

# 3/4" Filter

## Manual Disc Filter

### Features

- Durable filter element
- Corrosion free
- All Plastic
- Precise disc filtration



### Technical Data

|                         | METRIC              | US                   |
|-------------------------|---------------------|----------------------|
| Connection diameter     | mm 20               | in 3/4               |
| Filtration surface area | cm <sup>2</sup> 160 | in <sup>2</sup> 24.8 |
| Filtration volume       | cm <sup>3</sup> 95  | in <sup>3</sup> 5.8  |
| Pressure rating         | bar 10              | psi 145              |
| Max. temp.              | °C 60               | °F 140               |

### Maximum Filtration Flow Rate / Water Quality

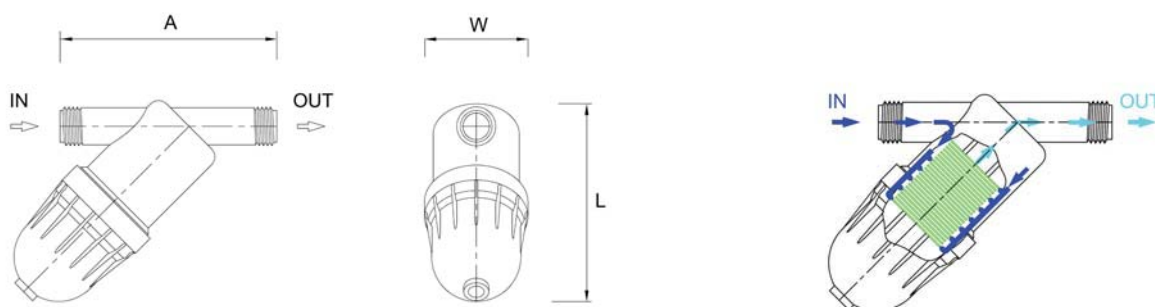
| Filtration Grade | Water Quality | m <sup>3</sup> /h | gpm  |
|------------------|---------------|-------------------|------|
| 400-130 µ        | Good          | 4                 | 17.6 |
|                  | Average       | 3                 | 13.5 |

# 3/4" Filter

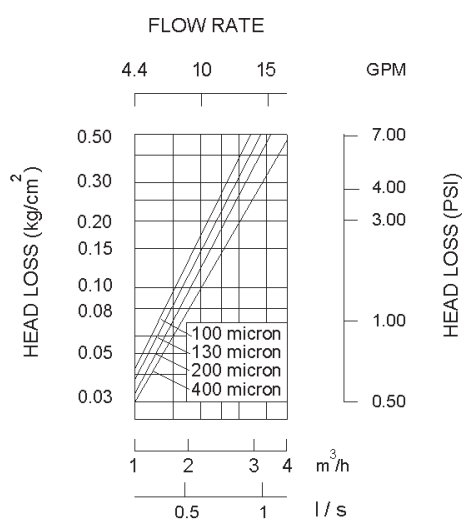
Manual Disc Filter

## Dimensions and Weights

|                           |    |      |      |         |
|---------------------------|----|------|------|---------|
| D Inlet\Outlet diameter   | mm | 20   | inch | 3/4     |
| L Length                  | mm | 144  | inch | 5 11/16 |
| W Width                   | mm | 74   | inch | 2 29/32 |
| A                         | mm | 150  | inch | 5 29/32 |
| Shipping weight (approx.) | kg | 0.37 | lbs  | 0.8     |



## Head Loss Chart, Clean State



3/4" Filter is available in:  
Polyester.

# ARKAL 3/4" FILTER

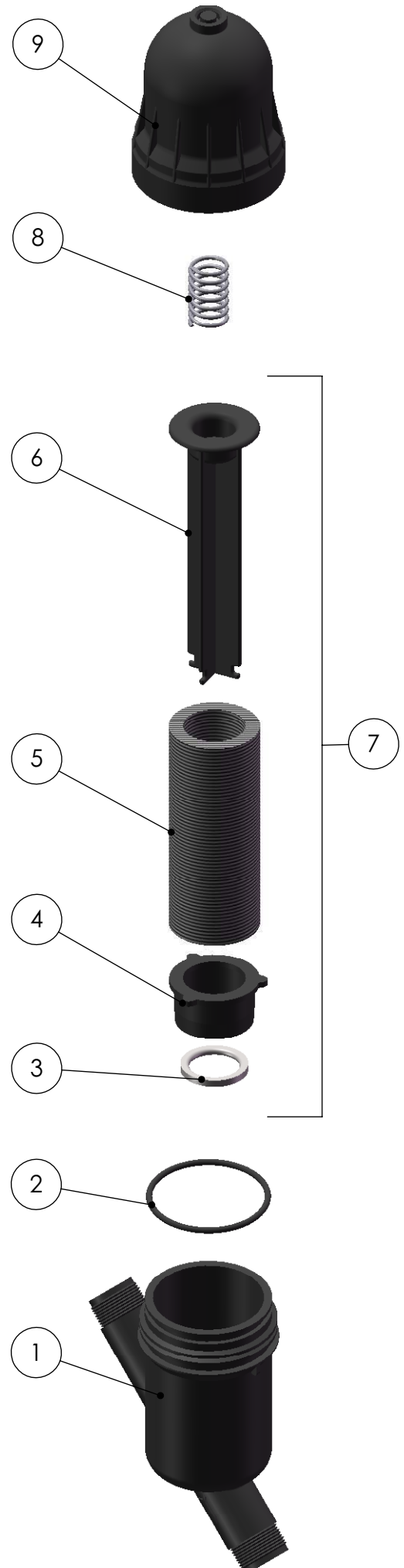
Cat. no. 1070 0\_\_

## PARTS LIST

| No. | DESCRIPTION              | CAT. No   | MATERIALS |
|-----|--------------------------|-----------|-----------|
| 1   | FILTER BODY              | 2500 0070 | PBT       |
| 2   | COVER "O" RING           | 5002 5436 | N.R.      |
| 3   | SPINE RING               | 2507 0070 | P.P.      |
| 4   | SPINE TIGHTENING RING    | 2507 0071 | P.P.      |
| 5   | DISC SET                 | 2007 1__  | P.P.      |
| 6   | FILTER SPINE             | 2502 0070 | P.P.      |
| 7   | FILTER ELEMENT           | 2107 1__  |           |
| 8   | FILTER TIGHTENING SPRING | 5044 0008 | S.S.      |
| 9   | FILTER COVER             | 2501 0070 | PBT       |

## MATERIALS:

- 1) P.P. - POLYPROPYLENE
- 2) PBT - POLYESTER
- 3) S.S. - STAINLESS STEEL
- 4) N.R. - NITRILE RUBBER



# 3/4" Filtap

## Manual Disc Filter

### Features

- Precise disc filtration
- Durable filter element
- All plastic-corrosion free
- Built in, integral tap



### Technical Data

|                         | METRIC              | US                                               |
|-------------------------|---------------------|--------------------------------------------------|
| Connection diameter     | mm 20               | in <sup>3</sup> / <sub>4</sub>                   |
| Filtration surface area | cm <sup>2</sup> 160 | in <sup>2</sup> 24 <sup>13</sup> / <sub>16</sub> |
| Filtration volume       | cm <sup>3</sup> 95  | in <sup>3</sup> 5 <sup>13</sup> / <sub>16</sub>  |
| Pressure rating         | bar 10              | psi 145                                          |
| Max. temp.              | °C 60               | °F 140                                           |

### Maximum Filtration Flow Rate / Water Quality

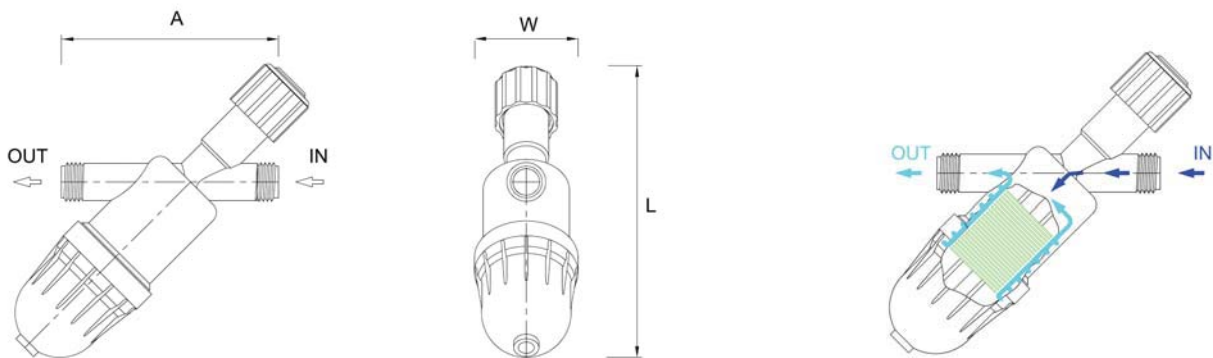
| Filtration Grade | Water Quality | m <sup>3</sup> /h | gpm  |
|------------------|---------------|-------------------|------|
| 400-130 µ        | Good          | 4                 | 18   |
|                  | Average       | 3                 | 13.5 |

# 3/4" Filtrap

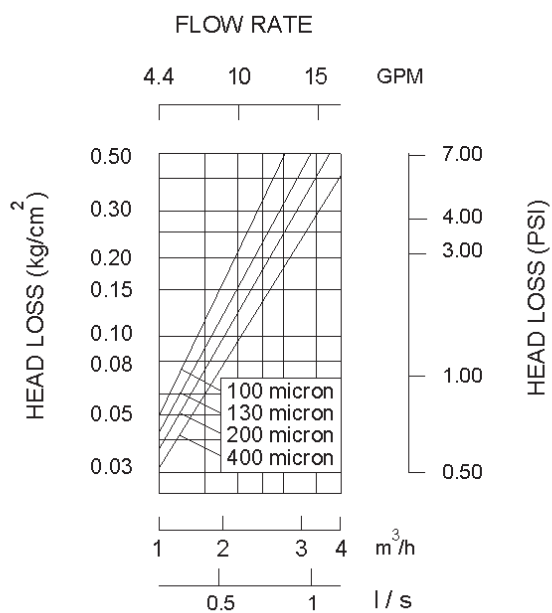
Manual Disc Filter

## Dimensions and Weights

|                           |    |       |      |         |
|---------------------------|----|-------|------|---------|
| D Inlet\Outlet diameter   | mm | 20    | inch | 3/4     |
| L Length                  | mm | 210   | inch | 8 1/4   |
| W Width                   | mm | 74    | inch | 2 29/32 |
| A                         | mm | 155   | inch | 6 3/32  |
| Shipping weight (approx.) | kg | 0.420 | lbs  | 0.9     |



## Head Loss Chart, Clean State



3/4" Filtrap is available in:  
Polyester.

