:

- Stainless steel, mild steel and aluminium
- Small components to fabricated structures
- Storage and transport tanks to 10,000L
- NC plasma and oxy profile cutting
- Shearing, pressing and folding
- One-off to production
- Structural design



### Machining:

- Lathes to 900mm diameter, 2500mm long and 500kg
- Mills to 500mm x 700mm x 1000mm and 500kg
- Surface, cylindrical and blade grinding
- Spline cutting
- Precision assembly and fitting
- Jobbing to production
- Component design



### Foundry:

- Brass, bronze, aluminium and cast iron
- Jobbing and small production runs
- In-house pattern making
- Cast iron to 100kg
- Brass and bronze to 30kg
- Aluminium to 15kg



## Industrial Supplies:

- Compressed air componentry
- Grinding consumables
- Drills, taps and machining tools
- Ferrous and nonferrous metal bar and sheet
- Gas welding consumables and equipment
- Arc welding consumables and equipment
- MIG welding consumables and equipment
- TIG welding consumables and equipment
- Personal protection safety equipment
- Stainless and mild steel fasteners
- Industrial engineering plastics
- Transmission equipment



## Processing Equipment:

- Dried vine and stone fruit processing machinery
- Citrus and apple processing machinery
- Label application equipment
- Belt conveyors
- Auger



## Pump Reconditioning:

- Complete, in-house, overhaul and reconditioning
- Centrifugal and turbine
- Installation and set up
- Manifolds and associated equipment



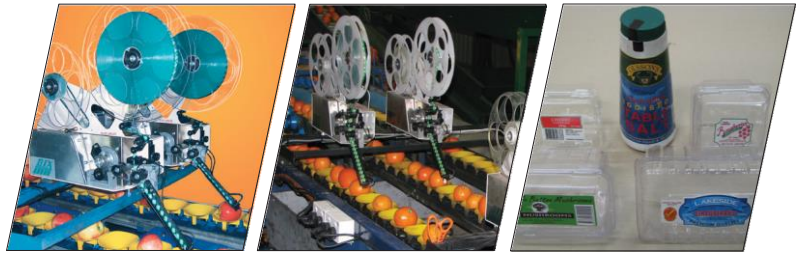
## Jobbing and Mechanical Repairs:

- You break it, we fix it
- Farm machinery
- Transmissions
- Hydraulics
- Weld and metal spray reclamation
- Hardening and hard facing



The Dix High Speed Automatic Labelling Machine is a highly efficient, low-maintenance labeller, suitable for a wide range of labelling applications.

Machines can be customised to meet your specific labelling needs.



### Features and Benefits:

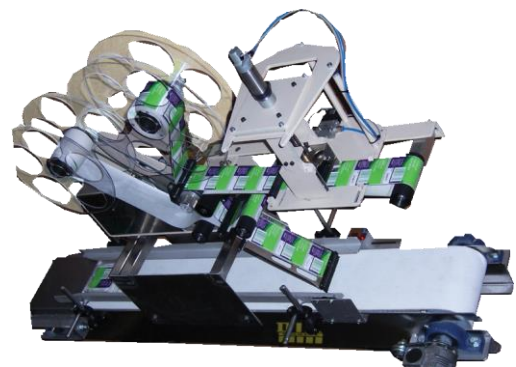
- Solid construction and mechanically simple  
Proven design for over 20 years.
- Each labeller pivots independently  
Minimises downtime to facilitate change of labels.
- Labeller can be easily mounted on a variety of graders, singulators and conveyers  
Versatility within the packing shed environment.
- Labeller is self-contained  
Requires a light frame and single phase power supply for operation.
- Label application by demand  
Remains in standby mode until activated by an object passing under the arm or a signal from the grading computer.
- Simple Connection  
Chassis plug enables connection of an 'Out of Labels' alarm and interface to a computer grader for selective labelling.

### Typical Applications:

- Punnets
- Bottles
- Cartons and Boxes
- Fruit and Vegetables

### Specifications:

- Capability:** 80 – 600 fruit per minute  
5 – 18 metres per minute synchronous
- Labels:** 17 – 25mm wide and 10 – 25mm pitch  
Option: up to 85mm wide and 150mm pitch
- Label Rolls:** 300mm OD x 50.8mm (2") ID Core
- Printing:** Stamping or coding attachment available
- Power Supply:** 240 volt, 50Hz, 1 amp
- Weight:** 12 kilograms
- Accurate:** Strike rates of 98%+ possible





The Dix Electronic Hand Labeller is an ergonomic, efficient, low maintenance labeller, suitable for a wide variety of fruit and vegetables.



### Features and Benefits:

- Tough self-lubricating parts  
Minimal maintenance required.
- Permanent magnet motor  
No gearbox; direct drive.
- Photo switch operation  
Contains no micro switches to wear out or break.
- Activated by moving the labeller towards the operator and across the surface of the object being labelled  
Low operator fatigue and high productivity without RSI problems.
- No jamming and large label rolls  
Easy loading of labels with minimal reloading time.
- Strong and durable construction  
Long lasting with minimal maintenance for many years of service.
- Ergonomically designed with weight near hand for ease of handling and control  
No finger or wrist action required.

### Typical Applications:

- Tray Labelling
- Punnets  
Cartons and Boxes  
Fruit and Vegetables

### Specifications:

- Capability:** 6 standard labels per second
- Labels:** 17 – 25mm wide  
Option: up to 49mm wide x 75mm long
- Label Rolls:** 125mm OD x 50.8mm (2") ID Core
- Power Supply:** 240 Volt AC or  
12 Volt DC
- Capacity:** Up to 5000 STD labels per roll



Dix Stainless Steel Screen Filters are manufactured from high strength 304-grade stainless steel that ensures exceptional corrosion and wear resistance, providing many years of reliable service.



### Features and Benefits:

- All welds dip passivated  
Durable and corrosion resistant.
- Simple and robust construction  
Reliable trouble-free operation.
- Brushvac™ backflushing system  
Provides an effective, shorter cleaning cycle.
- Tapered screens on 3,000 to 10,000 models  
Improves flushing efficiency minimising waste water.
- Brush and vacuum system is more effective than vacuum only designs  
Copes well with debris that block screens in other designs.
- Automatic backflush control operates on both time and pressure differential  
Saves energy and water (flow sensor flushing option available).
- Australian Made  
Fabrication to suit project specific requirements.
- Manufactured to ISO 9001  
Ensures consistent high quality.



### Typical Applications:

- Farming  
Used for screening water supply from rivers, lakes, dams, channels and bores.
- Irrigation  
Primary filtration for the prevention of blockages in drip systems, sprinkler systems and centre pivots.
- Industrial and Power  
Filtration of water for heat exchangers, cooling towers and waste water recycling.
- Metal Processing Plants  
Filtration for water cooling and spray nozzles.
- Mining  
Cleaning of process and waste water.
- FMCG (fast moving consumer goods)  
'Hygienic' models for use in specialised food process applications, bottling lines, juice lines.
- Commercial  
Golf course and sporting field irrigation systems.





## Product Specifications:

Dix stainless steel filters are manufactured from 304-grade stainless steel (316 optional) and are available in an extensive range of configurations, sizes and filtration grades, including;

- Manual and automatic backflushing
- Body configurations, in-line or right angle models
- Backflush motor available as 12V DC; 240V AC or 415V AC
- Backflush controller available as 12V DC; 24V AC; 240V AC or 415VAC
- Nominal flow rates of 375; 500; 750; 1,500; 3,000; 4,500; 7,500 and 10,000Lpm
- Working pressure 1000kPa
- Other configurations and flanges are available upon request
- Manifolds can be built to bank multiple filters for greater flow rates and to allow individual filters to be serviced while the system is operational
- It is recommended that a straight section of feed, of at least ten but preferably fifteen times the diameter of connecting pipe, is allowed between the filter and any other device on the inlet side

## Inlet / Outlet Sizing and Screen Sizes:

Model	Body Type	Thread / Flange Size (TableD)						Screen Size (woven) (mesh)				Screen Size (punched) (mm)				
		Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	150	120	80	50	0.51	0.75	1.00	1.60	3.25
375	In-Line	2" BSP	2" BSP	-	-	-	-	Y	Y	Y	Y	Y	Y	Y	Y	Y
500	In-Line	2" BSP	2" BSP	-	-	-	-	Y	Y	Y	Y	Y	Y	Y	Y	Y
750	In-Line	80mm	80mm	-	-	-	-	Y	Y	Y	Y	Y	Y	Y	Y	Y
	R/Angle	80mm	80mm	-	-	-	-	Y	Y	Y	Y	Y	Y	Y	Y	Y
1,500	In-Line	100mm	100mm	-	-	-	-	Y	Y	Y	Y	Y	Y	Y	Y	Y
	R/Angle	100mm	100mm	-	-	-	-	Y	Y	Y	Y	Y	Y	Y	Y	Y
3,000	In-Line	150mm	150mm	-	-	-	-	Y	Y	Y	Y	Y	Y	Y	Y	Y
	R/Angle	150mm	150mm	125mm	150mm	100mm	150mm	Y	Y	Y	Y	Y	Y	Y	Y	Y
4,500	In-Line	200mm	200mm	150mm	150mm	-	-	n/a	n/a	Y	Y	Y	Y	Y	Y	Y
	R/Angle	200mm	200mm	150mm	200mm	150mm	150mm	n/a	n/a	Y	Y	Y	Y	Y	Y	Y
7,500	In-Line	250mm	250mm	-	-	-	-	n/a	n/a	Y	Y	Y	Y	Y	Y	Y
	R/Angle	250mm	250mm	-	-	-	-	n/a	n/a	Y	Y	Y	Y	Y	Y	Y
10,000	In-Line	300mm	300mm	250mm	250mm	-	-	n/a	n/a	Y	Y	Y	Y	Y	Y	Y
	R/Angle	300mm	300mm	250mm	250mm	-	-	n/a	n/a	Y	Y	Y	Y	Y	Y	Y

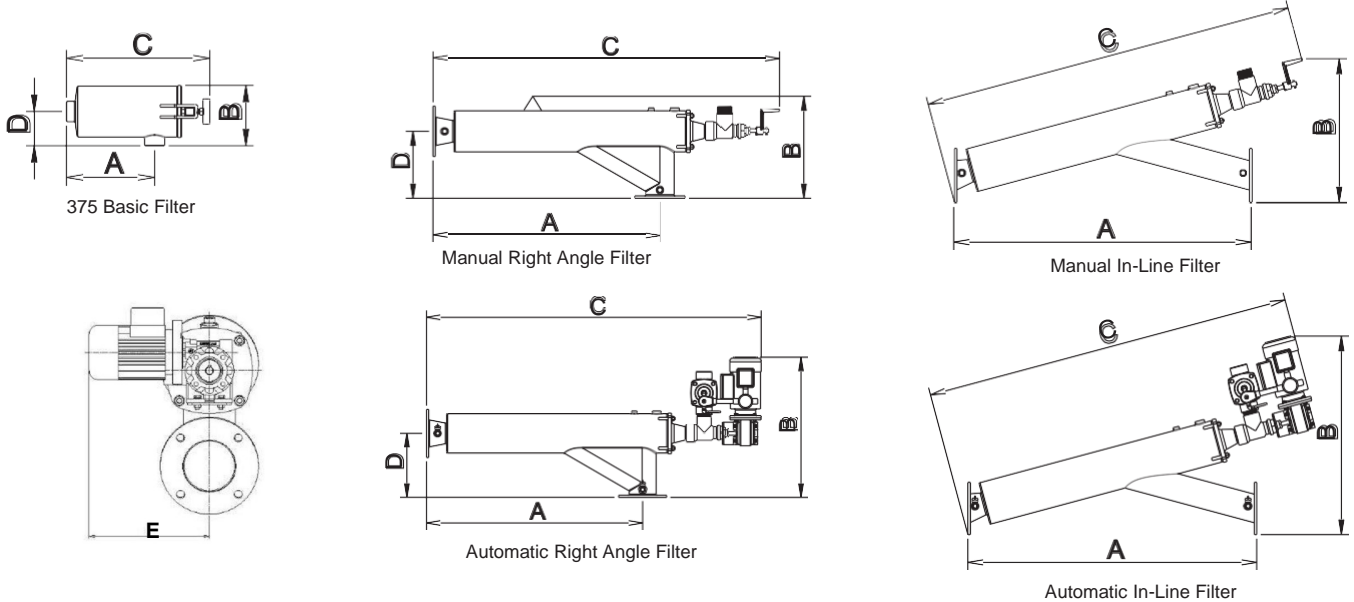
Note: Woven screens are supported by a 3.25mm punched backing screen.

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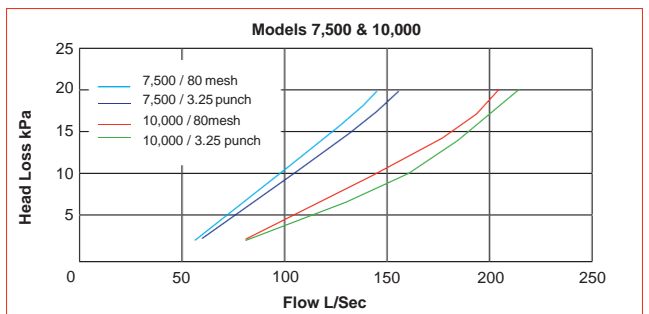
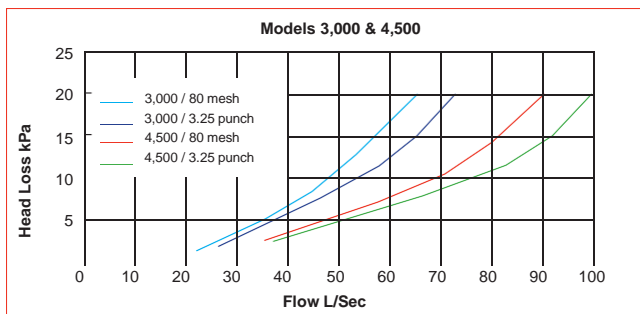
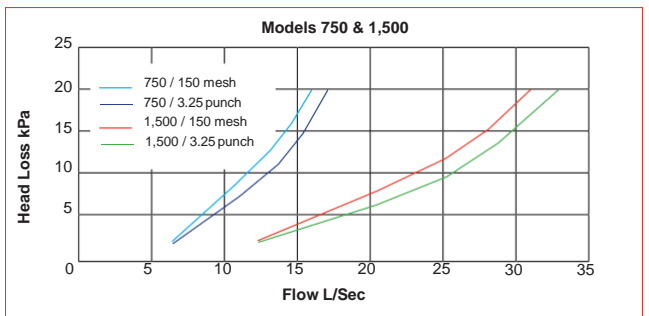
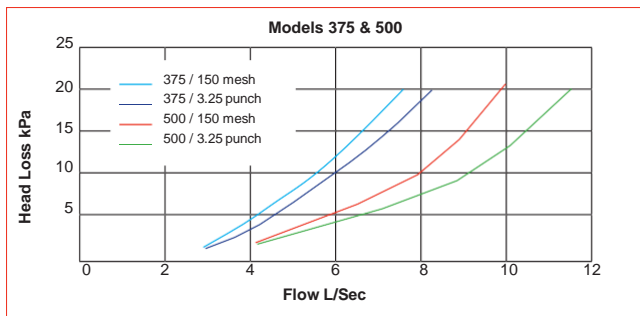
## Dimensions:

Model	A	B		C		D	E
		Manual	Automatic	Manual	Automatic		
375 Basic	255	180	–	430	–	100	–
375 In-Line	418	300	355	610	605	–	230
500 In-Line	544	260	370	750	755	–	230
750 In-Line	670	380	510	1,000	995	–	270
750 Right Angle	485	345	415	985	1,000	250	270
1,500 In-Line	1,175	460	530	1,475	1,510	–	270
1,500 Right Angle	975	370	440	1,460	1,490	280	270
3,000 In-Line	1,140	640	660	1,500	1,505	–	270
3,000 Right Angle	830	470	490	1,430	1,440	324	270
4,500 In-Line (150F)	1,590	730	705	1,890	1,860	-	300
4,500 In-Line (200F)	1,370	755	730	1,790	1,760	-	300
4,500 Right Angle	1,120	540	530	1,755	1,730	400	300
7,500 In-Line	1,740	845	815	2,120	2,100	-	300
7,500 Right Angle	1,405	784	655	2,050	2,030	520	300
10,000 In-Line	2,240	1,035	1,010	2,555	2,535	-	300
10,000 Right Angle	1,760	1010	835	2,625	2,600	700	300



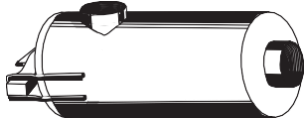
## Performance Characteristics: Head Loss vs Flow:

**Note:** Nominal filter flow rates are determined at 15kPa head loss with a clean screen and clean water. Advice should be sought for higher flow rates. Performance characteristics stated may vary considerably depending on the type and volume of contaminants, degree of filtration required and other system characteristics. Contact DIX to discuss project specific flow rates.



