



Arkal Product Guide



Manual Disc Filters $\frac{3}{4}$ " - 1" - 1 $\frac{1}{2}$ "



$\frac{3}{4}$ "

$\frac{3}{4}$ " Filtap

1"

1" Super

1 $\frac{1}{2}$ "

1 $\frac{1}{2}$ " Super

Inlet/Outlet Connection

$\frac{3}{4}$ " - 1" - 1 $\frac{1}{2}$ "

Standard Features:

- Innovative filter design captures and retains large amounts of solids
- Operation is easy and requires no special tools
- Excellent corrosion resistance
- Long life span
- Polyamide housing - resistant to harsh environmental conditions ($\frac{3}{4}$ " PBT housing)

¾" Technical Data**¾" w/o valve****¾" Filtap (with valve)**

Max. pressure	10 bar	10 bar
Flow rate: 400-100 micron (40-140 mesh)	4 m ³ /h	4 m ³ /h
Filtration surface area	160 cm ²	160 cm ²
Filtration volume	95 cm ³	95 cm ³
Filter length - L	144 mm	210 mm
Filter width - WØ	74 mm	74 mm
Distance between end connections - A	150 mm	155 mm
Weight	0.37 kg	0.42 kg

1" Technical Data**1"****1" Super**

Max. pressure	10 bar	10 bar
Flow rate: 400-100 micron (40-140 mesh)	6 m ³ /h	8 m ³ /h
55 micron	4 m ³ /h	6 m ³ /h
Filtration surface area	306 cm ²	500 cm ²
Filtration volume	360 cm ³	592 cm ³
Filter length - L	233 mm	340 mm
Filter width - WØ	130 mm	130 mm
Distance between end connections - A	158 mm	158 mm
Weight	1.1 kg	1.4 kg

1½" Technical Data**1½"****1½" Super**

Max. pressure	10 bar	10 bar
Flow rate: 400-100 micron (40-140 mesh)	8 m ³ /h	12 m ³ /h
55 micron	5 m ³ /h	8 m ³ /h
Filtration surface area	306 cm ²	500 cm ²
Filtration volume	360 cm ³	592 cm ³
Filter length - L	250 mm	350 mm
Filter width - WØ	130 mm	130 mm
Distance between end connections - A	200 mm	200 mm
Weight	1.3 kg	1.5 kg

* Measurements are for reference only.

Manual Disc 2"-3"



2" Line



2" Dual



2" Super



3" Twin

Inlet/Outlet Connection

2" - 3"

Standard Features:

- Innovative filter design captures and retains large amounts of solids
- Operation is easy and requires no special tools
- Excellent corrosion resistance
- Long life span

Special Features:

- 2" super filter - Tangential inlet for higher retention capacity.
- 2" Dual filter - Angle or in-line outlet options for maximum flexibility.
- 3" Twin filter - Largest filtration area of comparable products.
- Polyamide housing - resistant to harsh environmental conditions.

2" Line/Dual Technical Data

Max. pressure	10 bar
Flow rate: 400-100 micron (40-140 mesh)	25 m ³ /h
70 micron	20 m ³ /h
55 micron	17 m ³ /h
20 micron	8 m ³ /h
Filtration surface area	950 cm ²
Filtration volume	1,225 cm ³
Filter length - L	437 mm/465 mm
Filter width - WØ	200 mm
Distance between end connections	A. 260 mm, B. 76 mm
Weight	5 kg

2" Super Technical Data

Max. pressure	10 bar
Flow rate: 400-100 micron (40-140 mesh)	25 m ³ /h
70 micron	20 m ³ /h
55 micron	17 m ³ /h
20 micron	8 m ³ /h
Filtration surface area	950 cm ²
Filtration volume	1,225 cm ³
Filter length - L	495 mm
Filter width - WØ	200 mm
Distance between end connections	A. 145 mm, B. 85 mm
Weight	6 kg

3" Twin Technical Data

Max. pressure	10 bar
Flow rate: 400-100 micron (40-140 mesh)	50 m ³ /h
70 micron	40 m ³ /h
55 micron	34 m ³ /h
20 micron	16 m ³ /h
Filtration surface area	1,900 cm ²
Filtration volume	2,450 cm ³
Filter length - L	865 mm
Filter width - WØ	200 mm
Distance between end connections	A. 260 mm B. 76 mm
Distance between end connections - A	320 mm
Weight (flanged)	13.95 kg
Weight (victualic, threaded)	9.85 kg

* Measurements are for reference only.

Manual Disc Filters 2"-3" Leader



2" Leader



3" Leader

Inlet/Outlet Connection

2" - 3"

Standard Features:

- Innovative filter design captures and retains large amounts of solids
- Operation is easy and requires no special tools
- Long life span

Special Features:

- Easy to open, clean and close.
- Suitable for all commonly used fertilizers and acids.
- Suitable for sea and brackish water, high and low pH 2-13.
- Polypropylene housing - excellent chemical resistance.