# ARKAL 3/4" FILTAP

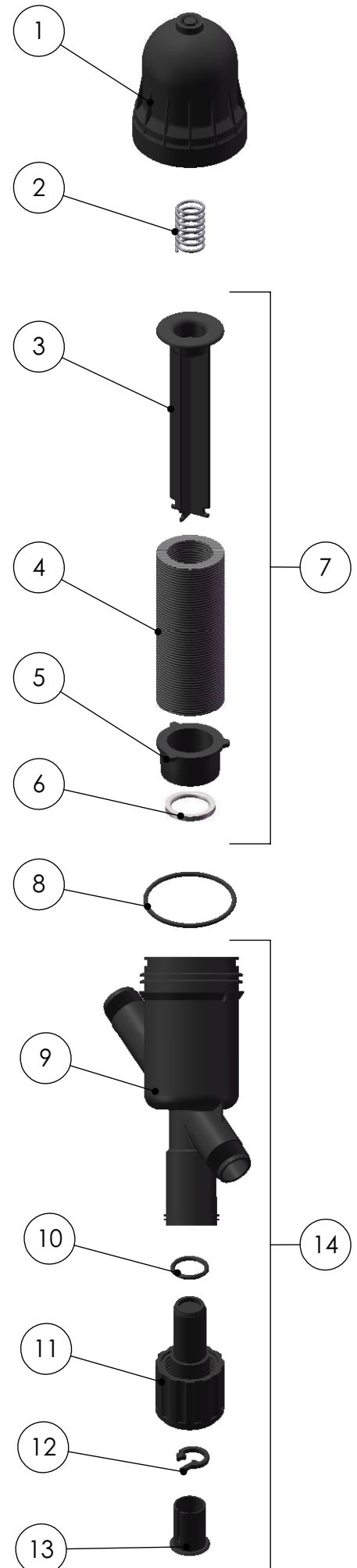
Cat. no. 1072 0\_\_

## PARTS LIST

| No. | DESCRIPTION              | CAT. No   | MATERIALS |
|-----|--------------------------|-----------|-----------|
| 1   | FILTER COVER             | 2501 0070 | PBT       |
| 2   | FILTER TIGHTENING SPRING | 5044 0008 | S.S.      |
| 3   | FILTER SPINE             | 2502 0070 | P.P.      |
| 4   | DISC SET                 | 2007 1__  | P.P.      |
| 5   | SPINE TIGHTENING RING    | 2507 0071 | P.P.      |
| 6   | SPINE RING               | 2507 0070 | P.P.      |
| 7   | FILTER ELEMENT           | 2107 1__  |           |
| 8   | COVER "O" RING           | 5002 5436 | NITRILE   |
| 9   | FILTER BODY              | 2500 0072 | PBT       |
| 10  | TAP "O" RING             | 5002 1903 | NITRILE   |
| 11  | VALVE STEM               | 2530 0070 | P.P.      |
| 12  | FILTAP RETAINING RING    | 2507 0072 | ACETAL    |
| 13  | VALVE COVER              | 2511 0140 | P.C.      |
| 14  | FILTER BODY COMPLETE     | 2207 0002 |           |

## MATERIALS:

- 1) P.P. - POLYPROPYLENE
- 2) P.C. - POLICARBONAT
- 3) S.S. - STAINLESS STEEL
- 4) PBT - POLYESTER



# 1" Short

## Manual Disc Filter

### Features

- Precise disc filtration
- Durable filter element
- All plastic-corrosion free



### Technical Data

|                         | METRIC              | US                 |
|-------------------------|---------------------|--------------------|
| Connection diameter     | mm 25               | in 1               |
| Filtration surface area | cm <sup>2</sup> 308 | in <sup>2</sup> 48 |
| Filtration volume       | cm <sup>3</sup> 370 | in <sup>3</sup> 22 |
| Pressure rating         | bar 10              | psi 145            |
| Max. temp.              | °C 70               | °F 158             |

### Maximum Filtration Flow Rate / Water Quality

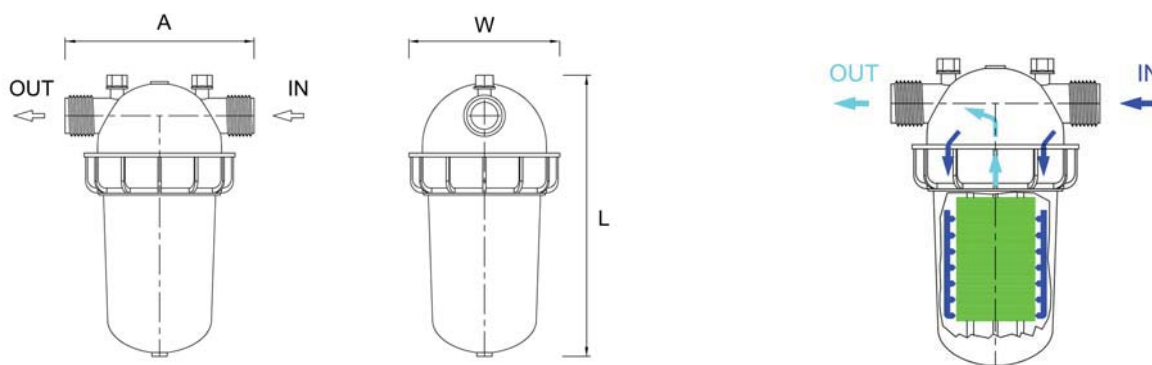
| Filtration Grade | Water Quality | m <sup>3</sup> /h | gpm  |
|------------------|---------------|-------------------|------|
| 400-130 µ        | Good          | 6                 | 26.5 |
|                  | Average       | 4.5               | 20   |
| 55 µ             | Good          | 4.2               | 18.5 |
|                  | Average       | 3.15              | 14   |

# 1" Short

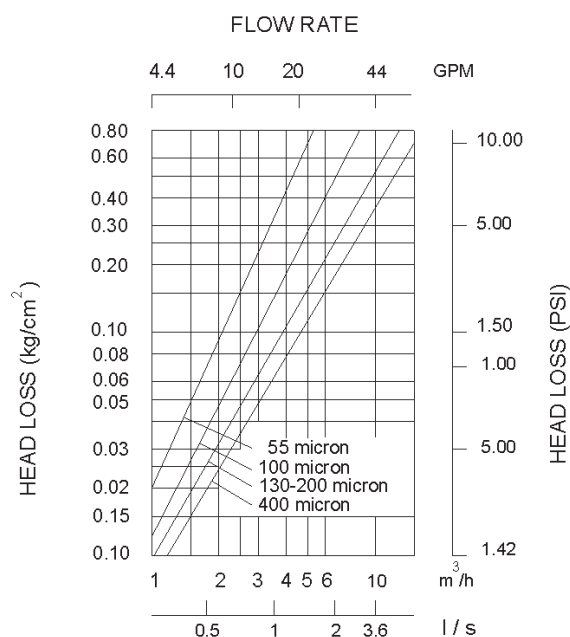
Manual Disc Filter

## Dimensions and Weights

|                           |    |     |      |                                |
|---------------------------|----|-----|------|--------------------------------|
| D Inlet\Outlet diameter   | mm | 25  | inch | 1                              |
| L Length                  | mm | 233 | inch | 9 <sup>3</sup> / <sub>16</sub> |
| W Width                   | mm | 130 | inch | 5 <sup>3</sup> / <sub>32</sub> |
| A                         | mm | 158 | inch | 6 <sup>7</sup> / <sub>32</sub> |
| Shipping weight (approx.) | kg | 1.1 | lbs  | 2.4                            |



## Head Loss Chart, Clean State



**1" Short is available in:**  
Polyamide or Polypropylene.



# ARKAL 1" SHORT FILTER

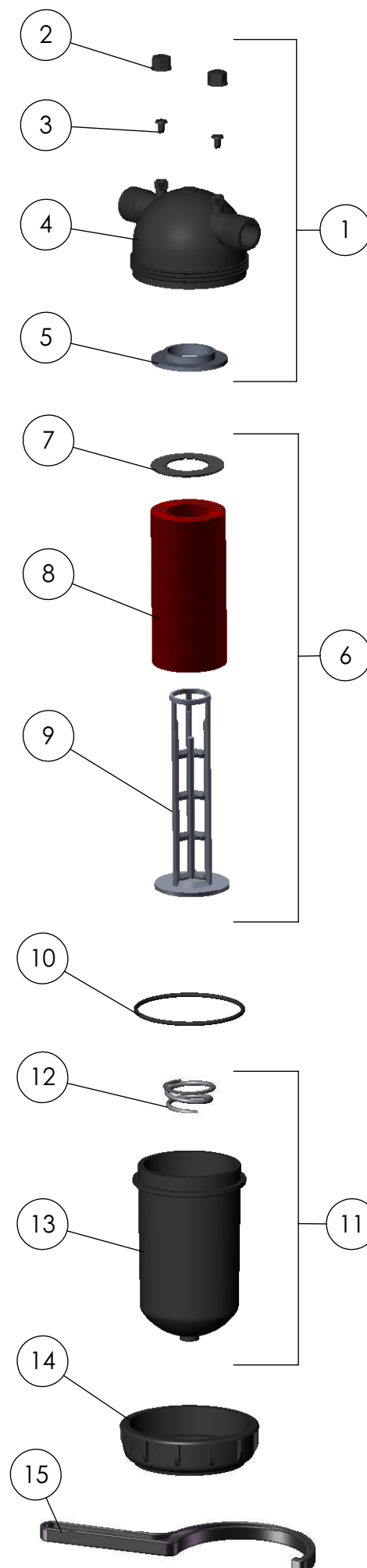
Cat. no. 1100 0\_\_ STANDARD (BSP)  
1103 0\_\_ STANDARD (NPT)