## Model 375 Basic

Nominal Flow: 375Lpm, 23m<sup>3</sup>/hr, 6.3L/sec  
 Screen Surface Area: 0.08m<sup>2</sup>  
 Inlet / Outlet: 2" BSP Female

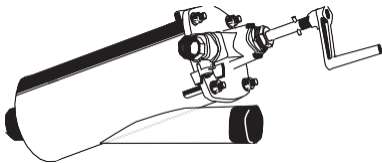


### Right Angle

Screen Size	Code
	Manual
150 Mesh	FL/DR225100M
120 Mesh	FL/DR225200M
80 Mesh	FL/DR225300M
50 Mesh	FL/DR225400M
0.51mm Punched	FL/DR225500M
0.75mm Punched	FL/DR225600M
1.00mm Punched	FL/DR225700M
1.60mm Punched	FL/DR225800M
3.25mm Punched	FL/DR225900M

## Model 375

Nominal Flow: 375Lpm, 23m<sup>3</sup>/hr, 6.3L/sec  
 Screen Surface Area: 0.08m<sup>2</sup>  
 Inlet / Outlet: 2" BSP Male



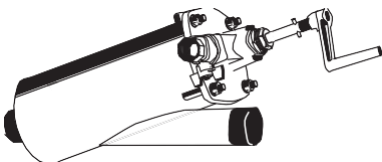
Socket Dimensions			
Flush Valve	Air Relief	Pressure Gauge	Differential Pressure
1" BSP	n/a	n/a	½" BSP

### In-Line

Screen Size	Code
	Manual
150 Mesh	FL/DI225100M
120 Mesh	FL/DI225200M
80 Mesh	FL/DI225300M
50 Mesh	FL/DI225400M
0.51mm Punched	FL/DI225500M
0.75mm Punched	FL/DI225600M
1.00mm Punched	FL/DI225700M
1.60mm Punched	FL/DI225800M
3.25mm Punched	FL/DI225900M

## Model 500

Nominal Flow: 500Lpm, 30m<sup>3</sup>/hr, 8.3L/sec  
 Screen Surface Area: 0.13m<sup>2</sup>  
 Inlet / Outlet: 2" BSP Male



Socket Dimensions			
Flush Valve	Air Relief	Pressure Gauge	Differential Pressure
1" BSP	n/a	n/a	½" BSP

### In-Line

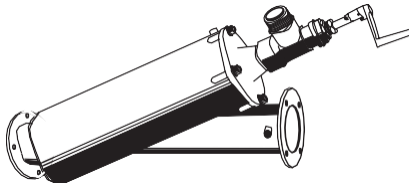
Screen Size	Code
	Manual
150 Mesh	FL/DI030100M
120 Mesh	FL/DI030200M
80 Mesh	FL/DI030300M
50 Mesh	FL/DI030400M
0.51mm Punched	FL/DI030500M
0.75mm Punched	FL/DI030600M
1.00mm Punched	FL/DI030700M
1.60mm Punched	FL/DI030800M
3.25mm Punched	FL/DI030900M



## Model 750

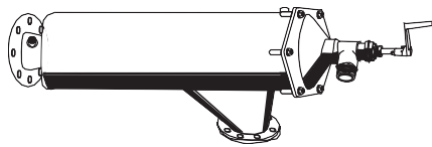
Nominal Flow: 750Lpm, 45m<sup>3</sup>/hr, 12.5L/sec  
 Screen Surface Area: 0.15m<sup>2</sup>  
 Inlet / Outlet: Table D Flanges – 80mm

Socket Dimensions			
Flush Valve	Air Relief	Pressure Gauge	Differential Pressure
2" BSP	1" BSP	½" BSP	½" BSP



### In-Line

Screen Size	Code
	Manual
150 Mesh	FL/DI045122M
120 Mesh	FLDI045222M
80 Mesh	FL/DI045322M
50 Mesh	FL/DI045422M
0.51mm Punched	FL/DI045522M
0.75mm Punched	FL/DI045622M
1.00mm Punched	FL/DI045722M
1.60mm Punched	FL/DI045822M
3.25mm Punched	FL/DI045922M



### Right Angle

Screen Size	Code
	Manual
150 Mesh	FL/DR045122M
120 Mesh	FL/DR045222M
80 Mesh	FL/DR045322M
50 Mesh	FL/DR045422M
0.51mm Punched	FL/DR045522M
0.75mm Punched	FL/DR045622M
1.00mm Punched	FL/DR045722M
1.60mm Punched	FL/DR045822M
3.25mm Punched	FL/DR045922M

## Automatic Filter Upgrade

Upgrades a manual filter to an automatic filter at the time of manufacture.

Includes:

- Brush Shaft
- Motor, gearbox and mounting bracket
- Controller
- Electronic Pressure Differential Gauge Switch
- 12 Volt DC and Solar available as option (POA)
- Flush Valve and Solenoid
- Control pressure tubing & finger filters

NOTE: Field wiring between controller & filter motor should be connected by a licensed electrician.

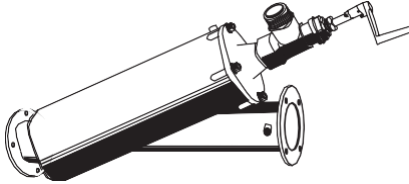
Mode	Code
375, 500, 750 240 Volt	FL/DAUTOU240
375, 500, 750 415 Volt	FL/DAUTOU415

\*UPGRADES ALSO AVAILABLE FOR LARGER SIZE MANUAL FILTERS

## Model 1,500

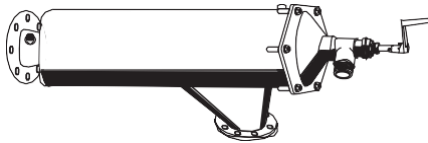
Nominal Flow: 1,500Lpm, 90m<sup>3</sup>/hr, 25L/sec  
 Screen Surface Area: 0.28m<sup>2</sup>  
 Inlet / Outlet: Table D Flanges

Socket Dimensions			
Flush Valve	Air Relief	Pressure Gauge	Differential Pressure
2" BSP	1" BSP	½" BSP	½" BSP



### In-Line

Screen Size	Code		
	Manual	Automatic 240 Volt	Automatic 415 Volt
<b>Inlet 100mm / Outlet 100mm</b>			
150 Mesh	FL/DI090133M	FL/DI0901332	FL/DI0901334
120 Mesh	FL/DI090233M	FL/DI0902332	FL/DI0902334
80 Mesh	FL/DI090333M	FL/DI0903332	FL/DI0903334
50 Mesh	FL/DI090433M	FL/DI0904332	FL/DI0904334
0.51mm Punched	FL/DI090533M	FL/DI0905332	FL/DI0905334
0.75mm Punched	FL/DI090633M	FL/DI0906332	FL/DI0906334
1.00mm Punched	FL/DI090733M	FL/DI0907332	FL/DI0907334
1.60mm Punched	FL/DI090833M	FL/DI0908332	FL/DI0908334
3.25mm Punched	FL/DI090933M	FL/DI0909332	FL/DI0909334



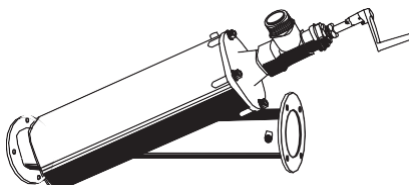
### Right Angle

Screen Size	Code		
	Manual	Automatic 240 Volt	Automatic 415 Volt
<b>Inlet 100mm / Outlet 100mm</b>			
150 Mesh	FL/DR090133M	FL/DR0901332	FL/DR0901334
120 Mesh	FL/DR090233M	FL/DR0902332	FL/DR0902334
80 Mesh	FL/DR090333M	FL/DR0903332	FL/DR0903334
50 Mesh	FL/DR090433M	FL/DR0904332	FL/DR0904334
0.51mm Punched	FL/DR090533M	FL/DR0905332	FL/DR0905334
0.75mm Punched	FL/DR090633M	FL/DR0906332	FL/DR0906334
1.00mm Punched	FL/DR090733M	FL/DR0907332	FL/DR0907334
1.60mm Punched	FL/DR090833M	FL/DR0908332	FL/DR0908334
3.25mm Punched	FL/DR090933M	FL/DR0909332	FL/DR0909334

## Model 3,000

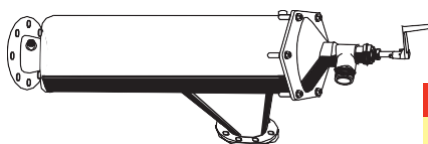
Nominal Flow: 3,000Lpm, 180m<sup>3</sup>/hr, 50L/sec  
 Screen Surface Area: 0.46m<sup>2</sup>  
 Inlet / Outlet: Table D Flanges

Socket Dimensions			
Flush Valve	Air Relief	Pressure Gauge	Differential Pressure
2" BSP	2" BSP	½" BSP	½" BSP



### In-Line

Screen Size	Code		
	Manual	Automatic 240 Volt	Automatic 415 Volt
<b>Inlet 150mm / Outlet 150mm</b>			
150 Mesh	FL/DI180155M	FL/DI1801552	FL/DI1801554
120 Mesh	FL/DI180255M	FL/DI1802552	FL/DI1802554
80 Mesh	FL/DI180355M	FL/DI1803552	FL/DI1803554
50 Mesh	FL/DI180455M	FL/DI1804552	FL/DI1804554
0.51mm Punched	FL/DI180555M	FL/DI1805552	FL/DI1805554
0.75mm Punched	FL/DI180655M	FL/DI1806552	FL/DI1806554
1.00mm Punched	FL/DI180755M	FL/DI1807552	FL/DI1807554
1.60mm Punched	FL/DI180855M	FL/DI1808552	FL/DI1808554
3.25mm Punched	FL/DI180955M	FL/DI1809552	FL/DI1809554



### Right Angle

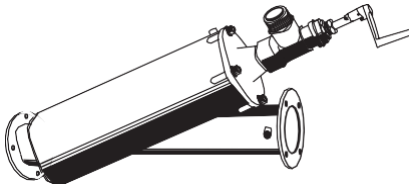
Screen Size	Code		
	Manual	Automatic 240 Volt	Automatic 415 Volt
<b>Inlet 100mm / Outlet 150mm</b>			
150 Mesh	FL/DR180135M	FL/DR1801352	FL/DR1801354
120 Mesh	FL/DR180235M	FL/DR1802352	FL/DR1802354
80 Mesh	FL/DR180335M	FL/DR1803352	FL/DR1803354
50 Mesh	FL/DR180435M	FL/DR1804352	FL/DR1804354
0.51mm Punched	FL/DR180535M	FL/DR1805352	FL/DR1805354
0.75mm Punched	FL/DR180635M	FL/DR1806352	FL/DR1806354
1.00mm Punched	FL/DR180735M	FL/DR1807352	FL/DR1807354
1.60mm Punched	FL/DR180835M	FL/DR1808352	FL/DR1808354
3.25mm Punched	FL/DR180935M	FL/DR1809352	FL/DR1809354
<b>Inlet 125mm / Outlet 150mm</b>			
150 Mesh	FL/DR180145M	FL/DR1801452	FL/DR1801454
120 Mesh	FL/DR180245M	FL/DR1802452	FL/DR1802454
80 Mesh	FL/DR180345M	FL/DR1803452	FL/DR1803454
50 Mesh	FL/DR180445M	FL/DR1804452	FL/DR1804454
0.51mm Punched	FL/DR180545M	FL/DR1805452	FL/DR1805454
0.75mm Punched	FL/DR180645M	FL/DR1806452	FL/DR1806454
1.00mm Punched	FL/DR180745M	FL/DR1807452	FL/DR1807454
1.60mm Punched	FL/DR180845M	FL/DR1808452	FL/DR1808454
3.25mm Punched	FL/DR180945M	FL/DR1809452	FL/DR1809454
<b>Inlet 150mm / Outlet 150mm</b>			
150 Mesh	FL/DR180155M	FL/DR1801552	FL/DR1801554
120 Mesh	FL/DR180255M	FL/DR1802552	FL/DR1802554
80 Mesh	FL/DR180355M	FL/DR1803552	FL/DR1803554
50 Mesh	FL/DR180455M	FL/DR1804552	FL/DR1804554
0.51mm Punched	FL/DR180555M	FL/DR1805552	FL/DR1805554
0.75mm Punched	FL/DR180655M	FL/DR1806552	FL/DR1806554
1.00mm Punched	FL/DR180755M	FL/DR1807552	FL/DR1807554
1.60mm Punched	FL/DR180855M	FL/DR1808552	FL/DR1808554
3.25mm Punched	FL/DR180955M	FL/DR1809552	FL/DR1809554



## Model 4,500

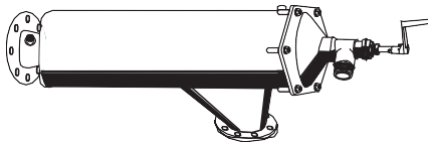
Nominal Flow: 4,500Lpm, 270m<sup>3</sup>/hr, 75L/sec  
 Screen Surface Area: 0.65m<sup>2</sup>  
 Inlet / Outlet: Table D Flanges

Socket Dimensions			
Flush Valve	Air Relief	Pressure Gauge	Differential Pressure
2" BSP	2" BSP	½" BSP	½" BSP



### In-Line

Screen Size	Code		
	Manual	Automatic 240 Volt	Automatic 415 Volt
<b>Inlet 150mm / Outlet 150mm</b>			
80 Mesh	FL/DI270355M	FL/DI2703552	FL/DI2703554
50 Mesh	FL/DI270455M	FL/DI2704552	FL/DI2704554
0.51mm Punched	FL/DI270555M	FL/DI2705552	FL/DI2705554
0.75mm Punched	FL/DI270655M	FL/DI2706552	FL/DI2706554
1.00mm Punched	FL/DI270755M	FL/DI2707552	FL/DI2707554
1.60mm Punched	FL/DI270855M	FL/DI2708552	FL/DI2708554
3.25mm Punched	FL/DI270955M	FL/DI2709552	FL/DI2709554
<b>Inlet 200mm / Outlet 200mm</b>			
80 Mesh	FL/DI270366M	FL/DI2703662	FL/DI2703664
50 Mesh	FL/DI270466M	FL/DI2704662	FL/DI2704664
0.51mm Punched	FL/DI270566M	FL/DI2705662	FL/DI2705664
0.75mm Punched	FL/DI270666M	FL/DI2706662	FL/DI2706664
1.00mm Punched	FL/DI270766M	FL/DI2707662	FL/DI2707664
1.60mm Punched	FL/DI270866M	FL/DI2708662	FL/DI2708664
3.25mm Punched	FL/DI270966M	FL/DI2709662	FL/DI2709664



### Right Angle

Screen Size	Code		
	Manual	Automatic 240 Volt	Automatic 415 Volt
<b>Inlet 150mm / Outlet 150mm</b>			
80 Mesh	FL/DR270355M	FL/DR2703552	FL/DR2703554
50 Mesh	FL/DR270455M	FL/DR2704552	FL/DR2704554
0.51mm Punched	FL/DR270555M	FL/DR2705552	FL/DR2705554
0.75mm Punched	FL/DR270655M	FL/DR2706552	FL/DR2706554
1.00mm Punched	FL/DR270755M	FL/DR2707552	FL/DR2707554
1.60mm Punched	FL/DR270855M	FL/DR2708552	FL/DR2708554
3.25mm Punched	FL/DR270955M	FL/DR2709552	FL/DR2709554
<b>Inlet 150mm / Outlet 200mm</b>			
80 Mesh	FL/DR270356M	FL/DR2703562	FL/DR2703564
50 Mesh	FL/DR270456M	FL/DR2704562	FL/DR2704564
0.51mm Punched	FL/DR270556M	FL/DR2705562	FL/DR2705564
0.75mm Punched	FL/DR270656M	FL/DR2706562	FL/DR2706564
1.00mm Punched	FL/DR270756M	FL/DR2707562	FL/DR2707564
1.60mm Punched	FL/DR270856M	FL/DR2708562	FL/DR2708564
3.25mm Punched	FL/DR270956M	FL/DR2709562	FL/DR2709564
<b>Inlet 200mm / Outlet 200mm</b>			
80 Mesh	FL/DR270366M	FL/DR2703662	FL/DR2703664
50 Mesh	FL/DR270466M	FL/DR2704662	FL/DR2704664
0.51mm Punched	FL/DR270566M	FL/DR2705662	FL/DR2705664
0.75mm Punched	FL/DR270666M	FL/DR2706662	FL/DR2706664
1.00mm Punched	FL/DR270766M	FL/DR2707662	FL/DR2707664
1.60mm Punched	FL/DR270866M	FL/DR2708662	FL/DR2708664
3.25mm Punched	FL/DR270966M	FL/DR2709662	FL/DR2709664