2" Leader Technical Data

Max. pressure	10 bar
Flow rate: 400-100 micron (40-140 mesh)	25 m ³ /h
70 micron	20 m ³ /h
55 micron	17 m ³ /h
20 micron	8 m ³ /h
Filtration surface area	950 cm ²
Filtration volume	1,225 cm ³
Filter length - L	425 mm
Filter width - WØ	195 mm
Distance between end connections	A. 230 mm B. 75 mm
Weight	2 kg

3" Leader Technical Data

Max. pressure	10 bar
Flow rate: 400-100 micron (40-140 mesh)	50 m ³ /h
70 micron	40 m ³ /h
55 micron	34 m ³ /h
20 micron	16 m ³ /h
Filtration surface area	1,900 cm ²
Filtration volume	2,450 cm ³
Filter length - L	742 mm
Filter width - WØ	200 mm
Distance between end connections	A. 260 mm B. 76 mm
Distance between end connections - A	320 mm
Weight (flanged)	8 kg
Weight (victualic, threaded)	6.3 kg

* Measurements are for reference only.

Manual Disc Filters

2" Dual Lite, 3" Twin Lite



2" Dual Leader



3" Twin Lite

Inlet/Outlet Connection

2" - 3"

Standard Features:

- Innovative filter design captures and retains large amounts of solids
- Operation is easy and requires no special tools
- Long life span

Special Features:

- Easy to open, clean and close.
- Suitable for all commonly used fertilizers and acids.
- Suitable for sea and brackish water, high and low pH 2-13.
- Polypropylene housing - excellent chemical resistance.
- Unique polymeric clamp.

2" Dual Lite Technical Data

Max. pressure	8 bar
Flow rate: 400-100 micron (40-140 mesh)	25 m ³ /h
70 micron	20 m ³ /h
55 micron	17 m ³ /h
20 micron	8 m ³ /h
Filtration surface area	950 cm ²
Filtration volume	1,225 cm ³
Filter length - L	416 mm
Filter width - WØ	195 mm
Distance between end connections	A. 260 mm B. 75 mm
Weight	3 kg

3" Twin Lite Technical Data

Max. pressure	10 bar
Flow rate: 400-100 micron (40-140 mesh)	50 m ³ /h
70 micron	40 m ³ /h
55 micron	34 m ³ /h
20 micron	16 m ³ /h
Filtration surface area	1,900 cm ²
Filtration volume	2,450 cm ³
Filter length - L	840 mm
Filter width - WØ	225 mm
Distance between end connections - A	320 mm
Weight	5.9 kg

* Measurements are for reference only.

Manual Disc Filters 3" - 4" Super Angle



3" Super Angle



4" Super Angle

Inlet/Outlet Connection

3" - 4"

Standard Features:

- Innovative filter design captures and retains large amounts of solids
- Operation is easy and requires no special tools
- Long life span

Special Features:

- Easy to open, clean and close.
- Suitable for all commonly used fertilizers and acids.
- Suitable for sea and brackish water, high and low pH 2-13.
- Polypropylene housing - excellent chemical resistance.

3" Super Angle Technical Data

Max. pressure	10 bar
Flow rate: 400-100 micron (40-140 mesh)	50 m ³ /h
55 micron	35 m ³ /h
20 micron	18 m ³ /h
Filtration surface area	1,852 cm ²
Filtration volume	2,223 cm ³
Filter height - H	666 mm
Filter length - L	397 mm
Filter width - WØ	280 mm
Distance between end connections	A. 185 mm B. 145 mm
Weight - flanged	12.55 kg
Weight - victaulic, threaded	11.05 kg

4" Super Angle Technical Data

Max. pressure	10 bar
Flow rate: 400-100 micron (40-140 mesh)	60 m ³ /h
55 micron	40 m ³ /h
20 micron	20 m ³ /h
Filtration surface area	1,852 cm ²
Filtration volume	2,223 cm ³
Filter height - H	664 mm
Filter length - L	410 mm
Filter width - WØ	280 mm
Distance between end connections	A. 187 mm B. 145 mm
Weight - flanged	13.50 kg
Weight - victaulic, threaded	11.40 kg

* Manifold construction material options: Polypropylene, Polyester Coated, Stainless Steel.

* Measurements are for reference only.

Manual Disc Filters 4" - 6" Super Leader



4" Super Leader



6" Super Leader

Inlet/Outlet Connection

4" - 6"

Standard Features:

- Innovative filter design captures and retains large amounts of solids
- Operation is easy and requires no special tools
- Long life span

Special Features:

- The largest polypropylene disc filters.
- Easy to open, clean and close.
- Suitable for all commonly used fertilizers and acids.
- Suitable for sea and brackish water, high and low pH 2-13.
- Polypropylene housing - excellent chemical resistance.

4" Super Leader Technical Data

Max. pressure	10 bar
Max. flow rate: 400-100 micron	110 m ³ /h
Filtration surface area	3,704 cm ²
Filtration volume	4,446 cm ³
Filter length - L	1,185 mm
Filter width - WØ	280 mm
Distance between end connections - A	445 mm
Weight - flanged	24.65 kg

6" Super Leader Technical Data

Max. pressure	10 bar
Max. flow rate: 400-100 micron	160 m ³ /h
Filtration surface area	3,704 cm ²
Filtration volume	4,446 cm ³
Filter length - L	1,185 mm
Filter width - WØ	280 mm
Distance between end connections - A	415 mm
Weight - flanged	26.40 kg

* Manifold construction material options: Polypropylene, Polyester Coated, Stainless Steel.

* Measurements are for reference only.