## PARTS LIST

| No. | DESCRIPTION             | CAT. No   | MATERIALS |
|-----|-------------------------|-----------|-----------|
| 1   | FILTER BODY COMPLEX BSP | 2208 0001 |           |
|     | FILTER BODY COMPLEX NPT | 2208 0002 |           |
| 2   | GAUGE PORTS NUT         | 2511 0103 | R.P.P.    |
| 3   | GAUGE PORTS SEAL        | 5006 0004 | EPDM      |
| 4   | FILTER BODY BSP         | 2500 0100 |           |
|     | FILTER BODY NPT         | 2500 0101 | R.P.A.    |
| 5   | FILTER ADAPTER RING     | 2507 0100 | R.P.P.    |
| 6   | FILTER ELEMENT          | 2110 1__  |           |
| 7   | RING RETANING DISC      | 2507 0102 | PBT       |
| 8   | DISC SET                | 2010 1__  | P.P.      |
| 9   | SPINE                   | 2502 0100 | R.P.P.    |
| 10  | 90*4 "O" RING           | 5002 9004 | N.R.      |
| 11  | COVER COMPLEX           | 2202 0010 |           |
| 12  | FILTER SPRING           | 5044 0010 | S.S.      |
| 13  | 1" FILTER COVER         | 2501 0100 | R.P.A.    |
| 14  | FIXING NUT              | 2506 0100 | R.P.A.    |
| 15  | 1" FILTER WRENCH        | 2530 0115 | R.P.A.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) S.S. - STAINLESS STEEL
- 5) N.R. - NITRILE RUBBER



# ARKAL 1" SHORT FILTER

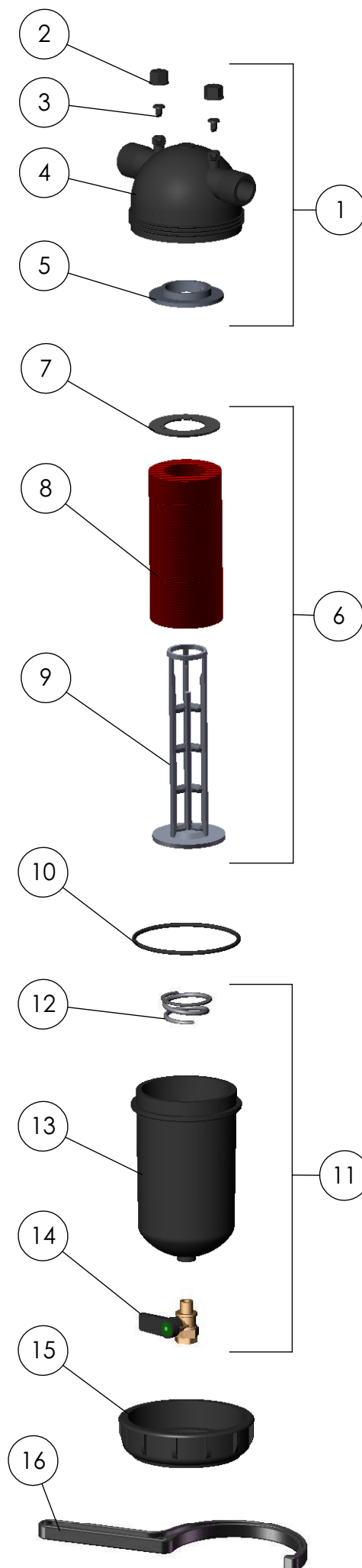
Cat. no. 1100 1\_\_\_ WITH TAP (BSP)  
1103 1\_\_\_ WITH TAP (NPT)

## PARTS LIST

| No. | DESCRIPTION             | CAT. No   | MATERIALS |
|-----|-------------------------|-----------|-----------|
| 1   | FILTER BODY COMPLEX BSP | 2208 0001 |           |
|     | FILTER BODY COMPLEX NPT | 2208 0002 |           |
| 2   | GAUGE PORTS NUT         | 2511 0103 | R.P.P.    |
| 3   | GAUGE PORTS SEAL        | 5006 0004 | EPDM      |
| 4   | FILTER BODY BSP         | 2500 0100 | R.P.A.    |
|     | FILTER BODY NPT         | 2500 0101 |           |
| 5   | FILTER ADAPTER RING     | 2507 0100 | R.P.P.    |
| 6   | FILTER ELEMENT          | 2110 1___ |           |
| 7   | RING RETANING DISC      | 2507 0102 | PBT       |
| 8   | DISC SET                | 2010 1___ | P.P.      |
| 9   | SPINE                   | 2502 0100 | R.P.P.    |
| 10  | 90°4 "O" RING           | 5002 9004 | N.R.      |
| 11  | COVER COMPLEX           | 2202 0013 |           |
| 12  | FILTER SPRING           | 5044 0010 | S.S.      |
| 13  | 1" FILTER COVER         | 2501 0100 | R.P.A.    |
| 14  | 1/4" TAP                | 5054 0008 | BRASS     |
| 15  | FIXING NUT              | 2506 0100 | R.P.A.    |
| 16  | 1" FILTER WRENCH        | 2530 0115 | R.P.A.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) S.S. - STAINLESS STEEL
- 5) N.R. - NITRILE RUBBER



# 1" Super

## Manual Disc Filter

### Features

- Precise disc filtration
- Durable filter element
- All plastic-corrosion free



### Technical Data

|                         | METRIC                | US                    |
|-------------------------|-----------------------|-----------------------|
| Connection diameter     | mm 25                 | in 1                  |
| Filtration surface area | cm <sup>2</sup> 501.2 | in <sup>2</sup> 77.78 |
| Filtration volume       | cm <sup>3</sup> 592   | in <sup>3</sup> 36.1  |
| Pressure rating         | bar 10                | psi 145               |
| Max. temp.              | °C 70                 | °F 158                |

### Maximum Filtration Flow Rate / Water Quality

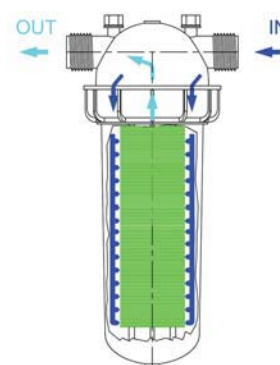
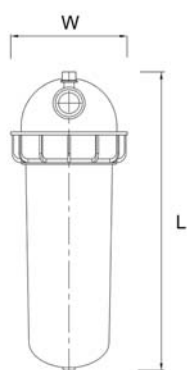
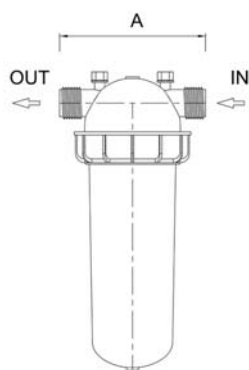
| Filtration Grade | Water Quality | m <sup>3</sup> /h | gpm  |
|------------------|---------------|-------------------|------|
| 400-130 µ        | Good          | 8                 | 35   |
|                  | Average       | 6                 | 26.5 |
| 55 µ             | Good          | 5.6               | 25   |
|                  | Average       | 4.2               | 18.5 |

# 1" Super

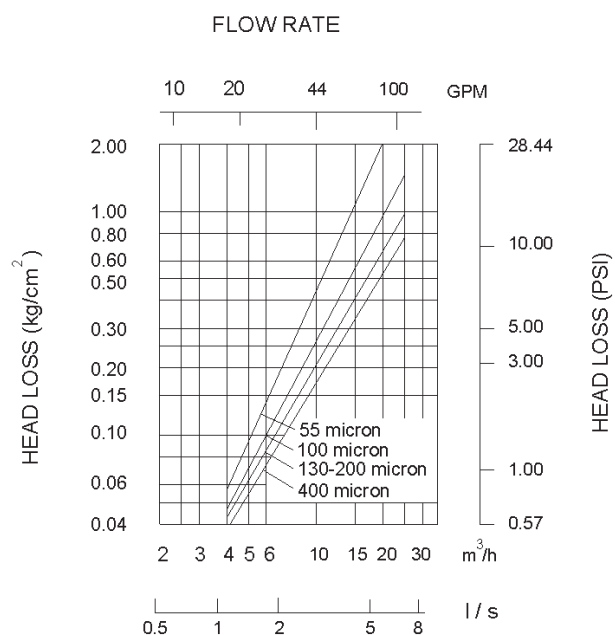
Manual Disc Filter

## Dimensions and Weights

|                           |    |      |      |                                  |
|---------------------------|----|------|------|----------------------------------|
| D Inlet\Outlet diameter   | mm | 25   | inch | 1                                |
| L Length                  | mm | 340  | inch | 13 <sup>13</sup> / <sub>32</sub> |
| W Width                   | mm | 130  | inch | 5 <sup>3</sup> / <sub>32</sub>   |
| A                         | mm | 158  | inch | 6 <sup>7</sup> / <sub>32</sub>   |
| Shipping weight (approx.) | kg | 1.42 | lbs  | 3.13                             |