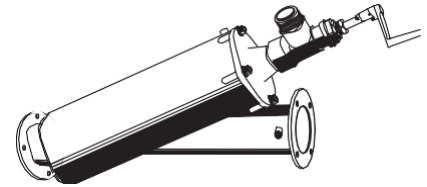
## Model 7,500

Nominal Flow: 7,500Lpm, 450m<sup>3</sup>/hr, 125L/sec  
 Screen Surface Area: 1.04m<sup>2</sup>  
 Inlet / Outlet: Table D Flanges

Socket Dimensions			
Flush Valve	Air Relief	Pressure Gauge	Differential Pressure
2" BSP	2" BSP	½" BSP	½" BSP

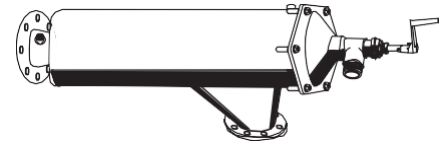
### In-Line

Screen Size	Code	Code	Code
	Manual	Automatic 240 Volt	Automatic 415 Volt
<b>Inlet 250mm / Outlet 250mm</b>			
80 Mesh	FL/DI450377M	FL/DI4503772	FL/DI4503774
50 Mesh	FL/DI450477M	FL/DI4504772	FL/DI4504774
0.51mm Punched	FL/DI450577M	FL/DI4505772	FL/DI4505774
0.75mm Punched	FL/DI450677M	FL/DI4506772	FL/DI4506774
1.00mm Punched	FL/DI450777M	FL/DI4507772	FL/DI4507774
1.60mm Punched	FL/DI450877M	FL/DI4508772	FL/DI4508774
3.25mm Punched	FL/DI450977M	FL/DI4509772	FL/DI4509774



### Right Angle

Screen Size	Code	Code	Code
	Manual	Automatic 240 Volt	Automatic 415 Volt
<b>Inlet 250mm / Outlet 250mm</b>			
80 Mesh	FL/DR450377M	FL/DR4503772	FL/DR4503774
50 Mesh	FL/DR450477M	FL/DR4504772	FL/DR2704774
0.51mm Punched	FL/DR450577M	FL/DR4505772	FL/DR2705774
0.75mm Punched	FL/DR450677M	FL/DR4506772	FL/DR2706774
1.00mm Punched	FL/DR450777M	FL/DR4507772	FL/DR2707774
1.60mm Punched	FL/DR450877M	FL/DR4508772	FL/DR2708774
3.25mm Punched	FL/DR450977M	FL/DR4509772	FL/DR2709774



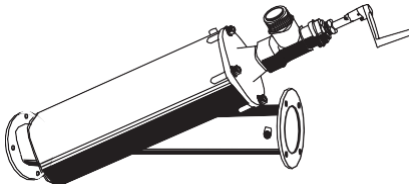
### DIX Micron to Mesh Conversion Chart

Mesh	Micron
150 Mesh	100 Micron
120 Mesh	130 Micron
80 Mesh	200 Micron
50 Mesh	300 Micron
0.51mm Punched	510 Micron
0.75mm Punched	750 Micron
1.00mm Punched	1000 Micron
1.60mm Punched	1600 Micron
3.25mm Punched	3250 Micron

## Model 10,000

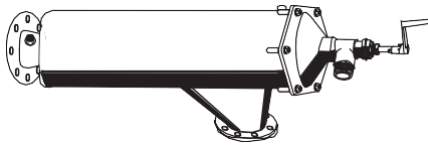
Nominal Flow: 10,000Lpm, 600m<sup>3</sup>/hr, 167L/sec  
 Screen Surface Area: 1.38m<sup>2</sup>  
 Inlet / Outlet: Table D Flanges

Socket Dimensions			
Flush Valve	Air Relief	Pressure Gauge	Differential Pressure
2" BSP	2" BSP	½" BSP	½" BSP



### In-Line

Screen Size	Code		
	Manual	Automatic 240 Volt	Automatic 415 Volt
<b>Inlet 250mm / Outlet 250mm</b>			
80 Mesh	FL/DI600377M	FL/DI6003772	FL/DI6003774
50 Mesh	FL/DI600477M	FL/DI6004772	FL/DI6004774
0.51mm Punched	FL/DI600577M	FL/DI6005772	FL/DI6005774
0.75mm Punched	FL/DI600677M	FL/DI6006772	FL/DI6006774
1.00mm Punched	FL/DI600777M	FL/DI6007772	FL/DI6007774
1.60mm Punched	FL/DI600877M	FL/DI6008772	FL/DI6008774
3.25mm Punched	FL/DI600977M	FL/DI6009772	FL/DI6009774
<b>Inlet 300mm / Outlet 300mm</b>			
80 Mesh	FL/DI600388M	FL/DI6003882	FL/DI6003884
50 Mesh	FL/DI600488M	FL/DI6004882	FL/DI6004884
0.51mm Punched	FL/DI600588M	FL/DI6005882	FL/DI6005884
0.75mm Punched	FL/DI600688M	FL/DI6006882	FL/DI6006884
1.00mm Punched	FL/DI600788M	FL/DI6007882	FL/DI6007884
1.60mm Punched	FL/DI600888M	FL/DI6008882	FL/DI6008884
3.25mm Punched	FL/DI600988M	FL/DI6009882	FL/DI6009884



### Right Angle

Screen Size	Code		
	Manual	Automatic 240 Volt	Automatic 415 Volt
<b>Inlet 250mm / Outlet 250mm</b>			
80 Mesh	FL/DR600377M	FL/DR6003772	FL/DR6003774
50 Mesh	FL/DR600477M	FL/DR6004772	FL/DR6004774
0.51mm Punched	FL/DR600577M	FL/DR6005772	FL/DR6005774
0.75mm Punched	FL/DR600677M	FL/DR6006772	FL/DR6006774
1.00mm Punched	FL/DR600777M	FL/DR6007772	FL/DR6007774
1.60mm Punched	FL/DR600877M	FL/DR6008772	FL/DR6008774
3.25mm Punched	FL/DR600977M	FL/DR6009772	FL/DR6009774
<b>Inlet 300mm / Outlet 300mm</b>			
80 Mesh	FL/DR600388M	FL/DR6003882	FL/DR6003884
50 Mesh	FL/DR600488M	FL/DR6004882	FL/DR6004884
0.51mm Punched	FL/DR600588M	FL/DR6005882	FL/DR6005884
0.75mm Punched	FL/DR600688M	FL/DR6006882	FL/DR6006884
1.00mm Punched	FL/DR600788M	FL/DR6007882	FL/DR6007884
1.60mm Punched	FL/DR600888M	FL/DR6008882	FL/DR6008884
3.25mm Punched	FL/DR600988M	FL/DR6009882	FL/DR6009884



Dix Media filters employ a 'natural' form of filtration – forcing water under pressure through a bed of sand or gravel. By careful media selection, filtration grades of 20 micron or less can be achieved.



### Features and Benefits:

- All welds dip passivated  
Durable and corrosion resistant.
- Simple and robust construction  
Reliable trouble-free operation.
- “Mushroom” style nozzle design employed  
Prevent media escape, improves backflush effectiveness, decreases waste water.
- Fully serviceable nozzles fitted with positive sealing grommets  
Provides excellent media retention at high flow rates.
- Each tank fitted with its own secondary AZUD disc filter  
Captures any “fine or worn” media particles that may pass through the nozzles.
- Symmetrical inlet / outlet manifold design (linear array or rectangular array options)  
Permits connection from either end, minimises installation floor space requirements.
- Automatic backflush control operates on both time and pressure differential  
Saves energy and water (flow sensor flushing option available).
- Australian Made  
Fabrication to suit project specific requirements.
- Manufactured to ISO 9001  
Ensures consistent quality.



### Typical Applications:

- Vineyards and orchards
- Low volume drip irrigation
- Municipal swimming pools
- Vehicle wash plant recycled water
- Pre-filtration on water treatment plants
- Cooling towers (full system or side-stream)



## Product Specifications:

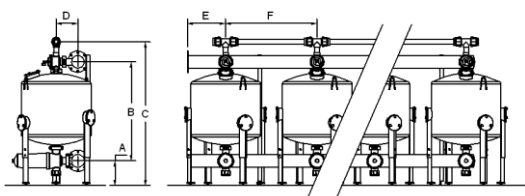
Dix Hydromedia filters are manufactured from 304-grade stainless steel and are available in a number of tank sizes and configurations, including:

- 230mm, 380mm, 500mm, 700mm, 900mm and 1200mm diameters
- Manual backflushing models: 230mm and 380mm tank sizes
- Automatic backflushing models: 500mm, 900mm and 1200mm tank sizes
- Backflush controller available as 12V DC; 24V AC and 240V AC
- Media filters can also be made to customer specifications with or without skids

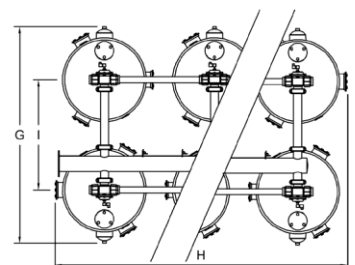
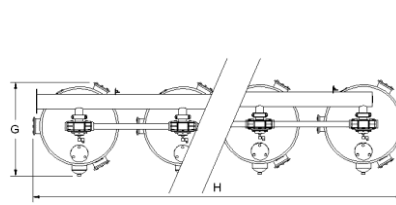
## Dimensions:

Model Number	A	B	C	D	E	F	G	H	I
501-L Mono	200	1260	1710	–	–	–	750	700	–
502-L	200	1260	1710	320	300	900	750	1600	–
503-L	200	1260	1710	320	300	900	750	2500	–
504-L	200	1260	1710	320	300	900	750	3400	–
504-R	200	1260	1710	320	300	900	2200	1600	1250
505-L	200	1260	1710	335	300	900	750	4300	–
506-L	200	1260	1710	335	300	900	750	5200	–
506-R	200	1260	1710	335	300	900	2200	2500	1250
507-L	200	1260	1710	335	300	900	750	6100	–
508-L	200	1260	1710	335	300	900	750	7000	–
508-R	200	1260	1710	335	300	900	2200	3400	1250
702-L	280	1285	1820	305	365	1000	900	2230	–
703-L	280	1285	1820	305	365	1000	900	3580	–
704-L	280	1285	1820	305	365	1000	900	4930	–
704-R	280	1285	1820	305	365	1000	1920	2230	1350
705-L	280	1285	1820	305	365	1000	900	6280	–
706-L	280	1285	1820	305	365	1000	900	7630	–
706-R	280	1285	1820	305	365	1000	1920	3580	1350
707-L	280	1285	1820	305	365	1000	900	8980	–
708-L	280	1285	1820	305	365	1000	900	10330	–
708-R	280	1285	1820	305	365	1000	1920	4930	1350
902-L	280	1300	1850	275	500	1200	1150	2300	–
903-L	280	1300	1850	275	500	1200	1150	3500	–
904-L	280	1300	1850	275	500	1200	1150	4700	–
904-R	280	1300	1850	275	500	1200	2750	2300	1550
905-L	280	1300	1850	300	500	1200	1150	5900	–
906-L	280	1300	1850	300	500	1200	1150	7100	–
906-R	280	1300	1850	300	500	1200	2750	3500	1550
907-L	280	1300	1850	300	500	1200	1150	8300	–
908-L	280	1300	1850	300	500	1200	1150	9500	–
908-R	280	1300	1850	300	500	1200	2750	4700	1550
1202-L	280	1400	2100	285	700	1500	1250	2900	–
1203-L	280	1400	2100	285	700	1500	1250	4400	–
1204-L	280	1400	2100	310	700	1500	1250	5900	–
1204-R	280	1400	2100	310	700	1500	3100	2900	1850
1205-L	280	1400	2100	310	700	1500	1250	7400	–
1206-L	280	1400	2100	340	700	1500	1250	8900	–
1206-R	280	1400	2100	340	700	1500	3100	4400	1850
1207-L	280	1400	2100	340	700	1500	1250	10400	–
1208-L	280	1400	2100	340	700	1500	1250	11900	–
1208-R	280	1400	2100	340	700	1500	3100	5900	1850

DISCLAIMER: The images and dimensions are to be used as a guide only. Although care has been taken to ensure the accuracy of the information DIX cannot be held responsible for any issues resulting from the use of the images and dimensions.



Linear Array

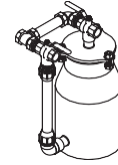


Rectangular Array

## 230mm Diameter

- Flow rates 2m<sup>3</sup>/hr to 3m<sup>3</sup>/hr
- 1000kPa maximum pressure
- 1" BSP Female connections
- Simple manual control for backflush.
- Automatic available upon request.
- Suitable for use in rural home water supply
- Pressure Gauge ports provided.

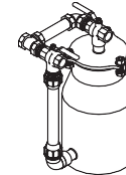
Array	Manifold Size	Maximum Flow Rate	Code
1 x 1	1" BSP Female	3m <sup>3</sup> /hr	FL/HS0201LM0



## 380mm Diameter

- Flow rates 3.5m<sup>3</sup>/hr to 6.5m<sup>3</sup>/hr
- 1000kPa maximum pressure
- 1½" BSP Female connections
- Simple manual control for backflush
- Automatic available upon request.
- Suitable for use in rural home water supply
- Pressure Gauge ports provided.

Array	Manifold Size	Maximum Flow Rate	Code
1 x 1	1½" BSP Female	6.5m <sup>3</sup> /hr	FL/HS0380LM0

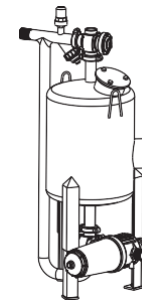


## 500mm Diameter – Automatic

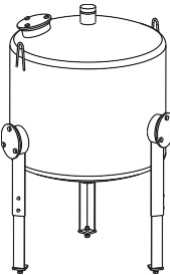
- Flow rates 8m<sup>3</sup>/hr to 12m<sup>3</sup>/hr
- 1000kPa maximum pressure
- Azud disc check filter
- AC and DC automatic controller option

Array	Manifold Size	Maximum Flow Rate	Code
1 x 1	2" BSP Female	12m <sup>3</sup> /hr	FL/HS0501LN0

Note: minimum flow rates are based on providing adequate flow for back-wash.



## Housings

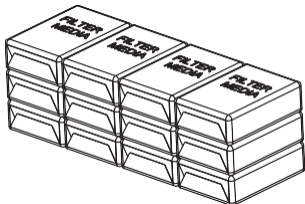


Description	Code
<b>500mm 1300kPa 12m<sup>3</sup>/hr Sand Vol.</b> 300mm media depth (0.6m <sup>3</sup> )	FL/HST0500N0
<b>700mm 1000kPa 21m<sup>3</sup>/hr</b> 360mm media depth (0.15m <sup>3</sup> )	FL/HST0700N0
<b>900mm 700kPa 39m<sup>3</sup>/hr</b> 360mm media depth (0.23m <sup>3</sup> )	FL/HST0900N0
<b>1200mm 700kPa 69m<sup>3</sup>/hr</b> 360mm media depth (0.41m <sup>3</sup> )	FL/HST1200N0

\* Other Designs can be made to order (bag quantities for medium river sand)

**Note: Nominal filter flow rates are determined at 35kPa head loss with clean media and clean water. Advice should be sought for higher flow rates. Performance characteristics stated may vary considerably depending on the type and volume of contaminants, degree of filtration required and other system characteristics. Contact DIX to discuss project specific flow rates.**

## Hydromedia Filter Media Filter Sand – 20kg bags



Description	Code
<b>Grade 8/16</b> 1.0mm effective size	130 – 175µm FL/HSAND0816
<b>Grade 16/30</b> 0.6mm effective size	75 – 130µm FL/HSAND1630
<b>Grade 20/40</b> 0.4mm effective size	50 – 75µm FL/HSAND2040

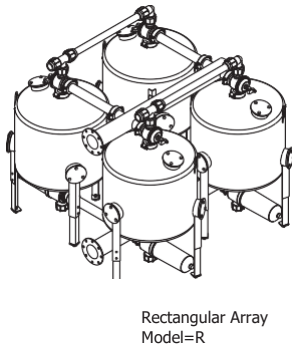
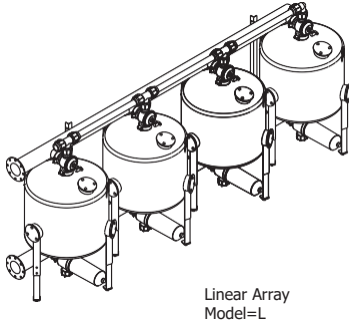
## Glass Filtration Media

Description	Code
<b>M10 Fine</b>	FL/HGLASSM10F
<b>M10 Course</b>	FL/HGLASSM10G



## Multi-Units

- Supplied in modular form ready to assemble.
- Complete with all valves, tubing, connectors and flushline controller.
- Media supplied separately.
- 304 Stainless Steel (316 available)
- Can be supplied to customer specifications.



Model	Array	Manifold Size	Nominal Flow Rate	Code
<b>500mm Diameter</b>				
502-L	1 x 2	80mm	24m <sup>3</sup> /hr	FL/HS0502LNO
503-L	1 x 3	80mm	36m <sup>3</sup> /hr	FL/HS0503LNO
504-L	1 x 4	80mm	48m <sup>3</sup> /hr	FL/HS0504LNO
504-R	2 x 2	80mm	48m <sup>3</sup> /hr	FL/HS0504RNO
505-L	1 x 5	100mm	60m <sup>3</sup> /hr	FL/HS0505LNO
506-L	1 x 6	100mm	72m <sup>3</sup> /hr	FL/HS0506LNO
506-R	2 x 3	100mm	72m <sup>3</sup> /hr	FL/HS0506RNO
507-L	1 x 7	100mm	84m <sup>3</sup> /hr	FL/HS0507LNO
508-L	1 x 8	100mm	96m <sup>3</sup> /hr	FL/HS0508LNO
508-R	2 x 4	100mm	96m <sup>3</sup> /hr	FL/HS0508RNO
<b>700mm Diameter</b>				
702-L	1 x 2	100mm	42m <sup>3</sup> /hr	FL/HS0702LNO
703-L	1 x 3	150mm	63m <sup>3</sup> /hr	FL/HS0703LNO
704-L	1 x 4	150mm	84m <sup>3</sup> /hr	FL/HS0704LNO
704-R	2 x 2	150mm	84m <sup>3</sup> /hr	FL/HS0704RNO
705-L	1 x 5	150mm	105m <sup>3</sup> /hr	FL/HS0705LNO
706-L	1 x 6	200mm	126m <sup>3</sup> /hr	FL/HS0706LNO
706-R	2 x 3	200mm	126m <sup>3</sup> /hr	FL/HS0706RNO
707-L	1 x 7	200mm	147m <sup>3</sup> /hr	FL/HS0707LNO
708-L	1 x 8	200mm	168m <sup>3</sup> /hr	FL/HS0708LNO
708-R	2 x 4	200mm	189m <sup>3</sup> /hr	FL/HS0708RNO
<b>900mm Diameter</b>				
902-L	1 x 2	100mm	78m <sup>3</sup> /hr	FL/HS0902LNO
903-L	1 x 3	150mm	116m <sup>3</sup> /hr	FL/HS0903LNO
904-L	1 x 4	150mm	155m <sup>3</sup> /hr	FL/HS0904LNO
904-R	2 x 2	150mm	155m <sup>3</sup> /hr	FL/HS0904RNO
905-L	1 x 5	150mm	194m <sup>3</sup> /hr	FL/HS0905LNO
906-L	1 x 6	200mm	233m <sup>3</sup> /hr	FL/HS0906LNO
906-R	2 x 3	200mm	233m <sup>3</sup> /hr	FL/HS0906RNO
907-L	1 x 7	200mm	272m <sup>3</sup> /hr	FL/HS0907LNO
908-L	1 x 8	200mm	310m <sup>3</sup> /hr	FL/HS0908LNO
908-R	2 x 4	200mm	310m <sup>3</sup> /hr	FL/HS0908RNO
<b>1200mm Diameter</b>				
1202-L	1 x 2	150mm	138m <sup>3</sup> /hr	FL/HS1202LNO
1203-L	1 x 3	150mm	207m <sup>3</sup> /hr	FL/HS1203LNO
1204-L	1 x 4	200mm	276m <sup>3</sup> /hr	FL/HS1204LNO
1204-R	2 x 2	200mm	276m <sup>3</sup> /hr	FL/HS1204RNO
1205-L	1 x 5	200mm	345m <sup>3</sup> /hr	FL/HS1205LNO
1206-L	1 x 6	250mm	414m <sup>3</sup> /hr	FL/HS1206LNO
1206-R	2 x 3	250mm	414m <sup>3</sup> /hr	FL/HS1206RNO
1207-L	1 x 7	250mm	483m <sup>3</sup> /hr	FL/HS1207LNO
1208-L	1 x 8	250mm	552m <sup>3</sup> /hr	FL/HS1208LNO
1208-R	2 x 4	250mm	552m <sup>3</sup> /hr	FL/HS1208RNO

Deep Bed Tanks - made to order

Skids - skids (hot dipped galvanised) can be provided on request

**Note: Nominal filter flow rates are determined at 35kPa head loss with clean media and clean water. Advice should be sought for higher flow rates. Performance characteristics stated may vary considerably depending on the type and volume of contaminants, degree of filtration required and other system characteristics. Contact DIX to discuss project specific flow rates.**

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.**

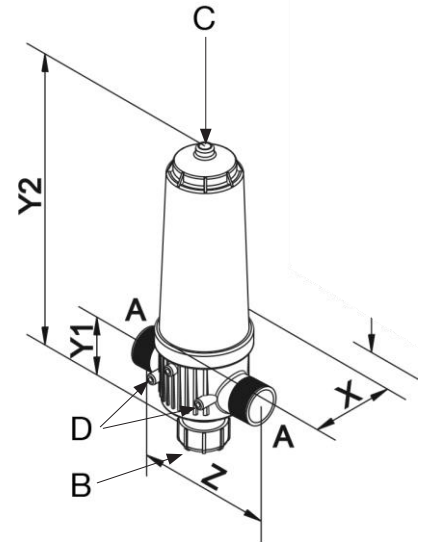


## Product Specifications:

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
<b>Disc</b>					
20	8m <sup>3</sup> /hr	8m <sup>3</sup> /hr	8m <sup>3</sup> /hr	8m <sup>3</sup> /hr	8m <sup>3</sup> /hr
50	15m <sup>3</sup> /hr	15m <sup>3</sup> /hr	15m <sup>3</sup> /hr	15m <sup>3</sup> /hr	15m <sup>3</sup> /hr
100	30m <sup>3</sup> /hr	50m <sup>3</sup> /hr	30m <sup>3</sup> /hr	30m <sup>3</sup> /hr	50m <sup>3</sup> /hr
130	30m <sup>3</sup> /hr	50m <sup>3</sup> /hr	30m <sup>3</sup> /hr	30m <sup>3</sup> /hr	50m <sup>3</sup> /hr
200	30m <sup>3</sup> /hr	50m <sup>3</sup> /hr	30m <sup>3</sup> /hr	30m <sup>3</sup> /hr	50m <sup>3</sup> /hr
<b>Screen</b>					
150	–	–	30m <sup>3</sup> /hr	30m <sup>3</sup> /hr	50m <sup>3</sup> /hr
120	–	–	30m <sup>3</sup> /hr	30m <sup>3</sup> /hr	50m <sup>3</sup> /hr
75	–	–	30m <sup>3</sup> /hr	30m <sup>3</sup> /hr	50m <sup>3</sup> /hr
<b>Thread / Flange</b>					
Inlet	2" BSP	3" BSP	2" BSP	2" BSP	3" BSP
Outlet	2" BSP	3" BSP	2" BSP	2" BSP	3" BSP



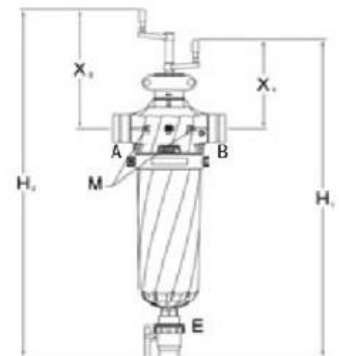
## Dimensions:

Filter	A	A	B	C	D	X	Y1	Y2	Z
Model	Inlet	Outlet	Cap	Port	BSP	mm	mm	mm	mm
Thread	BSP	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

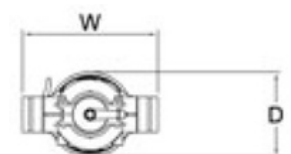


Description	Maximum Flow Rate	Code
2NR 130 Mesh Kit	30m <sup>3</sup> /hr	FL/AZ17B2N6D6
2SR 130 Mesh Kit	30m <sup>3</sup> /hr	FL/AZ17B2SRD6
3NR 130 Mesh Kit	50m <sup>3</sup> /hr	FL/AZ17B3NRD6
3NW 130 Mesh Kit	50m <sup>3</sup> /hr	FL/AZ17B3NWD6



## Dimensions:

Connection	Model	Connection		Dimensions (mm)					
		A	B	H <sub>1</sub>	H <sub>2</sub>	W	X <sub>1</sub>	X <sub>2</sub>	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



DISCLAIMER: The images and dimensions are to be used as a guide only. Although care has been taken to ensure the accuracy of the information DIX cannot be held responsible for any issues resulting from the use of the images and dimensions.

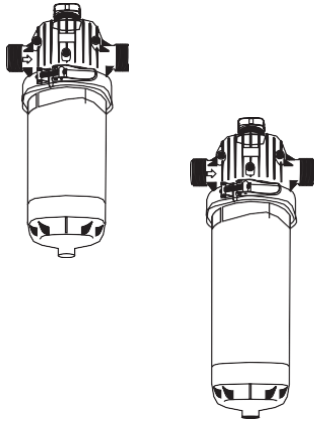
## Helix Disc Filters

**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, 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



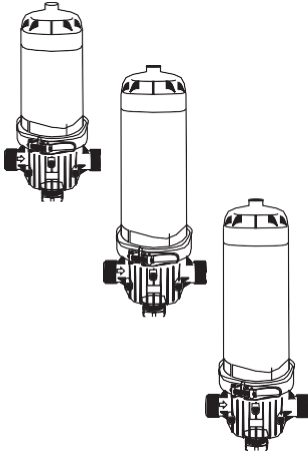
Description		Maximum Flow Rate	Code
<b>2NR – 2" BSP Male Threads</b>			
20 Micron	Disc	8m <sup>3</sup> /hr	FL/AZ172NRH10
50 Micron	Disc	15m <sup>3</sup> /hr	FL/AZ172NRH9
100 Micron	150 Mesh Disc	30m <sup>3</sup> /hr	FL/Z17A2NRH8
130 Micron	120 Mesh Disc	30m <sup>3</sup> /hr	FL/Z17A2NRH6
200 Micron	75 Mesh Disc	30m <sup>3</sup> /hr	FL/AZ17A2NRH0
<b>3NR – 3" BSP Male Threads</b>			
20 Micron	Disc	8m <sup>3</sup> /hr	FL/AZ173NRH10
50 Micron	Disc	15m <sup>3</sup> /hr	FL/Z173NRHH9
100 Micron	150 Mesh Disc	50m <sup>3</sup> /hr	FL/Z17A3NRH8
130 Micron	120 Mesh Disc	50m <sup>3</sup> /hr	FL/Z17A3NRH6
200 Micron	75 Mesh Disc	50m <sup>3</sup> /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.



## Screen Filters

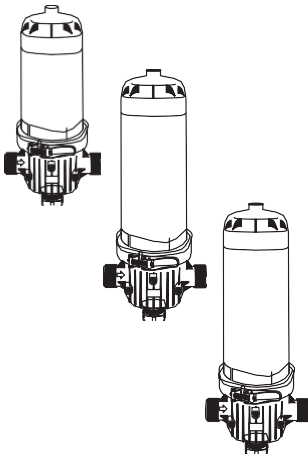
- Filter screens are fabricated from marine-grade 316 stainless steel providing long life and protecting your investment.
- Easily cleaned screens provide an affordable alternative to disposable filter cartridges.



Description				Maximum Flow Rate	Code
<b>2NR – 2" BSP Male Threads</b>					
100 Micron	150 Mesh	Screen	■	30m <sup>3</sup> /hr	FL/AZ17A2NRM8
130 Micron	120 Mesh	Screen	■	30m <sup>3</sup> /hr	FL/AZ17A2NRM6
200 Micron	75 Mesh	Screen	■	30m <sup>3</sup> /hr	FL/AZ17A2NRM0
<b>2SR Super – 2" BSP Male Threads</b>					
100 Micron	150 Mesh	Screen	■	30m <sup>3</sup> /hr	FL/AZ17A2SRM8
130 Micron	120 Mesh	Screen	■	30m <sup>3</sup> /hr	FL/AZ17A2SRM6
200 Micron	75 Mesh	Screen	■	30m <sup>3</sup> /hr	FL/AZ17A2SRM0
<b>3NR – 3" BSP Male Threads</b>					
100 Micron	150 Mesh	Screen	■	50m <sup>3</sup> /hr	FL/AZ17A3NRM8
130 Micron	120 Mesh	Screen	■	50m <sup>3</sup> /hr	FL/AZ17A3NRM6
200 Micron	75 Mesh	Screen	■	50m <sup>3</sup> /hr	FL/AZ17A3NRM0
<b>4SB – 4" Victaulic Connection</b>					
100 Micron	150 Mesh	Screen	■	100m <sup>3</sup> /hr	FL/AZ17A4SBS150
130 Micron	120 Mesh	Screen	■	100m <sup>3</sup> /hr	FL/AZ17A4SBM6
200 Micron	75 Mesh	Screen	■	100m <sup>3</sup> /hr	FL/AZ17A4SBM0

## Helix Automatic Filters

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

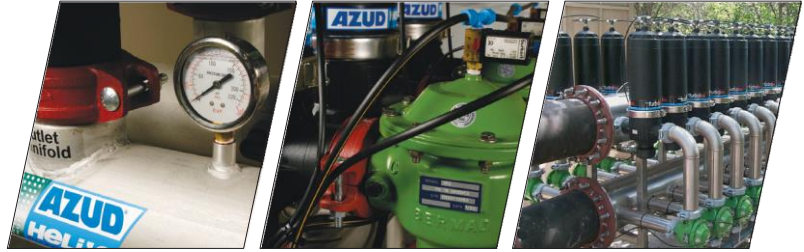


Description				Maximum Flow Rate	Code
<b>2" Victaulic connection</b>					
100 Micron	150 Mesh	Screen	■	24m <sup>3</sup> /hr	FL/AZ17A2SVM8
130 Micron	120 Mesh	Screen	■	24m <sup>3</sup> /hr	FL/AZ17A2SVM6
200 Micron	75 Mesh	Screen	■	24m <sup>3</sup> /hr	FL/AZ17A2SVM0
<b>3" Victaulic connection</b>					
100 Micron	150 Mesh	Screen	■	32m <sup>3</sup> /hr	FL/AZ17A3NVM8
130 Micron	120 Mesh	Screen	■	32m <sup>3</sup> /hr	FL/AZ17A3NVM6
200 Micron	75 Mesh	Screen	■	32m <sup>3</sup> /hr	FL/AZ17A3NVM0
<b>4" Victaulic connection - TWIN</b>					
100 Micron	150 Mesh	Screen	■	48m <sup>3</sup> /hr	FL/AZ17A4SLM8
130 Micron	120 Mesh	Screen	■	48m <sup>3</sup> /hr	FL/AZ17A4SLM6
200 Micron	75 Mesh	Screen	■	48m <sup>3</sup> /hr	FL/AZ17A4SLM0