## Head Loss Chart, Clean State



**1" Super is available in:**  
Polyamide or Polypropylene.

# ARKAL 1" SUPER FILTER

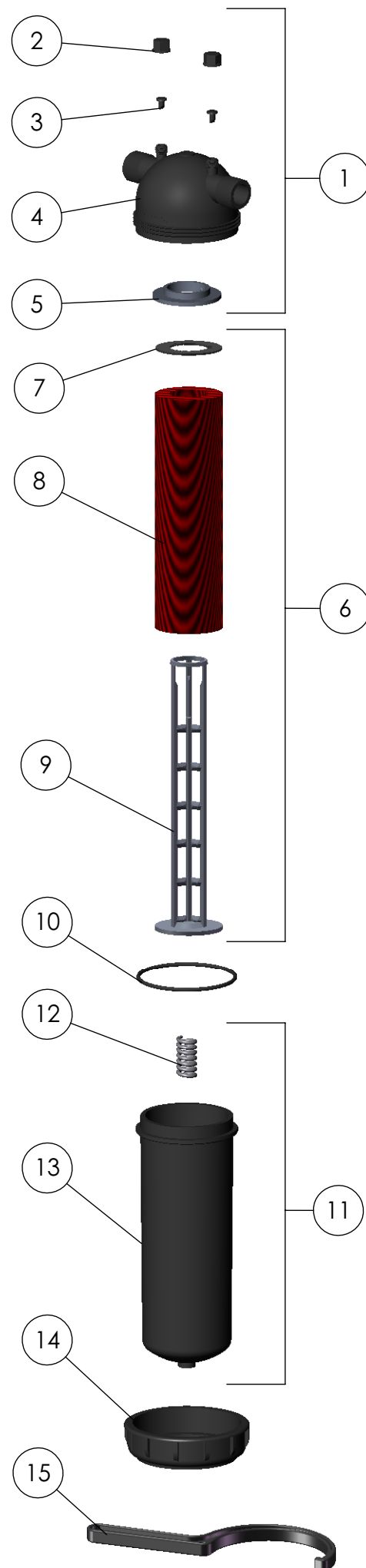
Cat. no. 1102 0\_\_\_STANDART (BSP)  
1104 0\_\_\_STANDART (NPT)

## PARTS LIST

| No. | DESCRIPTION             | CAT. No   | MATERIALS |
|-----|-------------------------|-----------|-----------|
| 1   | FILTER BODY COMPLEX BSP | 2208 0001 |           |
|     | FILTER BODY COMPLEX NPT | 2208 0002 |           |
| 2   | GAUGE PORTS NUT         | 2511 0103 | R.P.P.    |
| 3   | GAUGE PORTS SEAL        | 5006 0004 | EPDM      |
| 4   | FILTER BODY BSP         | 2500 0100 | R.P.A.    |
|     | FILTER BODY NPT         | 2500 0101 |           |
| 5   | FILTER ADAPTER RING     | 2507 0100 | R.P.P.    |
| 6   | FILTER ELEMENT          | 2112 1___ |           |
| 7   | RING RETANING DISC      | 2507 0102 | PBT       |
| 8   | DISC SET                | 2012 1___ | P.P.      |
| 9   | SPINE                   | 2502 0111 | R.P.P.    |
| 10  | 90*4 "O" RING           | 5002 9004 | N.R.      |
| 11  | COVER COMPLEX           | 2202 0011 |           |
| 12  | FILTER SPRING           | 5044 0011 | S.S.      |
| 13  | 1" SUPER COVER          | 2501 0111 | R.P.A.    |
| 14  | FIXING NUT              | 2506 0100 | R.P.A.    |
| 15  | 1" FILTER WRENCH        | 2530 0115 | R.P.A.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) S.S. - STAINLESS STEEL
- 5) N.R. - NITRILE RUBBER



# ARKAL 1" SUPER FILTER

Cat. no. 1102 1\_\_\_ WITH TAP ( BSP )

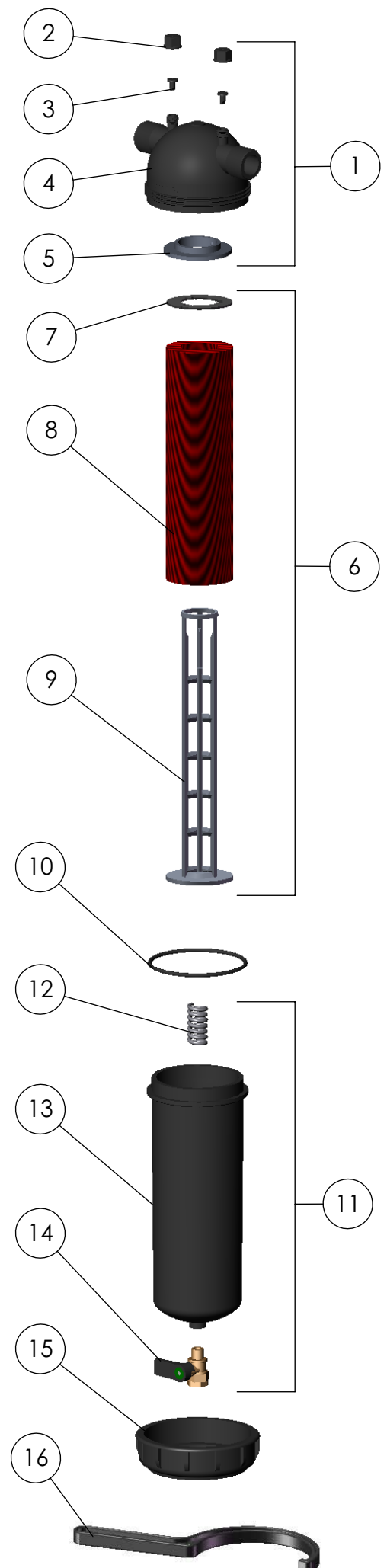
1104 1\_\_\_ WITH TAP ( NPT )

## PARTS LIST

| No. | DESCRIPTION                                        | CAT. No                | MATERIALS |
|-----|----------------------------------------------------|------------------------|-----------|
| 1   | FILTER BODY COMPLEX BSP<br>FILTER BODY COMPLEX NPT | 2208 0001<br>2208 0002 |           |
| 2   | GAUGE PORTS NUT                                    | 2511 0103              | R.P.P.    |
| 3   | GAUGE PORTS SEAL                                   | 5006 0004              | EPDM      |
| 4   | FILTER BODY BSP<br>FILTER BODY NPT                 | 2500 0100<br>2500 0101 | R.P.A.    |
| 5   | FILTER ADAPTER RING                                | 2507 0100              | R.P.P.    |
| 6   | FILTER ELEMENT                                     | 2112 1___              |           |
| 7   | RING RETANING DISC                                 | 2507 0102              | PBT       |
| 8   | DISC SET                                           | 2012 1___              | P.P.      |
| 9   | SPINE                                              | 2502 0111              | R.P.P.    |
| 10  | 90*4 "O" RING                                      | 5002 9004              | N.R.      |
| 11  | COVER COMPLEX                                      | 2202 0012              |           |
| 12  | FILTER SPRING                                      | 5044 0011              | S.S.      |
| 13  | 1" SUPER COVER                                     | 2501 0111              | R.P.A.    |
| 14  | 1/4" TAP                                           | 5054 0008              | BRASS     |
| 15  | FIXING NUT                                         | 2506 0100              | R.P.A.    |
| 16  | 1" FILTER WRENCH                                   | 2530 0115              | R.P.A.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) S.S. - STAINLESS STEEL
- 5) N.R. - NITRILE RUBBER



# 1 1/2" Short

## Manual Disc Filter

### Features

- Precise disc filtration
- Durable filter element
- All plastic-corrosion free



### Technical Data

|                         | METRIC              | US                 |
|-------------------------|---------------------|--------------------|
| Connection diameter     | mm 40               | in 1 1/2"          |
| Filtration surface area | cm <sup>2</sup> 308 | in <sup>2</sup> 48 |
| Filtration volume       | cm <sup>3</sup> 370 | in <sup>3</sup> 23 |
| Pressure rating         | bar 10              | psi 145            |
| Max. temp.              | °C 70               | °F 158             |

### Maximum Filtration Flow Rate / Water Quality

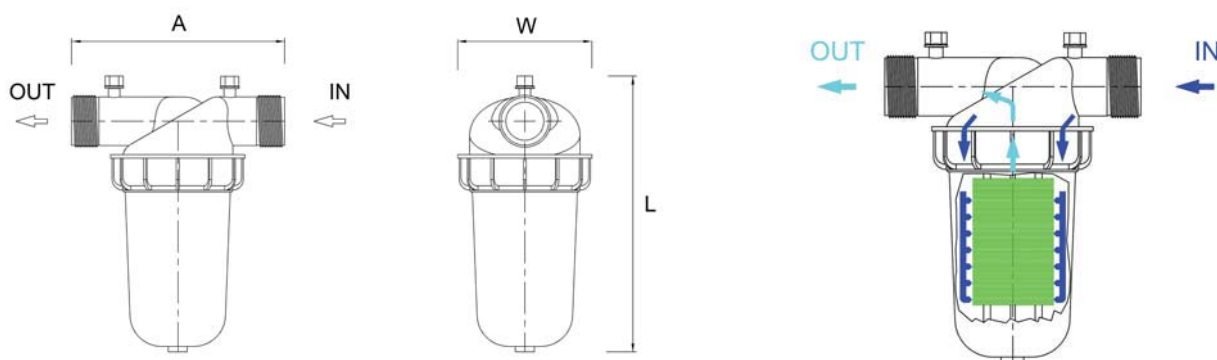
| Filtration Grade | Water Quality | m <sup>3</sup> /h | gpm  |
|------------------|---------------|-------------------|------|
| 400-130 µ        | Good          | 8                 | 35   |
|                  | Average       | 6                 | 26.5 |
| 55 µ             | Good          | 5.6               | 25   |
|                  | Average       | 4.2               | 18.5 |

# 1 1/2" Short

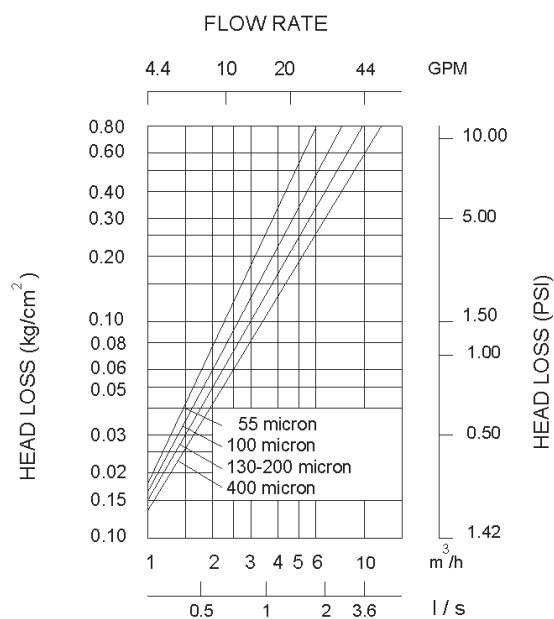
Manual Disc Filter

## Dimensions and Weights

|                           |    |     |      |         |
|---------------------------|----|-----|------|---------|
| D Inlet\Outlet diameter   | mm | 40  | inch | 1 1/2   |
| L Length                  | mm | 250 | inch | 9 27/32 |
| W Width                   | mm | 130 | inch | 5 3/32  |
| A                         | mm | 200 | inch | 7 7/8   |
| Shipping weight (approx.) | kg | 1.3 | lbs  | 2.9     |



## Head Loss Chart, Clean State



1 1/2" Short is available in:  
Polyamide or Polypropylene.