Optional Disc specifications – discuss with Dix Sales Representative

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

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

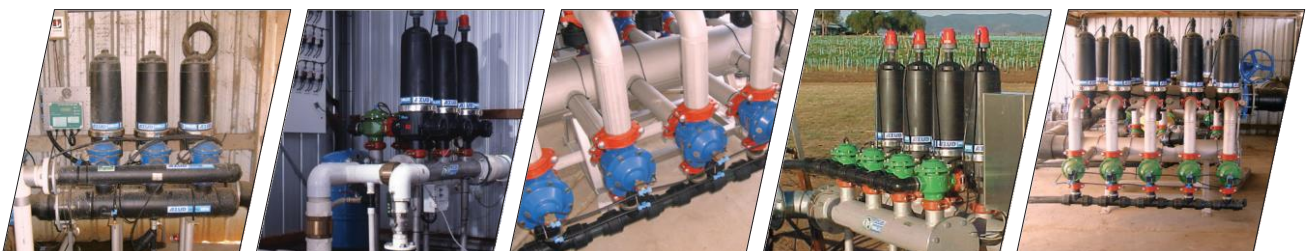


### Features and Benefits:

- 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 180m<sup>3</sup>/hr (306 model)
- Helix automatic Plus available with flow rates from 240m<sup>3</sup>/hr to 360m<sup>3</sup>/hr (308, 310 & 312 models)
- 9m<sup>3</sup>/hr @ 300kPa – minimum flow and pressure for effective backflushing of a single filter (302 to 308 models)
- 18m<sup>3</sup>/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 of Filter Bodies	Nominal Flow Rate	Manifold				Disc Filtration Grade (micron)		
			SS	Size	Poly	Size			
302	2 x 3"	64m <sup>3</sup> /hr	Y	4"	Y	4"	100	130	150
303	3 x 3"	96m <sup>3</sup> /hr	Y	4"	Y	6"	100	130	150
304	4 x 3"	128m <sup>3</sup> /hr	Y	6"	Y	6"	100	130	150
305	5 x 3"	160m <sup>3</sup> /hr	Y	6"	-	~	100	130	150
306	6 x 3"	180m <sup>3</sup> /hr	Y	6"	~	~	100	130	150
306	6 x 3"	192m <sup>3</sup> /hr	Y	8"	-	-	100	130	150
308+	8 x 3"	240m <sup>3</sup> /hr	Y	8"	~	~	100	130	150
310+	10 x 3"	300m <sup>3</sup> /hr	Y	8"	~	~	100	130	150
312+	12 x 3"	360m <sup>3</sup> /hr	Y	10"	~	~	100	130	150

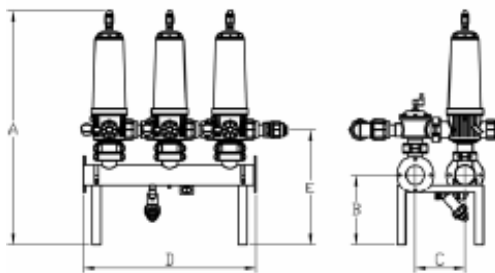
**Note: Nominal flow rates are determined at 35kPa head loss (130 micron). Flow rates higher than the nominal recommended will increase head losses. Flow rates are dependent on water quality and filtration grade. Contact Dix to discuss project specific flow rates.**

## Dimensions:

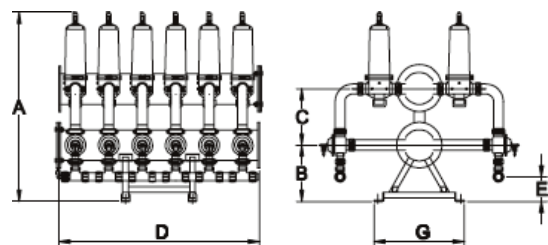
Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
302	1625	730	290	600	1005	720	-
303	1625	730	290	900	1005	720	-
304	1625	730	290	1200	1005	720	-
305	1625	730	290	1500	1005	720	-
306	1625	730	290	1800	1005	720	-
308	1685	500	500	1200	215	1820	810
310	1685	500	500	1500	215	1820	810
312	1685	500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

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

**DISCLAIMER:** The images and dimensions are to be used as a guide only. Although care has been taken to ensure the accuracy of the information DIX cannot be held responsible for any issues resulting from the use of the images and dimensions.



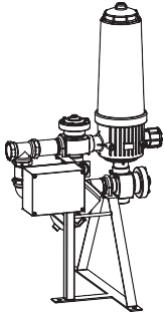
Azud Helix



Azud Helix 'Plus'

## Azud Solo Helix Automatic Disc Filters

Large filtration surface area. Suitable for flow rates of 9m<sup>3</sup>/hr to 24m<sup>3</sup>/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 100 micron 150 Mesh	Code 130 micron 120 Mesh	Code 200 micron 75 Mesh
	Orange	Red	Green
240 Volt AC	FL/AS2015150	FL/AS2015120	FL/AS2015075
No Controller	FL/AS2016150	FL/AS2016120	FL/AS2016075

201 24m<sup>3</sup>/hr – 1 x 2" Filter 2" S/S Manifold 2" BSP Female Threads

*\*Other controllers available on request.*

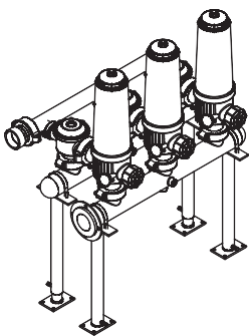
## Air Assisted Backflush Upgrades

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<sup>3</sup>/hr to 160m<sup>3</sup>/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
<b>302</b> 64m <sup>3</sup> /hr – 2 x 3" Filter 4" Poly Manifold Table E			
240 Volt AC	FL/AP3025150	FL/AP3025120	FL/AP3025075
<b>303</b> 96m <sup>3</sup> /hr – 3 x 3" Filter 6" Poly Manifold Table E			
240 Volt AC	FL/AP3035150	FL/AP3035120	FL/AP3035075
<b>304</b> 128m <sup>3</sup> /hr – 4 x 3" Filter 6" Poly Manifold Table E			
240 Volt AC	FL/AP3045150	FL/AP3045120	FL/AP3045075
<b>306</b> 160m <sup>3</sup> /hr – 6 x 3" Filter 6" Poly Manifold Table E			
240 Volt AC	FL/AP3045150	FL/AP3045120	FL/AP3045075

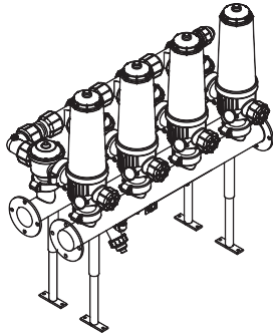
## Azud Stainless Steel Helix Automatic Disc Filters with Stainless Steel Manifolds

All systems feature 304 long-life stainless steel manifolds and support frames (316 stainless steel optional).

System options for flow rates of 18m<sup>3</sup>/hr to 180m<sup>3</sup>/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.



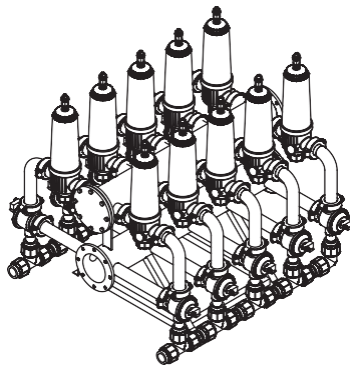
Controller	Code	Code	Code
	100 micron 150 Mesh	130 micron 120 Mesh	200 micron 75 Mesh
	Orange	Red	Green
<b>302</b>	<b>64m<sup>3</sup>/hr – 2 x 3" Filter</b>	<b>4" Stainless Steel Manifold</b>	<b>Table D</b>
240 Volt AC	FL/AA3025150	FL/AA3025120	FL/AA3025075
12 Volt DC	FL/AA3027150	FL/AA3027120	FL/AA3027075
No Controller	FL/AA3026150	FL/AA3026120	FL/AA3026075
<b>303</b>	<b>96m<sup>3</sup>/hr – 3 x 3" Filter</b>	<b>4" Stainless Steel Manifold</b>	<b>Table D</b>
240 Volt AC	FL/AA3035150	FL/AA3035120	FL/AA3035075
12 Volt DC	FL/AA3037150	FL/AA3037120	FL/AA3037075
No Controller	FL/AA3036150	FL/AA3036120	FL/AA3036075
<b>304</b>	<b>128m<sup>3</sup>/hr – 4 x 3" Filter</b>	<b>6" Stainless Steel Manifold</b>	<b>Table D</b>
240 Volt AC	FL/AA3045150	FL/AA3045120	FL/AA3045075
12 Volt DC	FL/AA3047150	FL/AA3047120	FL/AA3047075
No Controller	FL/AA3046150	FL/AA3046120	FL/AA3046075
<b>305</b>	<b>160m<sup>3</sup>/hr – 5 x 3" Filter</b>	<b>6" Stainless Steel Manifold</b>	<b>Table D</b>
240 Volt AC	FL/AA3055150	FL/AA3055120	FL/AA3055075
12 Volt DC	FL/AA3057150	FL/AA3057120	FL/AA3057075
No Controller	FL/AA3056150	FL/AA3056120	FL/AA3056075
<b>306</b>	<b>180m<sup>3</sup>/hr – 6 x 3" Filter</b>	<b>6" Stainless Steel Manifold</b>	<b>Table D</b>
240 Volt AC	FL/AA3065150	FL/AA3065120	FL/AA3065075
12 Volt DC	FL/AA3067150	FL/AA3067120	FL/AA3067075
No Controller	FL/AA3066150	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).


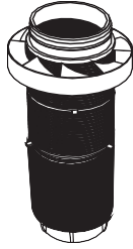
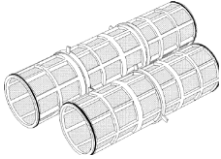


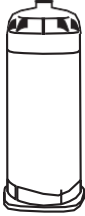


Standard system options for flow rates of 18m<sup>3</sup>/hr to 360m<sup>3</sup>/hr, with larger systems available on request.

Inlet and outlet manifolds are aligned vertically and allow for pipe work connection from either end.



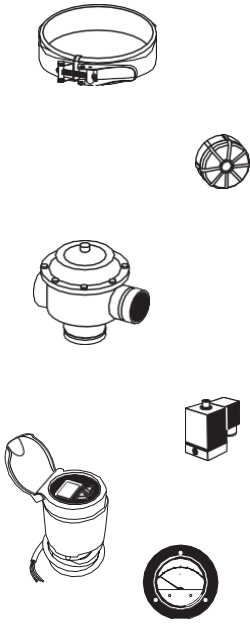
Controller	Code	Code	Code
	100 micron 150 Mesh	130 micron 120 Mesh	200 micron 75 Mesh
	Orange	Red	Green
<b>308</b>	<b>240m<sup>3</sup>/hr – 8 x 3" Filter</b>	<b>8" Stainless Steel Manifold</b>	<b>Table D</b>
240 Volt AC	FL/AA3085150	FL/AA3085120	FL/AA3085075
12 Volt DC	FL/AA3087150	FL/AA3087120	FL/AA3087075
No Controller	FL/AA3086150	FL/AA3086120	FL/AA3086075
<b>310</b>	<b>300m<sup>3</sup>/hr – 10 x 3" Filter</b>	<b>8" Stainless Steel Manifold</b>	<b>Table D</b>
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
<b>312</b>	<b>360m<sup>3</sup>/hr – 12 x 3" Filter</b>	<b>10" Stainless Steel Manifold</b>	<b>Table D</b>
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



Description		Code
<b>Modular 300 Disc Cartridge</b>		
	2" 20 Micron	FL/AZ17C2R0A1
	2" 50 Micron	FL/AZ17C2R0A2
	2" 100 Micron 150 Mesh	FL/AZ17C2R0A8
	2" 130 Micron 120 Mesh	FL/AZ17C2R0A6
	2" 200 Micron 75 Mesh	FL/AZ17C2R0A0
	3" 20 Micron	FL/AZ17C3R0A1
	3" 50 Micron	FL/AZ17C3R0A2
	3" 100 Micron 150 Mesh	FL/AZ17C3R0A8
	3" 130 Micron 120 Mesh	FL/AZ17C3R0A6
	3" 200 Micron 75 Mesh	FL/AZ17C3R0A0
<b>Helix Disc Cartridge</b>		
	2" 20 Micron	FL/AZ17C2R0H1
	2" 50 Micron	FL/AZ17C2R0H2
	2" 100 Micron 150 Mesh	FL/AZ17C2R0H8
	2" 130 Micron 120 Mesh	FL/AZ17C2R0H6
	2" 200 Micron 75 Mesh	FL/AZ17C2R0H0
	3" 20 Micron	FL/AZ17C3R0H1
	3" 50 Micron	FL/AZ17C3R0H2
	3" 100 Micron 150 Mesh	FL/AZ17C3R0H8
	3" 130 Micron 120 Mesh	FL/AZ17C3R0H6
	3" 200 Micron 75 Mesh	FL/AZ17C3R0H0
<b>Modular 300 Screen</b>		
 	2" 100 Micron 150 Mesh	FL/AZ17C200M8
	2" 130 Micron 120 Mesh	FL/AZ17C200M6
	2" 200 Micron 75 Mesh	FL/AZ17C200M0
	3" 100 Micron 150 Mesh	FL/AZ17C300M8
	3" 130 Micron 120 Mesh	FL/AZ17C300M6
	3" 200 Micron 75 Mesh	FL/AZ17C300M0
<b>Helix Automatic Disc Cartridge – ALL</b>		
	100 Micron 120 Mesh	FL/Z18C3R0X6
	130 Micron 75Mesh	FL/Z18C3R0X0
	200 Micron 150 Mesh	FL/Z18C3R0X8
	DLP - Low pressure cartridge	FL/ZXXXXXXX
<b>O-Rings</b>		
 	Cartridge O-Ring (suits disc and screen, all sizes)	FL/AZ17RJ0000
	Filter Body O-Ring	FL/AZ17RXP012
	Automatic filter maintenance kit	FL/AZ18R60020
<b>Filter Cover</b>		
	2" Black	FL/AZ17RXP009
	3" Black	FL/AZ17RXP010
	3" Clear	FL/AZ17RXP016
<b>Filter Body (including cap &amp; o-ring)</b>		
	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

NOTE

- 2" Cartridges & cap suit variants 2N - 3C - 4N
- 3" Cartridges & cap suit variants 2S - 3N - 4S- 6N



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

## Filter Backflushing Controllers



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

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

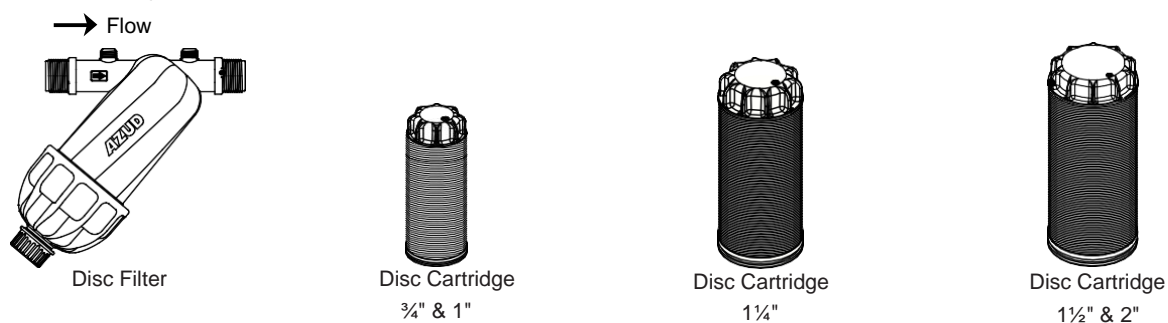


### Product Specifications & Dimensions:

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

Filter Size				Disc Replacement Guide				
Inlet / Outlet		Disc Micron	Flow Rate (Lpm)	Maximum Pressure (kPa)	Surface Area (mm <sup>2</sup> )	Cartridge Type	Dimensions	
BSP Thread							Diameter (mm)	Length (mm)
3/4"	130	■	83	800	180	3/4" & 1"	48	156
1"	130	■	100	800	180	3/4" & 1"	48	156
1 1/4"	130	■	166	800	300	1 1/4" & 1 1/2"	68	180
1 1/2"	130	■	233	800	300	1 1/4" & 1 1/2"	68	180
1 1/2"S	130	■	333	800	525	1 1/2" & 2"	90	225
2"	130	■	416	800	525	1 1/2" & 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.