# ARKAL 1 1/2" SHORT FILTER

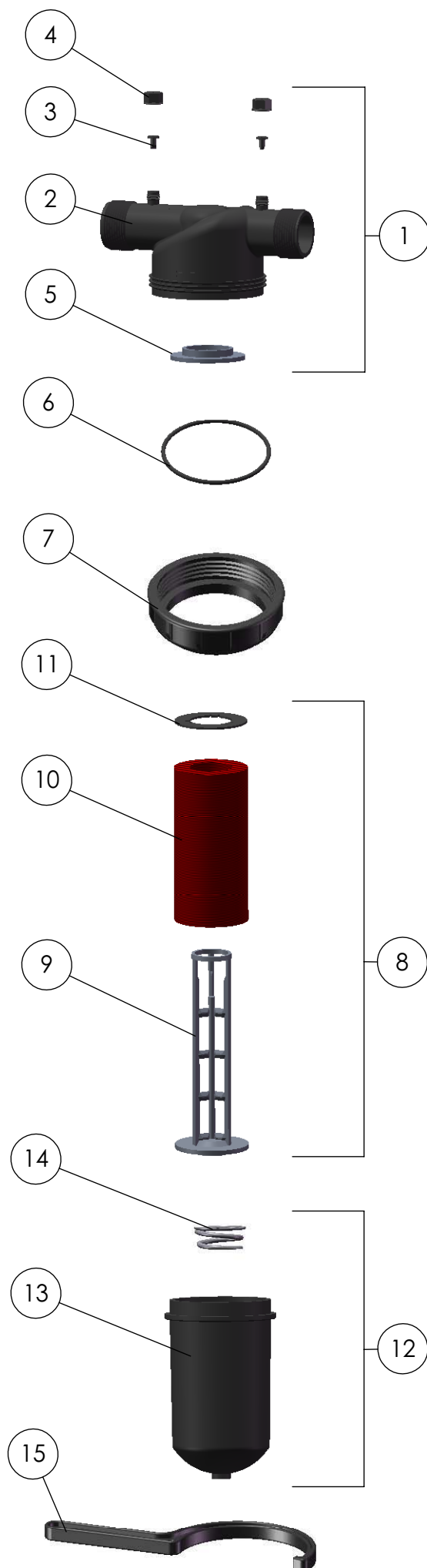
Cat. no. 1150 0\_\_\_\_  
1153 0\_\_\_\_

## PARTS LIST

| No. | DESCRIPTION             | CAT. No    | MATERIALS |
|-----|-------------------------|------------|-----------|
| 1   | FILTER BODY COMPLEX BSP | 2208 0003  |           |
|     | FILTER BODY COMPLEX NPT | 2208 0004  |           |
| 2   | FILTER BODY BSP         | 2500 0150  | R.P.A.    |
|     | FILTER BODY NPT         | 2500 0151  | R.P.A.    |
| 3   | GAUGE PORTS SEAL        | 5006 0004  | EPDM      |
| 4   | GAUGE PORTS NUT         | 2511 0103  | R.P.P.    |
| 5   | FILTER ADAPTER RING     | 2507 0100  | R.P.P.    |
| 6   | 90°*4 "O" RING          | 5002 9004  | N.R.      |
| 7   | FIXING NUT              | 2506 0100  | R.P.A.    |
| 8   | FILTER ELEMENT          | 2110 1____ |           |
| 9   | SPINE                   | 2502 0100  | R.P.P.    |
| 10  | DISC SET                | 2010 1____ | P.P.      |
| 11  | RING RETAINING DISC     | 2507 0102  | PBT       |
| 12  | COVER COMPLEX           | 2202 0010  |           |
| 13  | 1" SHORT COVER          | 2501 0100  | R.P.A.    |
| 14  | FILTER SPRING           | 5044 0010  | S.S.      |
| 15  | 1" FILTER WRENCH        | 2530 0115  | R.P.A.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) S.S. - STAINLESS STEEL
- 5) N.R. - NITRILE RUBBER



# ARKAL 1 1/2" SHORT FILTER

Cat. no. 1150 2\_\_\_ WITH CAP

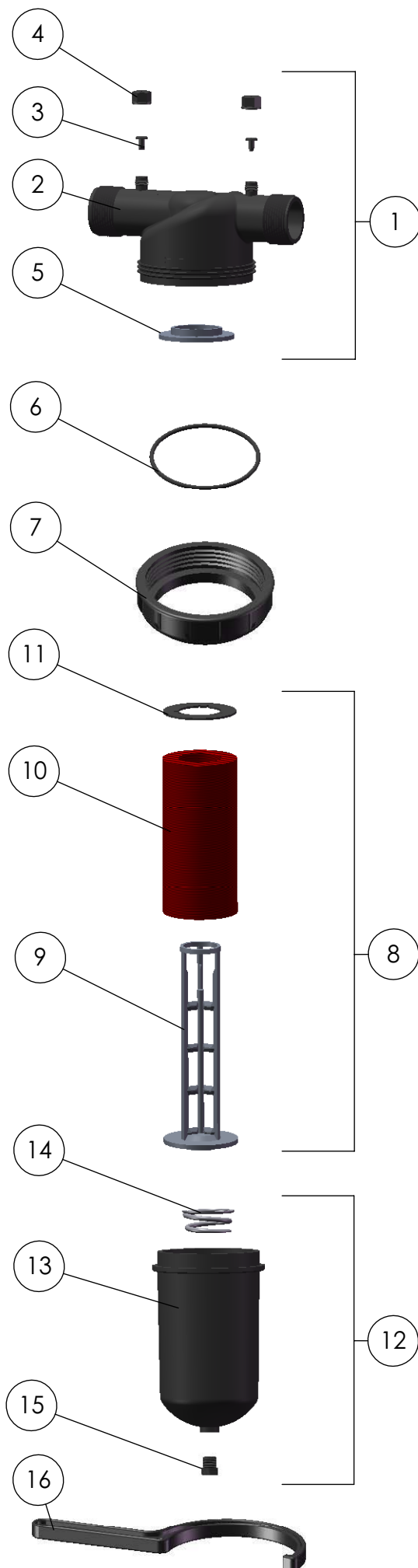
1153 2\_\_\_ WITH CAP

## PARTS LIST

| No. | DESCRIPTION             | CAT. No   | MATERIALS |
|-----|-------------------------|-----------|-----------|
| 1   | FILTER BODY COMPLEX BSP | 2208 0003 |           |
|     | FILTER BODY COMPLEX NPT | 2208 0004 |           |
| 2   | FILTER BODY BSP         | 2500 0150 | R.P.A.    |
|     | FILTER BODY NPT         | 2500 0151 | R.P.A.    |
| 3   | GAUGE PORTS SEAL        | 5006 0004 | EPDM      |
| 4   | GAUGE PORTS NUT         | 2511 0103 | R.P.P.    |
| 5   | FILTER ADAPTER RING     | 2507 0100 | R.P.P.    |
| 6   | 90°*4 "O" RING          | 5002 9004 | N.R.      |
| 7   | FIXING NUT              | 2506 0100 | R.P.A.    |
| 8   | FILTER ELEMENT          | 2110 1___ |           |
| 9   | SPINE                   | 2502 0100 | R.P.P.    |
| 10  | DISC SET                | 2010 1___ | P.P.      |
| 11  | RING RETAINING DISC     | 2507 0102 | PBT       |
| 12  | COVER COMPLEX           | 2202 0016 |           |
| 13  | 1" SHORT COVER          | 2501 0100 | R.P.A.    |
| 14  | FILTER SPRING           | 5044 0010 | S.S.      |
| 15  | 1/4" TEFEN PLUG         | 5078 0104 | P.E.      |
| 16  | 1" FILTER WRENCH        | 2530 0115 | R.P.A.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) S.S. - STAINLESS STEEL
- 5) N.R. - NITRILE RUBBER