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

### Product Specifications & Dimensions:

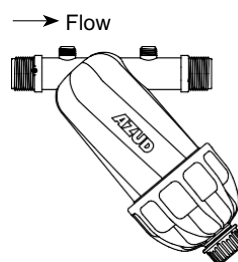
Filter Size Inlet/Outlet BSP Thread	Screen Mesh Sizes				Flow Rate (Lpm)	Maximum Pressure (kPa)	Surface Area (mm <sup>2</sup> )	Screen Replacement Guide		
	Stainless Steel							Cartridge Type	Dimensions	
									Diameter (mm)	Length (mm)
3/4"		75 <span style="color: green;">■</span>	120 <span style="color: red;">■</span>	150 <span style="color: orange;">■</span>	83	800	160	3/4" & 1"	48	151
1"		75 <span style="color: green;">■</span>	120 <span style="color: red;">■</span>	150 <span style="color: orange;">■</span>	100	800	160	3/4" & 1"	48	151
1 1/4"	35 <span style="color: blue;">■</span>	75 <span style="color: green;">■</span>	120 <span style="color: red;">■</span>	150 <span style="color: orange;">■</span>	166	800	265	1 1/2" & 1 1/4"	68	173
1 1/2"	35 <span style="color: blue;">■</span>	75 <span style="color: green;">■</span>	120 <span style="color: red;">■</span>	150 <span style="color: orange;">■</span>	233	800	265	1 1/2" & 1 1/4"	68	173
1 1/2S"	35 <span style="color: blue;">■</span>	75 <span style="color: green;">■</span>	120 <span style="color: red;">■</span>	150 <span style="color: orange;">■</span>	333	800	485	1 1/2S" & 2"	90	220
2"	35 <span style="color: blue;">■</span>	75 <span style="color: green;">■</span>	120 <span style="color: red;">■</span>	150 <span style="color: orange;">■</span>	416	800	485	1 1/2S" & 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	<span style="color: blue;">■</span>	<span style="color: green;">■</span>	<span style="color: red;">■</span>	<span style="color: orange;">■</span>

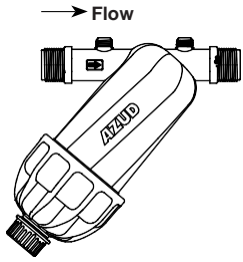
Mesh: Number of holes per sq inch

Micron: Diameter of the hole measured in microns  
(1000microns = 1mm)



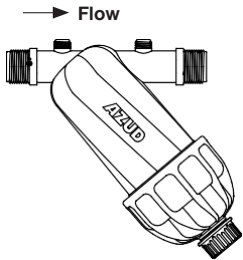
Screen Cartridge

### Threaded Disc Filter



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

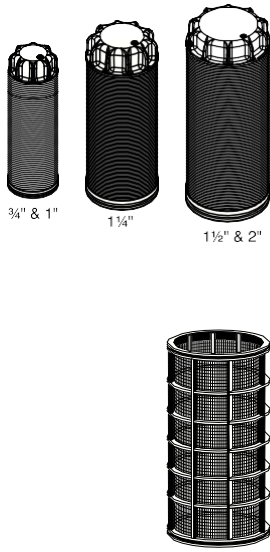
### Threaded Screen Filter



Description				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
1 1/4"	35 Mesh	S.S	■	FL/AZ17L1C240	1	25
1 1/4"	75 Mesh	S.S	■	FL/AZ17L1C230	1	25
1 1/4"	120 Mesh	S.S	■	FL/AZ17L1C220	1	25
1 1/4"	150 Mesh	S.S	■	FL/AZ17L1C210	1	25
1 1/2"	35 Mesh	S.S	■	FL/AZ17L1D240	1	13
1 1/2"	75 Mesh	S.S	■	FL/AZ17L1D230	1	13
1 1/2"	120 Mesh	S.S	■	FL/AZ17L1D220	1	13
1 1/2"	150 Mesh	S.S	■	FL/AZ17L1D210	1	13
1 1/2"S	35 Mesh	S.S	■	FL/AZ17L1E240	1	13
1 1/2"S	75 Mesh	S.S	■	FL/AZ17L1E230	1	13
1 1/2"S	120 Mesh	S.S	■	FL/AZ17L1E220	1	13
1 1/2"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



Description		Code	Ord Qty	Ctn Qty
<b>Disc Cartridges</b>				
3/4" & 1"	130 Micron	FL/AZ17RLG100	1	–
1 1/4"	130 Micron	FL/TDC125130	1	–
1 1/2" & 2"	130 Micron	FL/AZ17RLG102	1	–
<b>Screen Cartridges</b>				
3/4" & 1"	75 Mesh	S.S. FL/AZ17RLG002	1	–
3/4" & 1"	120 Mesh	S.S. FL/AZ17RLG001	1	–
3/4" & 1"	150 Mesh	S.S. FL/AZ17RLG003	1	–
1 1/4" & 11/2"	35 Mesh	S.S. FL/AZ17RLG019	1	–
1 1/4" & 11/2"	75 Mesh	S.S. FL/AZ17RLG005	1	–
1 1/4" & 11/2"	120 Mesh	S.S. FL/AZ17RLG004	1	–
1 1/4" & 11/2"	150 Mesh	S.S. FL/AZ17RLG006	1	–
1 1/2" S & 2"	35 Mesh	S.S. FL/AZ17RLG020	1	–
1 1/2" S & 2"	100 Mesh	S.S. FL/AZ17RLG008	1	–
1 1/2" S & 2"	130 Mesh	S.S. FL/AZ17RLG007	1	–
1 1/2" S & 2"	200 Mesh	S.S. FL/AZ17RLG009	1	–

Note this 2" screen fits the 1 1/2" super filter (1 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 1/2"	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.

Dix foot valves are installed on the inlet of pump suction pipe-work to ensure that the pump remains primed and ready to start in applications where the pump is located above the reservoir level. If your water is corrosive use a stainless steel foot valve to prevent costly repairs or replacement.



### Features and Benefits:

- Simple and robust construction  
Reliable trouble-free operation.
- Durable and corrosion resistant  
Professional welding (including passivating) ensures long-term corrosion resistance.
- Extra-strength to withstand high back flow pressures and minimise hammer  
Made to withstand high wear and tear.
- Large screen area  
High flow with low head loss.
- Manufactured to ISO9001  
Ensures consistent quality workmanship.
- Drain Lever included allows for easy maintenance



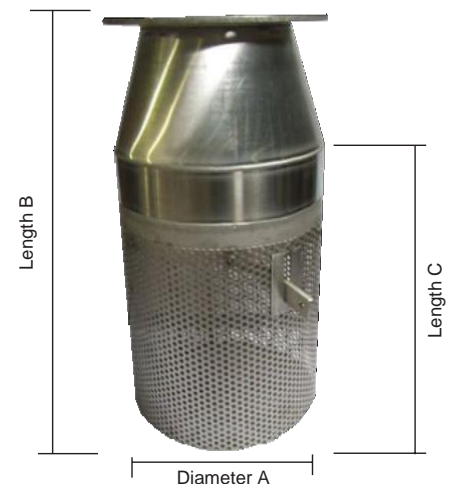
### Product Specifications:

Dix stainless steel foot valves are manufactured from 304-grade stainless steel (316 optional) and are available in an extensive range of configurations, sizes and screen grades including:

- Mesh Sizes – 4.76mm, 9.53mm
- Machined Table D Flanges (Table E also available)
- Combination metal and rubber seal surfaces
- Sizes up to 600mm available

### Dimensions:

Flange (mm)	Diameter 'A' (mm)	Length 'B' (mm)	Length 'C' (mm)
100	215	665	450
150	280	700	450
200	335	740	450
250	410	820	450
300	462	840	450



Dix foot valves are installed on the inlet of pump suction pipe-work to ensure that the pump remains primed and ready to start in applications where the pump is located above the reservoir level. If your water is corrosive use a stainless steel foot valve to prevent costly repairs or replacement.



### Features and Benefits:

- Simple construction  
Reliable trouble-free operation.
- Fully serviceable  
Easily kept in or returned to original specifications.
- Extra heavy-valve and seat  
Eliminates hammer and can be used as a check valve (vertical).
- Combination rubber and metal seat  
Long-life and high pressure rating.

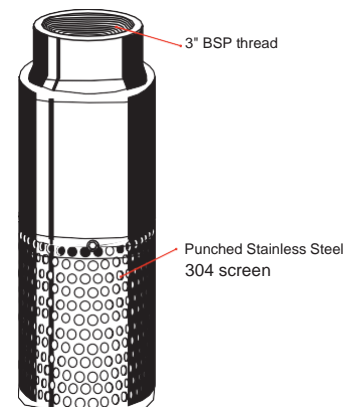


### Product Specifications:

- Can be manufactured in sizes from 2" BSP to 6" BSP (3" BSP sizes are ex-stock)
- Screen Size – 3.25mm
- 304 grade stainless steel (316 optional)

### Dimensions:

Model	Length (mm)	Diameter (mm)
2" BSP Female	275	100
3" BSP Female	375	135
4" BSP Female	445	160
6" BSP Female	610	220



In many rural applications common strainers prove unsuitable, leading to costly maintenance and lost product. Dix manufacture stainless steel strainers to meet these requirements.



### Features and Benefits:

- Fully welded 304-grade stainless steel  
Excellent corrosion resistance.
- Extra large screen  
High Flow.
- Metal support screen provides strength  
Will not collapse.

### Typical Applications:

- Rivers
- Creeks
- Dams
- Tanks



### Product Specifications:

- Punched support screen with or without woven mesh overlay
- 2" BSP Thread
- Contact us for your specific requirements

### Dimensions:

- Nominal dimensions – 330mm Long x 60mm Diameter with 270mm screen length

### Stainless Steel Foot Valves





## FLAP STYLE



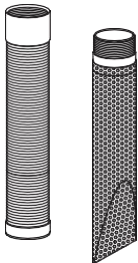
Description	Code
<b>4.76mm Screen</b>	
100mm Flange	PG/VFSS4D100
150mm Flange	PG/VFSS4D150
200mm Flange	PG/VFSS4D200
250mm Flange	PG/VFSS4D250
300mm Flange	PG/VFSS4D300
<b>9.53mm Screen</b>	
100mm Flange	PG/VFSS9D100
150mm Flange	PG/VFSS9D150
200mm Flange	PG/VFSS9D200
250mm Flange	PG/VFSS9D250
300mm Flange	PG/VFSS9D300

## Poppet Style



Description	Code
<b>3.25mm Screen</b>	
3" Female BSP	PG/VFSS3T080

## Suction Strainer



Description	Code
<b>50 Mesh Screen</b>	
2" BSP Female	PG/SS050M050
<b>3.25 Punched</b>	
2" BSP Male	PG/SS325P050



Dix stainless steel fittings use only the highest quality materials to provide you with confidence and reliability. We can manufacture fittings to your specific requirements.



### Features and Benefits:

- Manufactured in Australia  
Made to local requirements and can be readily made to match your specific requirements.
- One piece construction  
Easy to install.
- High quality cross ribbed rubber seal  
Provides a reliable long lasting repair.
- Fasteners are coated and fitted with plastic end caps  
Prevents galling and bruises to end of threads.

### Typical Applications:

Repair clamps are typically used for repair of pipes with cracks or pinholes and can be used as a joining device when the pipe is well restrained and aligned. Tapping bands provide a quick and easy method to install a branch to a pipe.

- Water utilities
- Irrigations systems
- Mining
- Cooling Water Systems

### Product Specifications:

- Stainless steel 316 – fully passivated to protect against corrosion.
- Maximum pressure rating 1600 kPa.
- Maximum temperature 60°C.
- Standard width 200mm. 400mm and 600mm also available.
- Rubber seals manufactured to AS1646 "Elastomeric seals for waterworks purposes"

### Product Range:

- **Repair Clamps**  
Available to suit pipes from 80mm to 450mm (ex-stock). Can be manufactured to your specific requirements up to 1200mm diameter.
- **Stepped Clamps**  
To repair leaking PVC glued joints. Available to suit pipes from 100mm to 300mm.
- **Tapping Bands**  
BSP branch or flanged branch outlet.  
Flange Options – Table D and E to AS2129 ANSI, DIN etc

## Standard Repair Clamps

Stainless steel repair clamps can be used to repair cracks or holes in pipelines. They can also be used to join pipes where a good fit up is assured. They are suitable for both water supply and irrigation.

WE CAN PRODUCE VARIATIONS THAT ARE EITHER LONGER, LARGER IN DIAMETER, HAVE FLANGED OUTLETS OR THREADED TAPPINGS.

Diameter Range	Suits Pipe Size				Code
	PVC Pipe (Series 1)	AC Pipe	Concrete	Hobas	
80 – 95	80				PG/R2N080095
95 – 110		80			PG/R2N095110
110 – 125	100				PG/R2N110125
120 – 135		100			PG/R2N120135
135 – 150	125				PG/R2N135150
155 – 170	150&155		100		PG/R2N155170
170 – 185		150			PG/R2N170185
190 – 205	175		150 Class 1		PG/R2N190205
200 – 215		175	150 Class 2		PG/R2N200215
215 – 230	195&200				PG/R2N215230
230 – 245		200			PG/R2N230245
245 – 260	225				PG/R2N245260
260 – 275		225	200 Class 1		PG/R2N260275
275 – 290	250		225 Class 1		PG/R2N275290
285 – 300		250	225 Class 2		PG/R2N285300
305 – 320	300		225 Class 3&4		PG/R2N305320
325 – 340		300 Class AB			PG/R2N325340
340 – 355		300 Class AD		300	PG/R2N340355
395 – 410	375		300 Class 3		PG/R2N395410
410 – 425		375 Class AB			PG/R2N410425
425 – 440		375 Class CD		375	PG/R2N425440
490 – 520	450	450	375 Class 3	450	PG/R2N490520

## Stepped Repair Clamps for PVC Pipe (Series 1)

Stepped repair clamps are used to repair leaks in glued joints at sockets, tees, elbows. Contact your sales representative to discuss your special requirements.

Size	Code		
	Class 4.5	Class 6	Class 9
100	PG/R2SP04100	PG/R2SP06100	
125	PG/R2SP04125	PG/R2SP06125	
150	PG/R2SP04150	PG/R2SP06150	PG/R2SP09150
155	PG/R2SP04155	PG/R2SP06155	PG/R2SP09155
175	PG/R2SP04175	PG/R2SP06175	PG/R2SP09175
195	PG/R2SP04195	PG/R2SP06195	PG/R2SP09195
200	PG/R2SP04200	PG/R2SP06200	PG/R2SP09200
225	PG/R2SP04225	PG/R2SP06225	PG/R2SP09225
250	PG/R2SP04250	PG/R2SP06250	PG/R2SP09250
300	PG/R2SP04300	PG/R2SP06300	PG/R2SP09300

Cast fittings are made in the Dix foundry from T200 grade cast iron. Castings are bitumen dipped for long life. Mild steel bolts and straps optionally available in 316 stainless steel. Rubber rings comply to AS1646 – Elastomeric seals for waterworks purposes.



### Features & Benefits:

- Bitumen coated  
Corrosion resistant and improves thread sealing.
- Solid cast-iron construction  
Strong robust threads will not crack or split when tightening.
- U-bolt or strap holds saddle to pipe  
Very tolerant to variations in pipe diameter and shape.
- Saddle and seal are curved to match the pipe diameter  
Distributes the load evenly and supports the pipe.
- Soft, flexible elastometric seal material  
Adapts to irregularities in the pipe surface.
- T200 resistance to electrolysis and corrosion  
Long-life and dependable.
- O-ring common to most size  
Reduced spare parts.

### Typical Applications:

- Mining
- Water utilities
- Irrigation systems
- Cooling water systems
- Industrial water supply



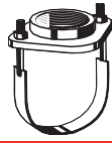
### Product Specifications:

- Fittings to suit PE, PVC, CI and AC pipe
- Quality cast iron made here in Australia
- Bitumen coated – can be powder or epoxy coated on request to suit specific requirements.
- Tapping Saddles – 316 stainless steel straps available
- Rubber seals manufactured to AS1646 "Elastomeric seals for waterworks purposes"
- Rated to match original pipe specifications
- Made to order fabrication of fittings available

### Product Range:

- Tapping Saddles
- Weld On Spigots
- Gibaults
- Flanges
- Air Release Valves

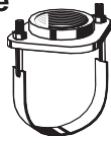
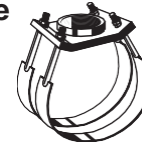
## Tapping Saddles for PE Pipe

**Single**

**Double**


Code	Pipe Size x Female BSP Thread	Code
<b>Stainless Steel</b>		<b>Stainless Steel</b>
PG/SPSL03F1X	90 x 25	
PG/SPSL03F0X	90 x 40	
PG/SPSL04F1X	110 x 25	
PG/SPSL04F2X	110 x 50	
PG/SASL04F1X	125 x 25	
PG/SASL04F2X	125 x 50	
PG/SESL05F1X	140 x 25	
PG/SESL05F2X	140 x 50	
PG/SPSL06F1X	160 x 25	
PG/SPSL06F2X	160 x 50	PG/SPSM06F2X
	160 x 80	PG/SPSM06F3X
	160 x 100	PG/SPSM06F4X
PG/SESL08F1X	200 x 25	
PG/SESL08F2X	200 x 50	PG/SESM08F2X
	200 x 80	PG/SESM08F3X
	200 x 100 <sup>Male</sup>	PG/SESM08M4X
PG/SPSL08F1X	225 x 25	
PG/SPSL08F2X	225 x 50	PG/SPSM08F2X
	225 x 80	PG/SPSM08F3X
	225 x 100	PG/SPSM08F4X
PG/SPSL09F1X	250 x 25	
PG/SPSL09F2X	250 x 50	PG/SPSM09F2X
	250 x 80	PG/SPSM09F3X
	250 x 100	PG/SPSM09F4X
PG/SPSL10F1X	280 x 25	
PG/SPSL10F2X	280 x 50	PG/SPSM10F2X
	280 x 80	PG/SPSM10F3X
	280 x 100	PG/SPSM10F4X
	315 x 25	PG/SPSM12F1X
	315 x 50	PG/SPSM12F2X
	315 x 80	PG/SPSM12F3X
	315 x 100	PG/SPSM12F4X
	355 x 25	PG/SESM14F1X
	355 x 50	PG/SESM14F2X
	355 x 80	PG/SESM14F3X
	355 x 100	PG/SESM14F4X
	450 x 25	PG/SESM18F1X
	450 x 50	PG/SESM18F2X
	450 x 80	PG/SESM18F3X
	450 x 100	PG/SESM18F4X

**\*OTHER SIZES eg. 630 CAN BE MADE ON REQUEST**  
Including tapping saddles to suit pipe sizes 180, 400, 500, 560 and 630.

## Tapping Saddles for PVC Pipe (Series 1)

**Single**

**Double**


Code	Pipe Size x Female BSP Thread	Code
<b>Stainless Steel</b>		<b>Stainless Steel</b>
PG/SPSL03F1X	80 x 25	
PG/SPSL03F0X	80 x 40	
PG/SPSL04F1X	100 x 25	
PG/SPSL04F2X	100 x 50	
PG/SPSL06F1X	150 x 25	
PG/SPSL06F2X	150 x 50	PG/SPSM06F2X
	150 x 80	PG/SPSM06F3X
	150 x 100	PG/SPSM06F4X
PG/SPSL08F1X	195/200 x 25	
PG/SPSL08F2X	195/200 x 50	PG/SPSM08F2X
	195/200 x 80	PG/SPSM08F3X
	195/200 x 100	PG/SPSM08F4X
PG/SPSL09F1X	225 x 25	
PG/SPSL09F2X	225 x 50	PG/SPSM09F2X
	225 x 80	PG/SPSM09F3X
	225 x 100	PG/SPSM09F4X
PG/SPSL10F1X	250 x 25	
PG/SPSL10F2X	250 x 50	PG/SPSM10F2X
	250 x 80	PG/SPSM10F3X
	250 x 100	PG/SPSM10F4X
	300 x 25	PG/SPSM12F1X
	300 x 50	PG/SPSM12F2X
	300 x 80	PG/SPSM12F3X
	300 x 100	PG/SPSM12F4X
	375 x 25	PG/SPSM15F1X
	375 x 50	PG/SPSM15F2X
	375 x 80	PG/SPSM15F3X
	375 x 100	PG/SPSM15F4X
	450 x 25	PG/SPSM18F1X
	450 x 50	PG/SPSM18F2X
	450 x 80	PG/SPSM18F3X
	450 x 100	PG/SPSM18F4X
	575 x 25	PG/SPSM23F1X
	575 x 50	PG/SPSM23F2X
	575 x 80	PG/SPSM23F3X
	575 x 100	PG/SPSM23F4X



## Tapping Saddles for AC Pipe

**Single**

**Double**


Code	Pipe Size x Female BSP Thread	Code
<b>Stainless Steel</b>		<b>Stainless Steel</b>
PG/SASL04F2X	100 x 50	
PG/SASL06F1X	150 x 25	
PG/SASL06F2X	150 x 50	PG/SASM06F2X
	150 x 80	PG/SASM06F3X
	150 x 100 <sup>Male</sup>	PG/SASM06M4X
PG/SASL08F1X	200 x 25	
PG/SASL08F2X	200 x 50	PG/SASM08F2X
	200 x 80	PG/SASM08F3X
	200 x 100	PG/SASM08F4X
PG/SASL09F1X	225 x 25	
PG/SASL09F2X	225 x 50	PG/SASM09F2X
	225 x 80	PG/SASM09F3X
	225 x 100	PG/SASM09F4X
PG/SASL10F1X	250 x 25	
PG/SASL10F2X	250 x 50	PG/SASM10F2X
	250 x 80	PG/SASM10F3X
	250 x 100	PG/SASM10F4X
	300 x 25	PG/SASM12F1X
	300 x 50	PG/SASM12F2X
	300 x 80	PG/SASM12F3X
	300 x 100	PG/SASM12F4X
	375 x 25	PG/SASM15F1X
	375 x 50	PG/SASM15F2X
	375 x 80	PG/SASM15F3X
	375 x 100	PG/SASM15F4X
	450 x 25	PG/SASM18F1X
	450 x 50	PG/SASM18F2X
	450 x 80	PG/SASM18F3X
	450 x 100	PG/SASM18F4X
	525 x 25	PG/SASM21F1X
	525 x 50	PG/SASM21F2X
	525 x 80	PG/SASM21F3X
	525 x 100	PG/SASM21F4X
	600 x 25	PG/SASM24F1X
	600 x 50	PG/SASM24F2X
	600 x 80	PG/SASM24F3X
	600 x 100	PG/SASM24F4X

## Saddle Castings – AC Pipe



Description	Code
<b>Light Female Saddle</b>	
50 x 25	PG/ZSAL02F01
80 x 25	PG/ZSAL03F01
80 x 50	PG/ZSAL03F02
100 x 25	PG/ZSAL04F01
100 x 50	PG/ZSAL04F02
150 x 25	PG/ZSAL06F01
150 x 50	PG/ZSAL06F02
200/225/250 x 25	PG/ZSAL08F01
200/225/250 x 50	PG/ZSAL08F02
<b>Medium Female Saddle</b>	
150 x 50	PG/ZSAM06F02
150 x 80	PG/ZSAM06F03
150 x 100	PG/ZSAM06M04
200 x 50	PG/ZSAM08F02
200 x 80	PG/ZSAM08F03
200 x 100	PG/ZSAM08F04
225/250 x 50	PG/ZSAM09F02
225/250 x 80	PG/ZSAM09F03
225/250 x 100	PG/ZSAM09F04
300 x 25	PG/ZSAM12F01
300 x 50	PG/ZSAM12F02
300 x 80	PG/ZSAM12F03
300 x 100	PG/ZSAM12F04
375/450 x 25	PG/ZSAM15F01
375/450 x 50	PG/ZSAM15F02
375/450 x 80	PG/ZSAM15F03
375/450 x 100	PG/ZSAM15F04
525/600 x 25	PG/ZSAM21F01
525/600 x 50	PG/ZSAM21F02
525/600 x 80	PG/ZSAM21F03
525/600 x 100	PG/ZSAM21F04

## Saddle Castings – PVC Pipe



Description	Code
<b>Light Female Saddle</b>	
80 x 40	PG/ZSPL03F00
80 x 25	PG/ZSPL03F01
100 x 25	PG/ZSPL04F01
100 x 50	PG/ZSPL04F02
150 x 25	PG/ZSPL06F01
150 x 50	PG/ZSPL06F02
<b>Medium Female Saddle</b>	
150 x 50	PG/ZSPM06F02
150 x 80	PG/ZSPM06F03
150 x 100	PG/ZSPM06F04

**Rubber Rings**



Description	Code
<b>Saddle Rubber Rings</b>	
50 OD	PG/ZA050000
125 OD	PG/ZA120000
150	PG/ZAF150000
<b>Gibault Rings</b>	
50	PG/ZAF050000
80	PG/ZAF080000
100	PG/ZAF100000
150	PG/ZAF150000
200	PG/ZAF200000
225	PG/ZAF225000
250	PG/ZAF250000
300	PG/ZAF300000
375	PG/ZAF375000

**Stainless Steel Clamps**



Size	Code	Code
	AC Pipe	PVC Pipe
50		
80		PG/ZCPS08000
100	PG/ZCAS10000	PG/ZCPS10000
150	PG/ZCAS15000	PG/ZCPS15000
200	PG/ZCAS20000	PG/ZCPS20000
225	PG/ZCAS22500	PG/ZCPS22500
250	PG/ZCAS25000	PG/ZCPS25000
300	PG/ZCAS30000	PG/ZCPS30000
375	PG/ZCAS37500	PG/ZCPS37500
450	PG/ZCAS45000	PG/ZCPS45000
525	PG/ZCAS52500	
600	PG/ZCAS60000	

## Gibault Couplings

Gibaults make use of the popular and reliable compressed o-ring seals to make a joint. Couplings and Adaptors are used to join pipes of the same type/size or adapt from one type/size of pipe to another. Special configurations can be designed and manufactured to suit your non-standard applications. Accommodates 7° misalignment.

Materials: Sleeve: Cast Iron, bitumen dipped  
 Flange: Cast Iron, bitumen dipped  
 Bolts: Galvanised steel  
 Ring: Rubber (AS1466)

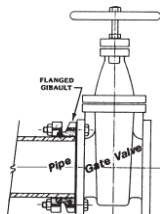
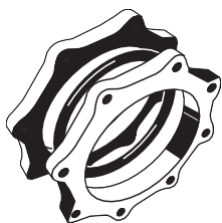


Pipe Size	Code	Code	Pipe Size	Code
	<b>AC Pipe</b>	<b>PVC Pipe (Series 1)</b>		<b>Adaptors</b>
50	PG/GCA02000X	PG/GCP02000X	50AC/50PVC	PG/GAA02P02X
80	PG/GCA03000X	PG/GCP03000X	80AC/80PVC	PG/GAA03P03X
100	PG/GCA04000X	PG/GCP04000X	100AC/100PVC	PG/GAA04P04X
150	PG/GCA06000X	PG/GCP06000X	150AC/150PVC	PG/GAA06P06X
175		PG/GCP07000X	200AC/195PVC	PG/GAA08P07X
195		PG/GCP07500X	200AC/200PVC	PG/GAA08P08X
200	PG/GCA08000X	PG/GCP08000X	225AC/225PVC	PG/GAA09P09X
225	PG/GCA09000X	PG/GCP09000X	250AC/250PVC	PG/GAA10P10X
250	PG/GCA10000X	PG/GCP10000X	300AC/300PVC	PG/GAA12P12X
300	PG/GCA12000X	PG/GCP12000X		
375		PG/GCP15000X	200PVC/195PVC	PG/GAP08P07X

## Flanged Gibaults

Flanged gibaults are the perfect way to fit valves, filters and other flanged fittings into a line. Using a common set of bolts they combine a flange seal to the fitting and an o-ring connection to the pipe. This allows easy removal for repairs and reduces the pipe load on the item.

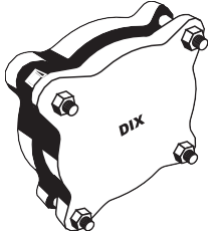
Flange Specification: AS2129 Table D



Pipe Size	Code	Code
	<b>AC Pipe</b>	<b>PVC Pipe (Series 1)</b>
100	PG/GFA04000X	PG/GFP04000X
150	PG/GFA06000X	PG/GFP06000X
195		PG/GFP07000X
200	PG/GFA08000X	PG/GFP08000X
250		PG/GFP10000X
300		PG/GFP12000X

## Blank Ends

Blank Ends are used to seal off the end of a pipe.

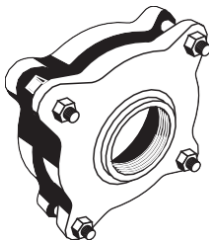


Pipe Size	Code	Code
	<b>AC Pipe</b>	<b>PVC Pipe (Series 1)</b>
50	PG/GBA02000X	
80	PG/GBA03000X	
100	PG/GBA04000X	PG/GBP04000X
150	PG/GBA06000X	PG/GBP06000X
175		PG/GBP07000X
195		PG/GBP07500X
200	PG/GBA08000X	PG/GBP08000X
225	PG/GBA09000X	PG/GBP09000X
250	PG/GBA10000X	PG/GBP10000X
300		PG/GBP12000X
375		PG/GBP15000X

## Tapped Ends

Tapped ends are used to reduce the size for a threaded connection to a line off the end of the pipe.

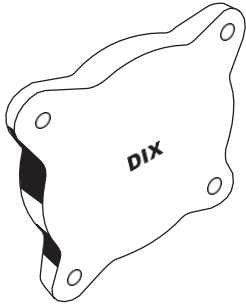
All threads are Female BSP.



Pipe Size	Code	Code
	<b>AC Pipe</b>	<b>PVC Pipe (Series 1)</b>
50 x 50	PG/GTA02002X	
80 x 80	PG/GTA03003X	
100 x 100	PG/GTA04004X	PG/GTP04004X
150 x 100	PG/GTA06004X	PG/GTP06004X
175 x 100		PG/GTP07004X
195 x 100		PG/GTP07504X
200 x 100	PG/GTA08004X	PG/GTP08004X
225 x 100	PG/GTA09004X	PG/GTP09004X
250 x 100	PG/GTA10004X	PG/GTP10004X

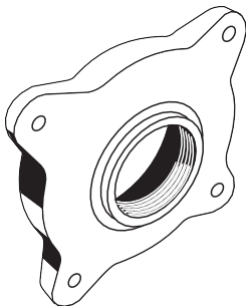


## Blank End Castings



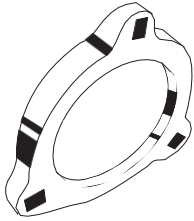
Pipe Size	Code	Code
	<b>AC Pipe</b>	<b>PVC Pipe (Series 1)</b>
50mm	PG/ZEBA02000	PG/ZEBP04000
80mm	PG/ZEBA03000	PG/ZEBP06000
100mm	PG/ZEBA04000	PG/ZEBP07000
150mm	PG/ZEBA06000	PG/ZEBP07800
200mm	PG/ZEBA08000	PG/ZEBP08000
225mm	PG/ZEBA09000	PG/ZEBP09000
250mm	PG/ZEBA10000	PG/ZEBP10000
300mm		PG/ZEBP12000
375mm		PG/ZEBP15000

## Tapped End Castings



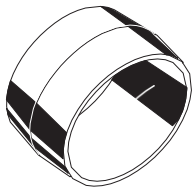
Pipe Size	Code	Code
	<b>AC Pipe</b>	<b>PVC Pipe (Series 1)</b>
50mm x 2"	PG/ZETA02020	
80mm x 3"	PG/ZETA03030	
100mm x 4"	PG/ZETA04040	PG/ZETP04040
150mm x 4"	PG/ZETA06040	PG/ZETP06040
175mm x 4"		PG/ZETP07040
195mm x 4"		PG/ZETP07804
200mm x 4"	PG/ZETA08040	PG/ZETP08040
225mm x 4"	PG/ZETA09040	PG/ZETP09040
250mm x 4"	PG/ZETA10040	PG/ZETP10040

## Flanges



Size	Code	Code
	<b>AC Pipe</b>	<b>PVC Pipe</b>
50mm	PG/ZGFA02000	PG/ZGFP02000
80mm	PG/ZGFA03000	PG/ZGFP03000
100mm	PG/ZGFA04000	PG/ZGFP04000
150mm	PG/ZGFA06000	PG/ZGFP06000
175mm		PG/ZGFP07000
195mm		PG/SGFP07800
200mm	PG/ZGFA08000	PG/ZGFP08000
200mm AC/195mm PVC	PG/ZGFA08P07	
200mm AC / 200mm PVC	PG/ZGFA08P08	
225mm	PG/ZGFA09000	PG/ZGFP09000
225mm AC / 225mm PVC	PG/ZGFA09P09	
250mm	PG/ZGFA10000	PG/ZGFP10000
300mm	PG/ZGFA12000	PG/SGFP12000
375mm		PG/ZGFP15000

## Sleeves



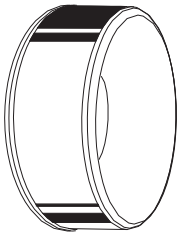
Size	Code	Code
	<b>AC Pipe</b>	<b>PVC Pipe</b>
50mm	PG/ZGSA02000	PG/ZGSP02000
50mm AC / 50mm PVC	PG/ZGSA02P02	
80mm	PG/ZGSA03000	PG/ZGSP03000
80mm AC / 80mm PVC	PG/ZGSA03P03	
100mm	PG/ZGSA04000	PG/ZGSP04000
100mm AC / 100mm PVC	PG/ZGSA04P04	
150mm	PG/ZGSA06000	PG/ZGSP06000
150mm AC / 150mm PVC	PG/ZGSA06P06	
175mm		PG/ZGSP07000
195mm		PG/ZGSP07800
200mm	PG/ZGSA08000	PG/ZGSP08000
200mm PVC / 195mm PVC		PG/ZGSP08P78
200mm AC / 200mm PVC	PG/ZGSA08P08	
225mm AC / 195mm PVC	PG/ZGSA08P78	
225mm	PG/ZGSA09000	PG/ZGSP09000
225mm AC / 225mm PVC	PG/ZGSA09P09	
250mm	PG/ZGSA10000	PG/ZGSP10000
250mm AC / 250mm PVC	PG/ZGSA12000	
300mm	PG/ZGSA12000	PG/ZGSP12000
300mm AC / 300mm PVC	PG/SGSA12P12	
375mm		PG/ZGSP15000

## Weld On Spigots

Weld On Spigots are used to allow a fabricated fitting to be installed with a roll ring joint or a gibault connection. All mild steel spigots are fully machined to provide an accurate surface and guaranteed seal. They are also available in stainless steel.