# ARKAL 1 1/2" SHORT FILTER

Cat. no. 1150 1\_\_\_ WITH TAP

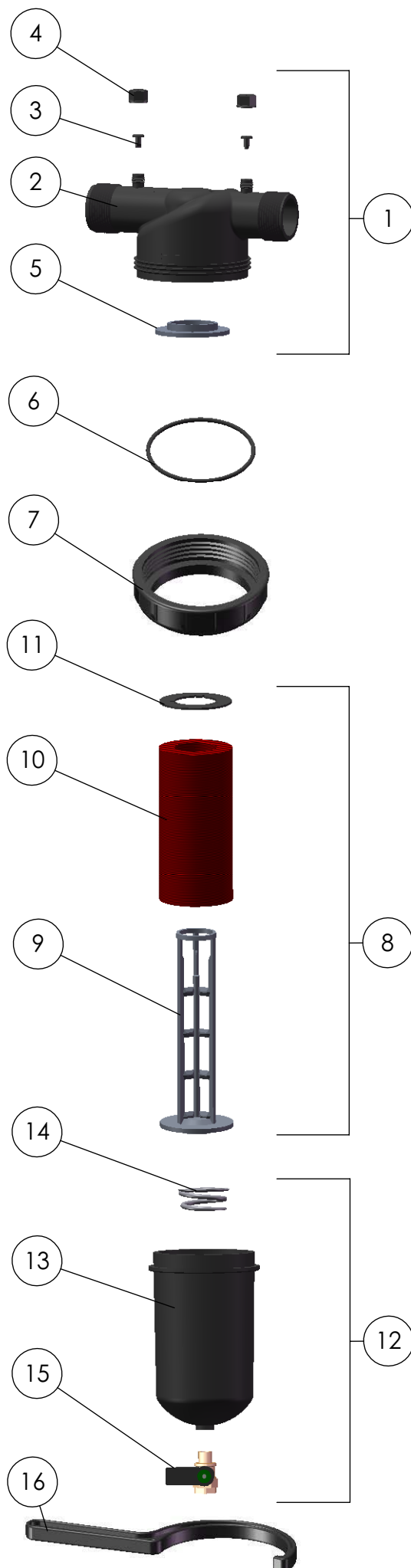
1153 1\_\_\_ WITH TAP

## PARTS LIST

| No. | DESCRIPTION             | CAT. No   | MATERIALS |
|-----|-------------------------|-----------|-----------|
| 1   | FILTER BODY COMPLEX BSP | 2208 0003 |           |
|     | FILTER BODY COMPLEX NPT | 2208 0004 |           |
| 2   | FILTER BODY BSP         | 2500 0150 | R.P.A.    |
|     | FILTER BODY NPT         | 2500 0151 | R.P.A.    |
| 3   | GAUGE PORTS SEAL        | 5006 0004 | EPDM      |
| 4   | GAUGE PORTS NUT         | 2511 0103 | R.P.P.    |
| 5   | FILTER ADAPTER RING     | 2507 0100 | R.P.P.    |
| 6   | 90°*4 "O" RING          | 5002 9004 | N.R.      |
| 7   | FIXING NUT              | 2506 0100 | R.P.A.    |
| 8   | FILTER ELEMENT          | 2110 1___ |           |
| 9   | SPINE                   | 2502 0100 | R.P.P.    |
| 10  | DISC SET                | 2010 1___ | P.P.      |
| 11  | RING RETAINING DISC     | 2507 0102 | PBT       |
| 12  | COVER COMPLEX           | 2202 0013 |           |
| 13  | 1" SHORT COVER          | 2501 0100 | R.P.A.    |
| 14  | FILTER SPRING           | 5044 0010 | S.S.      |
| 15  | 1/4" TAP                | 5054 0008 | BRASS     |
| 16  | 1" FILTER WRENCH        | 2530 0115 | R.P.A.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) S.S. - STAINLESS STEEL
- 5) N.R. - NITRILE RUBBER



# 1 1/2" Super

## Manual Disc Filter

### Features

- Precise disc filtration
- Durable filter element
- All plastic-corrosion free



### Technical Data

|                         | METRIC                | US                      |
|-------------------------|-----------------------|-------------------------|
| Connection diameter     | mm 40                 | in 1 1/2                |
| Filtration surface area | cm <sup>2</sup> 501.8 | in <sup>2</sup> 77.78   |
| Filtration volume       | cm <sup>3</sup> 592   | in <sup>3</sup> 36 3/32 |
| Pressure rating         | bar 10                | psi 145                 |
| Max. temp.              | °C 70                 | °F 158                  |

### Maximum Filtration Flow Rate / Water Quality

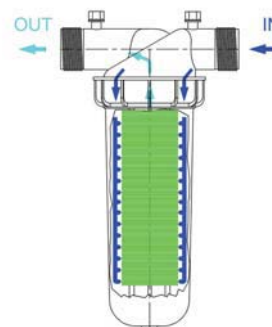
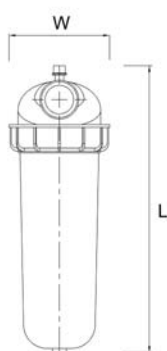
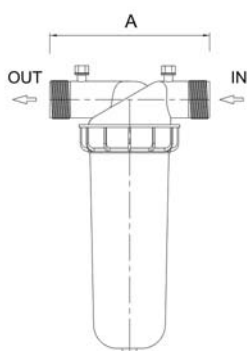
| Filtration Grade | Water Quality | m <sup>3</sup> /h | gpm |
|------------------|---------------|-------------------|-----|
| 400-130 µ        | Good          | 12                | 53  |
|                  | Average       | 9                 | 40  |
| 55 µ             | Good          | 8.4               | 37  |
|                  | Average       | 6.3               | 28  |

# 1½" Super

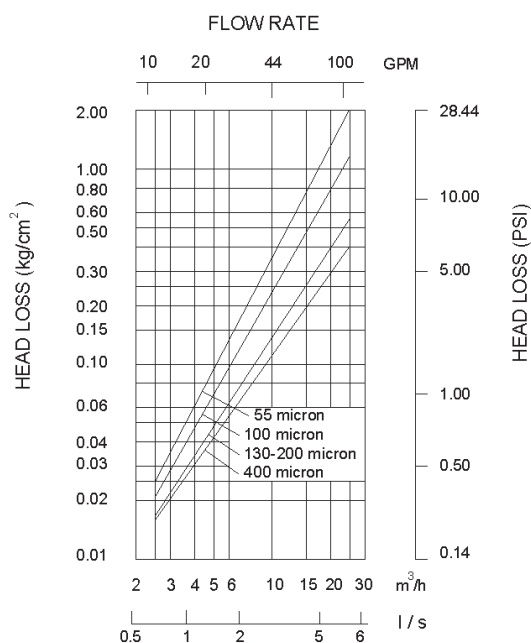
Manual Disc Filter

## Dimensions and Weights

|                           |    |      |      |          |
|---------------------------|----|------|------|----------|
| D Inlet\Outlet diameter   | mm | 40   | inch | 1 ½      |
| L Length                  | mm | 350  | inch | 13 25/32 |
| W Width                   | mm | 130  | inch | 5 3/32   |
| A                         | mm | 200  | inch | 7 7/8    |
| Shipping weight (approx.) | kg | 1.51 | lbs  | 3.32     |



## Head Loss Chart, Clean State



1½" Super is available in:  
Polyamide or Polypropylene.

# ARKAL 1 1/2" SUPER FILTER

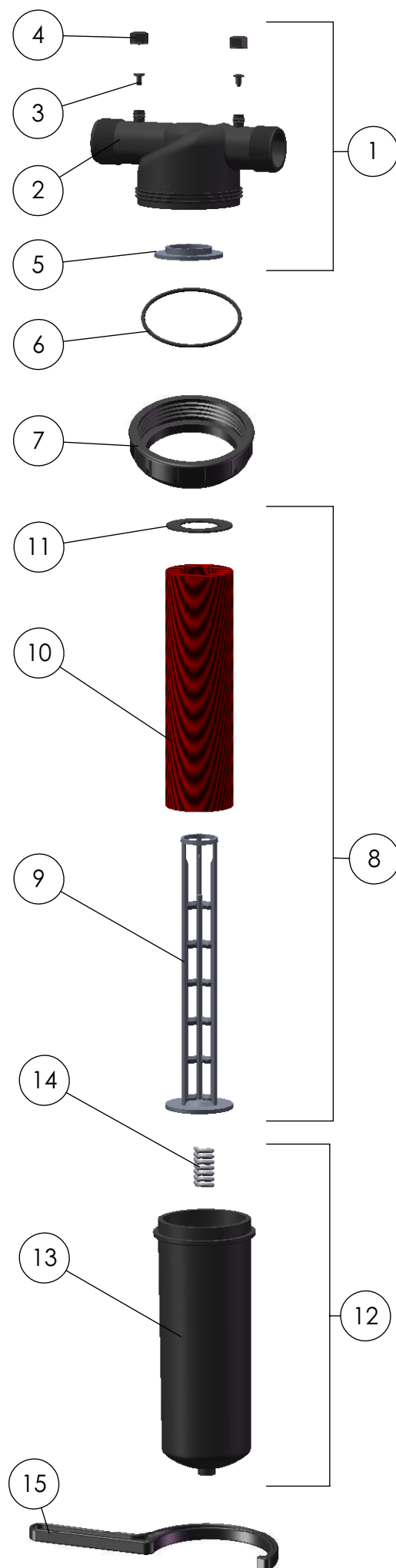
Cat. no. 1152 0\_\_\_  
1154 0\_\_\_

## PARTS LIST

| No. | DESCRIPTION             | CAT. No   | MATERIALS |
|-----|-------------------------|-----------|-----------|
| 1   | FILTER BODY COMPLEX BSP | 2208 0003 |           |
|     | FILTER BODY COMPLEX NPT | 2208 0004 |           |
| 2   | FILTER BODY BSP         | 2500 0150 | R.P.A.    |
|     | FILTER BODY NPT         | 2500 0151 | R.P.A.    |
| 3   | GAUGE PORTS SEAL        | 5006 0004 | EPDM      |
| 4   | GAUGE PORTS NUT         | 2511 0103 | R.P.P.    |
| 5   | FILTER ADAPTER RING     | 2507 0100 | R.P.P.    |
| 6   | 90° 4 "O" RING          | 5002 9004 | N.R.      |
| 7   | FIXING NUT              | 2506 0100 | R.P.A.    |
| 8   | FILTER ELEMENT          | 2112 1___ |           |
| 9   | SPINE                   | 2502 0111 | R.P.P.    |
| 10  | DISC SET                | 2012 1___ | P.P.      |
| 11  | RING RETAINING DISC     | 2507 0102 | PBT       |
| 12  | COVER COMPLEX           | 2202 0011 |           |
| 13  | 1" SUPER COVER          | 2501 0111 | R.P.A.    |
| 14  | FILTER SPRING           | 5044 0011 | S.S.      |
| 15  | 1" FILTER WRENCH        | 2530 0115 | R.P.A.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) S.S. - STAINLESS STEEL
- 5) N.R. - NITRILE RUBBER



# ARKAL 1 1/2" SUPER FILTER

Cat. no. 1152 2\_\_ WITH CAP

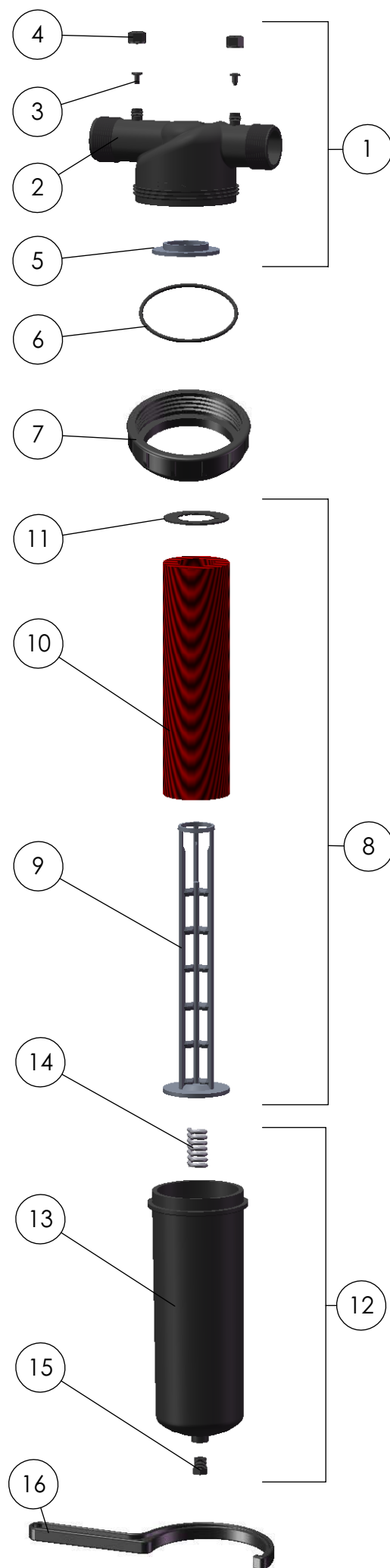
1154 2\_\_ WITH CAP

## PARTS LIST

| No. | DESCRIPTION             | CAT. No   | MATERIALS |
|-----|-------------------------|-----------|-----------|
| 1   | FILTER BODY COMPLEX BSP | 2208 0003 |           |
|     | FILTER BODY COMPLEX NPT | 2208 0004 |           |
| 2   | FILTER BODY BSP         | 2500 0150 | R.P.A.    |
|     | FILTER BODY NPT         | 2500 0151 | R.P.A.    |
| 3   | GAUGE PORTS SEAL        | 5006 0004 | EPDM      |
| 4   | GAUGE PORTS NUT         | 2511 0103 | R.P.P.    |
| 5   | FILTER ADAPTER RING     | 2507 0100 | R.P.P.    |
| 6   | 90°*4 "O" RING          | 5002 9004 | N.R.      |
| 7   | FIXING NUT              | 2506 0100 | R.P.A.    |
| 8   | FILTER ELEMENT          | 2112 1__  |           |
| 9   | SPINE                   | 2502 0111 | R.P.P.    |
| 10  | DISC SET                | 2012 1__  | P.P.      |
| 11  | RING RETAINING DISC     | 2507 0102 | PBT       |
| 12  | COVER COMPLEX           | 2202 0018 |           |
| 13  | 1" SUPER COVER          | 2501 0111 | R.P.A.    |
| 14  | FILTER SPRING           | 5044 0011 | S.S.      |
| 15  | 1/4" TEFEN PLUG         | 5078 0104 | P.E.      |
| 16  | 1" FILTER WRENCH        | 2530 0115 | R.P.A.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) S.S. - STAINLESS STEEL
- 5) N.R. - NITRILE RUBBER



# ARKAL 1 1/2" SUPER FILTER

Cat. no. 1152 1\_\_\_ WITH TAP

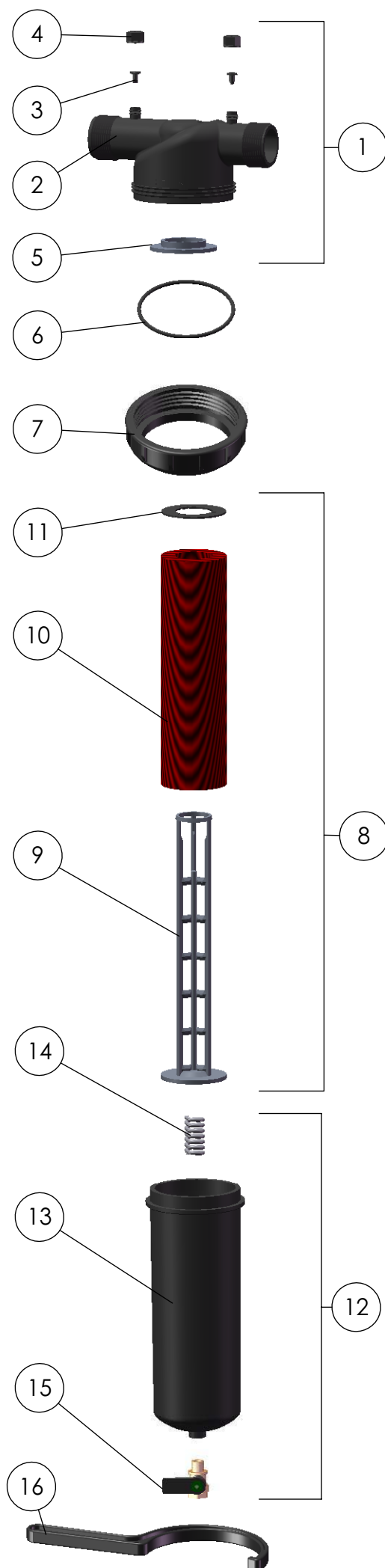
1154 1\_\_\_ WITH TAP

## PARTS LIST

| No. | DESCRIPTION             | CAT. No   | MATERIALS |
|-----|-------------------------|-----------|-----------|
| 1   | FILTER BODY COMPLEX BSP | 2208 0003 |           |
|     | FILTER BODY COMPLEX NPT | 2208 0004 |           |
| 2   | FILTER BODY BSP         | 2500 0150 | R.P.A.    |
|     | FILTER BODY NPT         | 2500 0151 | R.P.A.    |
| 3   | GAUGE PORTS SEAL        | 5006 0004 | EPDM      |
| 4   | GAUGE PORTS NUT         | 2511 0103 | R.P.P.    |
| 5   | FILTER ADAPTER RING     | 2507 0100 | R.P.P.    |
| 6   | 90°*4 "O" RING          | 5002 9004 | N.R.      |
| 7   | FIXING NUT              | 2506 0100 | R.P.A.    |
| 8   | FILTER ELEMENT          | 2112 1___ |           |
| 9   | SPINE                   | 2502 0111 | R.P.P.    |
| 10  | DISC SET                | 2012 1___ | P.P.      |
| 11  | RING RETAINING DISC     | 2507 0102 | PBT       |
| 12  | COVER COMPLEX           | 2202 0012 |           |
| 13  | 1" SUPER COVER          | 2501 0111 | R.P.A.    |
| 14  | FILTER SPRING           | 5044 0011 | S.S.      |
| 15  | 1/4" TAP                | 5054 0008 | BRASS     |
| 16  | 1" FILTER WRENCH        | 2530 0115 | R.P.A.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) S.S. - STAINLESS STEEL
- 5) N.R. - NITRILE RUBBER





# Arkal 2" Dual Lite Filter (detachable spine)

Catalog No. 1205 3 \_ \_ \_

## Features

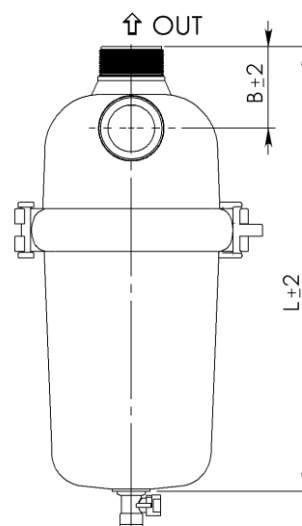
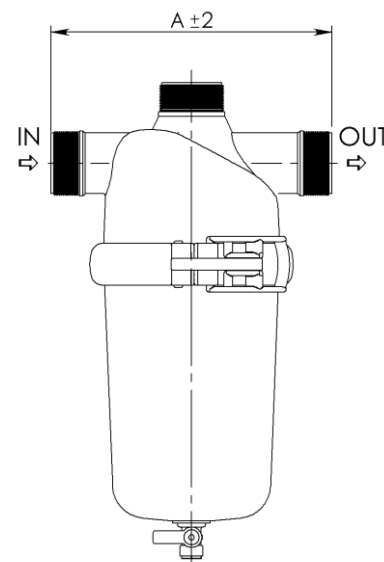
- Two outlets options – inline or angle
- Highly resistant to corrosion
- Detachable spine
- Pressure differential disc compression
- Adapts to horizontal or vertical installation
- Available in various filtration grades