Materials: Body: Mild Steel (ready for welding)

Length: PVC ..... 150mm  
 AC all 100 to 250, 300 & 375 Class A&B ..... 75mm  
 AC 300 & 375 Class C&D and all 450 ..... 100mm



Pipe Size	Class	Code	Code
		<b>AC Pipe</b>	<b>PVC Pipe (Series 1)</b>
<b>100</b>	All	PG/WA100A075	PG/WP1000150
<b>150</b>	All	PG/WA150A075	PG/WP1500150
<b>175</b>	All		PG/WP1750150
<b>195</b>	All		PG/WP1950150
<b>200</b>	All	PG/WA200A075	PG/WP2000150
<b>225</b>	All	PG/WA225A075	PG/WP2250150
<b>250</b>	All	PG/WA250A075	PG/WP2500150
<b>300</b>	AC Cass A&B	PG/WA300A075	PG/WP3000150
	AC Class C&D, Hobas, DI	PG/WA300C100	
<b>375</b>	AC Cass A&B	PG/WA375A075	PG/WP3750150
	AC Class C&D, Hobas, DI	PG/WA375C100	
<b>450</b>	AC Cass A&B	PG/WA450A100	PG/WP4500150
	AC Class C&D, Hobas, DI	PG/WA450C100	

# Standard Pipe Dimensions

POLYETHYLENE PRESSURE PIPE		
Nominal Size (mm)	Outside Dia. Min	Outside Dia. Max
50	50.0	50.5
63	63.0	63.6
75	75.0	75.7
90	90.0	90.9
110	110.0	111.0
125	125.0	126.2
140	140.0	141.3
160	160.0	161.5
180	180.0	181.7
200	200.0	201.8
225	225.0	227.1
250	250.0	252.3
280	280.0	282.6
315	315.0	317.9
355	355.0	358.2
400	400.0	403.6
450	450.0	454.1
500	500.0	504.5
560	560.0	565.1

ASBESTOS CEMENT PIPE		
Nominal Size (mm)	Outside Dia. Machined Spigot	Outside Dia. Pipe (approx.)
50	70.1	71
80	95.6	97
100	121.9	126
150	177.3	180
175	203	
200	232.2	237
225	259.1	262
250	286.0	290
300AB	333.8	337
300CD	345.4	349
375AB	413.0	417
375CD	426.0	430
450AB	492.2	497
450CD	507.0	512
525AB	571.5	576
525CD	587.2	592
600AB	650.2	657
600CD	667.0	674

CONCRETE PIPE	
Nominal Size (mm)	Outside Dia.
100	160
150	197
150	211
200	268
225 Class1	279
225 Class2	293
225 Class3	305
225 Class4	311
250	320
300 Class1	362
300 Class2	380
300 Class3	400
375 Class1	445
375 Class2	457
375 Class3	495
450 Class1	533
450 Class2	565
450 Class3	597
525 Class1	616
525 Class2	636
600 Class1	698
600 Class2	724
600 Class3	762

PVC (BLUE) PRESSURE PIPE SERIES 2		
Nominal Size (mm)	Outside Dia. Min	Outside Dia. Max
100	121.7	122.1
150	177.1	177.6
200	231.9	232.6
225	258.9	259.6
250	285.8	286.6
300	344.9	345.8
375	425.7	426.7
450	506.5	507.5
525	559.8	560.8
575	630.0	
600	666.5	667.5

PVC PRESSURE PIPE SERIES 1		
Nominal Size (mm)	Outside Dia. Min	Outside Dia. Max
50	60.2	60.5
80	88.7	89.1
100	114.1	114.5
125	140.0	140.4
150	160.0	160.5
155	168.0	
175	200.0	200.5
195	219.0	219.5
200	225.0	225.6
225	250.0	250.7
250	280.0	280.8
300	315.0	315.9
350	355.0	356.0
375	400.0	401.0
400	450.0	451.0
450	500.0	501.0

CASTIRON PRESSURE PIPE	
Nominal Size (mm)	Outside Dia. ± 1.5mm
80	95.5
100	121.9
150	177.3
200	232.2
225	259.1
250	286.0
300	345.4
375	426.2
450	507.0
500	560.3
600	667.0

COPPER TUBE TYPE B	
Nominal Size (mm)	Outside Dia. Max
50	50.8
65	63.5
80	76.2
90	88.9
100	101.6
125	127.0
150	152.4
200	203.2

HOBAS PIPE	
Nominal Size (mm)	Outside Dia.
300	345
375	426
450	507
525	587
600	667

DIX stainless steel tanks are manufactured from high strength 304 -grade stainless steel that ensures exceptional corrosion and wear resistance providing many years of reliable use. Each tank is designed to suit customer requirements.

### Features and Benefits:

- All welds dip passivated  
Durable and corrosion resistant.
- Simple and robust construction  
Reliable trouble free operation.
- Tanks are hygienic in design for food and pharmaceutical manufacturing processes.
- Storage tanks, mixing tanks, jacketed tanks, Insulated tanks and mobile tanks fabricated to customers specifications.
- Each tank manufactured to ISO9001 and AS1201 Ensures consistent quality.
- Australian Made  
Fabrication to suit project specific requirements

### Typical Applications:

- Chemical Processing
- Industrial Applications
- Wineries and breweries, olive oil and dairy industries
- Pharmaceutical industries
- Metal Processing Plants
- Mining
- FMCG ( fast moving consumer goods)

'Hygienic' models for use in specialised food process Applications, bottling lines, juice lines.

### Product Specifications:

DIX stainless steel tanks are manufactured from 304-grade stainless steel (316 optional) and are available in an extensive range of configurations and sizes up to 10,000 litres.

Other configurations available upon request.





Dix has a range of stainless and steel fasteners in stock to suit all your needs and requirements.

## Stock list:

- Bolt products
- Nut products
- Metal products
- Washers
- Miscellaneous



## 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 set out hereunder. For the purposes of this agreement, "Supplier" is G.J. DIX & SONS PTY LTD 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:

- (a) The Supplier need not supply the Customer until the Quote has been accepted by the Customer;
- (b) The Customer shall accept the Quote by instructing (in writing) by way of an official purchase order making 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 Supplier reserves the right to withdraw the Quote for whatever reason. 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.

2.2 Supplier may Revise Quote — The Supplier may amend the Quote after a period 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 as soon as practicable thereafter. Upon the Supplier giving the Customer notification of such amendment the amended quote shall be deemed to be the Quote for the purposes of the Terms and Conditions.

2.3 Variation to Initial Quote — The Customer shall indemnify the Supplier from any additional cost incurred by the Supplier, should the Customer increase the scope of the goods and/or services to be provided by the Supplier.

### 2.4 Indemnity

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

## 3. PRICES

3.1 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 Any increase 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

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 You may not cancel an order, nor delay 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 unforeseen 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 ex our nominated works unless otherwise specified. If you do not specify a method 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 accordance with the Customer's original order schedule. The Customer shall make all arrangements necessary to take delivery of the Goods consistent with the original delivery schedule. Should there be any delay or change to the original order schedule 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 incur storage charges on a daily basis as per clause 5.5 below.

5.5 Delivery of the Goods made to the Customer at the Supplier's address will be on an agreed date and failure by the Customer to uplift completed Goods from the Supplier's address on this agreed date may incur storage charges estimated on a daily basis calculated by the order value x the interest rate as advised in clause 5.3 x the number of days.

5.6 Delivery of Goods to a third 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 manufacture if the Customer at any time fails to make payment in accordance with these terms & conditions and/or exceeds credit facilities as established by the Supplier.

## 6. PAYMENT

6.1 Time for Payment — The Customer must upon receiving the Supplier's invoice, pay the Supplier the total amount set out in the invoice by the end of the month plus thirty (30) days.

6.2 Export Sales — Unless otherwise negotiated, export sales are subjected to the provision by the Customer of an irrevocable letter of credit at a bank acceptable to the Supplier in favour of the Supplier. The issuing bank is to be acting for the Supplier if so advised.

6.3 Interest — The Supplier may charge interest at a rate of two per centum (2%) above the commercial lending rate of the Westpac Banking Corporation calculated on a daily basis on amounts not paid within the time specified in clause 6.1 and 6.5.

6.4 Deposit — The Supplier may require a deposit from the Customer in specific circumstances and if a deposit is requested by the Supplier the Customer acknowledges the Supplier's obligation to undertake any works requested by the Customer, until the deposit is received by the Supplier in full and when all details pertaining to contract are finalised. In the event of default as to payment owing to the Supplier on the part of the Customer, the Supplier shall be entitled to forfeit the deposit and claim any Supplier's profit or margin contemplated by or allowed for in the contract in addition to any remedy available to the Supplier at law or in equity.

6.5 Progress Payments — The Supplier may require progress payments from the Customer in specific circumstances and if so, the Supplier reserves the right to halt any further work until such time as the outstanding payment is forthcoming. In addition penalty interest (as specified in 6.3) may be charged.

6.6 Damages — The Customer must pay to the Supplier any costs, expenses or losses incurred by the Supplier as a result of the Customer's failure to pay to the Supplier all sums outstanding as owed by the Customer to the Supplier including without limiting the generality of the foregoing any debt collection and legal costs incurred in enforcing payment on a Solicitor and own Customer basis.

6.7 Cancellation — The Customer shall reimburse the Supplier for any costs, expenses or losses incurred by the Supplier should the Customer cancel the accepted Work Authorisation. The time for payment for such cancellation shall be seven (7) days from the Supplier's invoice.

7. RISK — The risk in the Goods passes from us to the Customer or its agent or to a third party nominated by the Customer upon despatch from our premises, even if we are required to install, set up or perform any service in connection with the goods.

## 8. RETENTION OF TITLE

8.1 Title — Notwithstanding the delivery of the Goods or their installation, title in any particular Goods shall remain with the Supplier regardless of whether the Goods are on-sold by the Customer until the Customer has paid and discharged any and all monies owing pursuant to any invoice issued by the Supplier for the Goods, including all applicable GST and other taxes, levies and duties. Any payment made by or on behalf of the Customer which is later avoided by the application of any Statutory Provisions shall be deemed not to discharge the Supplier's title in the Goods nor the Customer's indebtedness to the Supplier and, in such an event, the parties are to be restored to the rights which each respectively would have had if the payment had not been made.

8.2 Bailment — The Customer acknowledges that it is in possession of the Goods solely as Bailee until payment of all invoices for the Goods is made pursuant to clause 6.1 and until that time:

(a) The Customer is not entitled to sell the Goods but only in the ordinary course of business;

(b) The Customer must not encumber or otherwise charge the Goods;

(c) The Customer shall be fully responsible for any loss or damage to the Goods whatsoever and howsoever 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 Supplier shall be entitled to retain the proceeds of any Goods sold and apply same towards the Customer's indebtedness to the Supplier. If the Customer commits an act of bankruptcy, enters into 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 — If there 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. WARRANTY

9.1 The warranty period for the Goods shall be as per the manufacturer's specifications or the Supplier's specifications, as the case may be, 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 Work and/or service carried out on the Goods by anyone other than the Supplier and/or their nominated 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.

- 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.
- 9.6 The Supplier shall not be 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. DESIGN UPDATES—The Supplier reserves the right to make changes and improvements to the Goods without incurring any obligations whatsoever to install or make changes and improvements to Goods already supplied.
11. INSPECTION ON DELIVERY—The Customer shall 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 Customer shall afford the Supplier an opportunity to inspect such Goods within a reasonable 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 a restocking charge of 15% will be applied on unused Goods sent back for credit or exchange. Freight of unused Goods shall be the Customer's responsibility.
- 12.2 Customised product or special orders are not returnable.
13. MERCHANDISING EQUIPMENT—The Supplier's merchandising equipment shall remain the Supplier's property at all times. The Customer shall indemnify 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, under applicable State and Commonwealth law, certain conditions and warranties may be implied in these Terms and Conditions and there are rights and remedies conferred on the Customer in relation to the provision of the Goods or of services which cannot be excluded, restricted or modified by the Agreement ("Non-excludable Rights").
- 14.2 Disclaimer of Liability—The Supplier disclaims all conditions and warranties expressed or implied, and all rights and remedies conferred on the Customer, by statute, the common law, equity, trade, custom or usage or otherwise and all those conditions and warranties 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.
- 14.3 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, indirect or consequential loss or damage of any nature whatsoever 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, flood, 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 hereby charges all property, both the equitable and legal, present or future 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 a security 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:  
 (a) Receive a notice of intention to seize collateral under section 95;  
 (b) Object to Secured Party purchasing the collateral under section 129;  
 (c) Receive a disposal notice under section 130;  
 (d) Receive a statement of account under section 130(4) or section 132(30)(d);  
 (e) Receive notice of retention of collateral under section 142;  
 (f) Redeem the collateral under section 142; and  
 (g) Reinstatement the security agreement under section 143.
- 16.5 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 in writing if the Customer changes any of its details that are required to register a financing arrangement under the PPSA.
- 16.6 Any payment made to the Company by the Customer may be applied by the Company in any manner the Company thinks fit.
- 16.7 In this clause a word that is defined in the PPSA has the meaning it has under the Act.
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 undertakes to hold the Supplier harmless and reimburse the Supplier for any loss or damage the Supplier suffers if the provision of those goods or services results in a claim being made against the Supplier by a third party alleging that their intellectual property rights have been infringed.
18. PRIVACY
- 17.3 The Customer hereby 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 creditworthiness; 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
- 18.1 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.
- 18.2 Set Off - The Supplier is entitled to deduct from any amounts due to the Customer any amount due from the Customer.
- 18.3 Implied terms - Except as required by mandatory operation of law (or as otherwise expressly provided) all implied conditions are excluded.
- 18.4 Acknowledgement - No failure by you to acknowledge these terms of trade, and no supply of goods in such 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.
- 18.5 Assignment - You may not assign the contract without our prior written approval.
- 18.6 Failure to adhere to these terms of the agreement - may result in credit being withdrawn.
- 18.7 Governing Law and Jurisdiction - The laws in force in South Australia govern a 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**

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