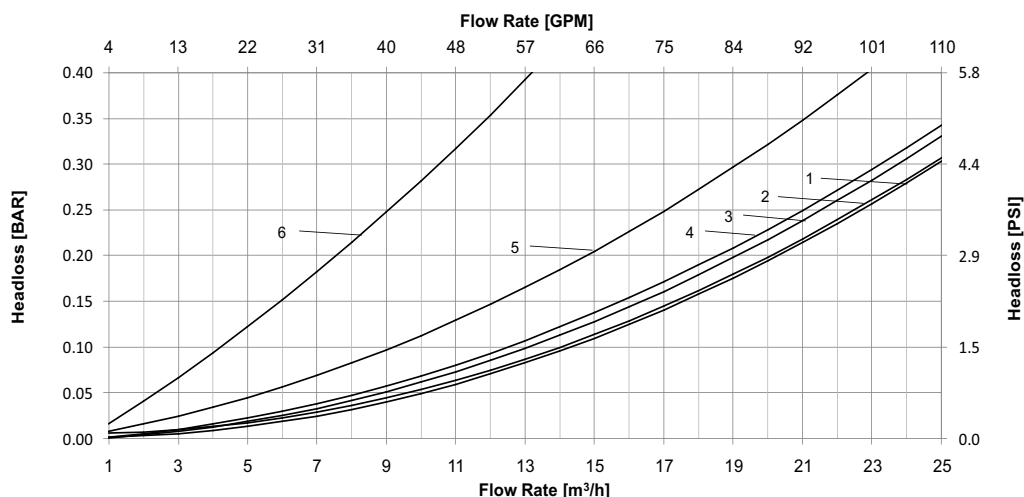
## Technical Data

| Inlet/Outlet diameter         | 2" Male Threads                          |                             |
|-------------------------------|------------------------------------------|-----------------------------|
| Max. Pressure                 | 8bar                                     | 116psi                      |
| Max. Flow rate 400-100 micron | $\leq 25\text{m}^3/\text{h}$ (6.9 l/sec) | $\leq 110\text{gpm}$        |
| 55 micron                     | $\leq 16\text{m}^3/\text{h}$ (4.4 l/sec) | $\leq 70\text{gpm}$         |
| 20 micron                     | $\leq 8\text{m}^3/\text{h}$ (2.2 l/sec)  | $\leq 35\text{gpm}$         |
| Filtration area               | 950 cm <sup>2</sup>                      | 147 in <sup>2</sup>         |
| Filtration volume             | 1225 cm <sup>3</sup>                     | 75.7 in <sup>3</sup>        |
| Filter length L               | 416mm                                    | 16.37inch                   |
| Filter width A                | 260mm                                    | 10.23inch                   |
| Distance between connections  | A. 260mm<br>B. 75mm                      | A. 10.23inch<br>B. 2.95inch |
| Weight                        | 3Kg                                      | 6.6lbs                      |
| Maximum temperature *         | 60° C                                    | 140° F                      |
| pH                            | 2-13                                     |                             |

\* Work pressure and pH resistance reduced at elevated temperature.



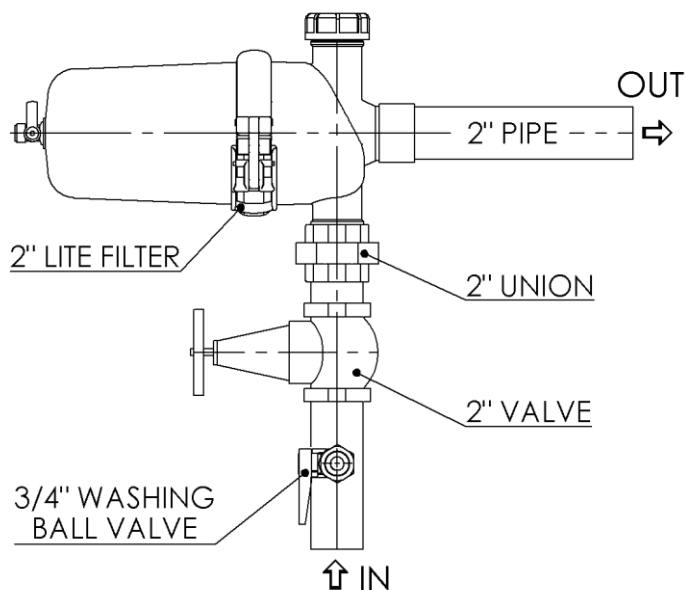
## Headloss Chart



### Filtration Grades

- 1 - Blue (400 micron / 40 mesh)
- 2 - Yellow (200 micron / 80 mesh)
- 3 - Red (130 micron / 120 mesh)
- 4 - Black (100 micron / 140 mesh)
- 5 - Green (55 micron)
- 6 - Grey (20 micron)

## Typical Recommended Installation



## Dismantling

1. Turn off the water.
2. Release the pressure through the drainage ball valve.
3. Open the filter clamp and remove the cover.
4. Unscrew and remove the filter element.
5. Wash the filter element.
6. If the filter discs require acid treatment you may dip the complete filter element in acid according to our recommendation.

## Winterization:

To prevent filter damage due to freezing water - drain all the water from the filter and leave the drain valve open.

## Part List

| No. | Cat. No.    | Description               | Materials |
|-----|-------------|---------------------------|-----------|
| 1   | 2511 0200   | 2" Cap                    | R.PA      |
| 2   | 2212 0002   | Filter body               | PP        |
| 3   | 2507 0203   | Spine extension           | PP        |
| 4   | 2021 1_ _ _ | Disc set                  | PP        |
| 5   | 2502 0202   | Spine body                | PP        |
| 6   | 2126 1_ _ _ | Filtration element        | PP        |
| 7   | 2253 0235   | Clamp                     | R.PA      |
| 8   | 5003 2361   | O-ring 2-361(151.77x5.33) | EPDM      |
| 9   | 2501 0202   | Filter cover              | PP        |
| 10  | 5054 0212   | 1/2" ball valve           | BRASS     |

## Materials

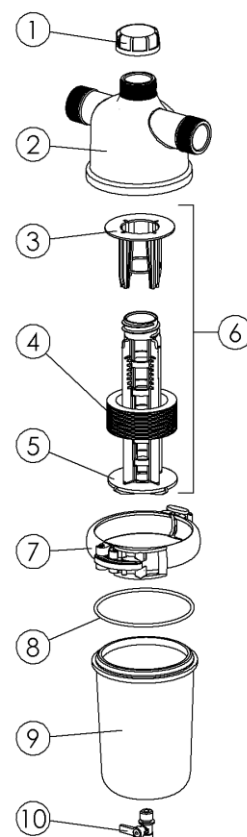
PP - POLYPROPYLENE

R.PA - REINFORCED POLYAMIDE

**Note:** This filter is equipped with a pressure safety device. If pressure exceeds the maximum work pressure, the seal will act as a pressure release element. If such occurs, please open the clamp, place the seal on the cover and reassemble.

## Assembly

1. Place the spine, turn clockwise until secure. Verify that the spine is tightened in place.
2. Place the cover and attach the clamp. Verify that the clamp is securely locked.



# ARKAL 2" LITE FILTER

Cat. no. 1205 2\_\_\_ WITH PLUG

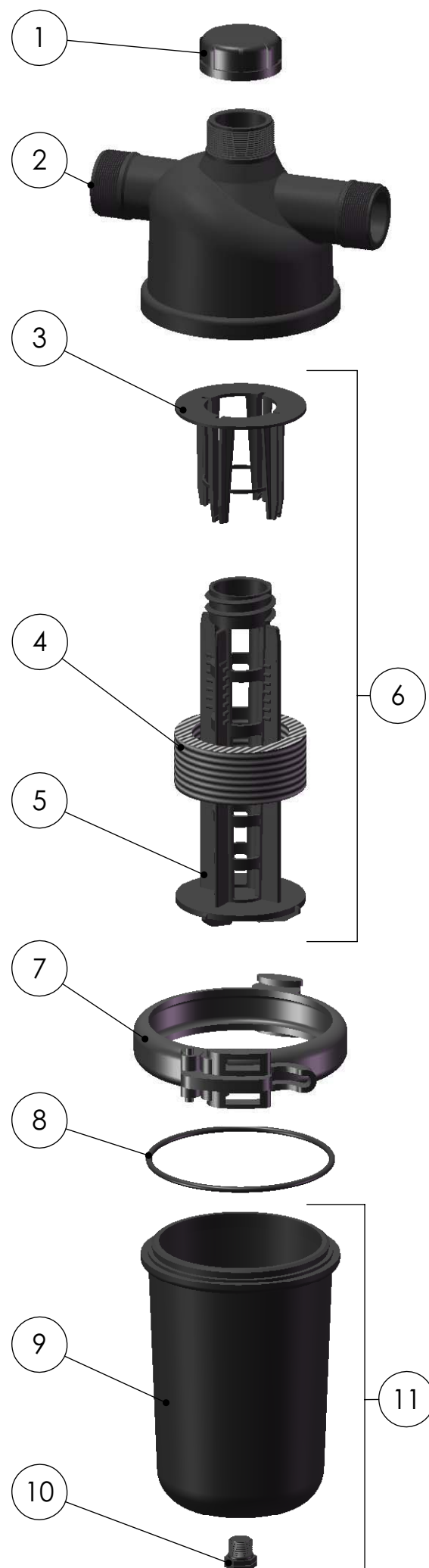
## PARTS LIST

| No. | DESCRIPTION                    | CAT. No   | MATERIALS |
|-----|--------------------------------|-----------|-----------|
| 1   | 2" CAP                         | 2511 0200 | R.P.A.    |
| 2   | FILTER BODY                    | 2212 0002 | P.P.      |
| 3   | SPINE EXTENSION                | 2507 0203 | P.P.      |
| 4   | DISC SET                       | 2021 1___ | P.P.      |
| 5   | SPINE BODY                     | 2502 0202 | P.P.      |
| 6   | FILTRATION ELEMENT             | 2121 1___ |           |
| 7   | CLAMP                          | 2253 0235 | R.P.A     |
| 8   | "O" RING 2-361 (151.765x5.334) | 5003 2361 | EPDM      |
| 9   | FILTER COVER                   | 2202 0232 | P.P.      |
| 10  | 1/2" PLUG                      | 5019 0112 | P.P.      |
| 11  | COVER COMPLETE                 | 2202 0234 |           |

## MATERIALS:

1) P.P - POLYPROPYLENE

2) R.P.A. - REINFORCED POLYAMIDE



# ARKAL 2" LITE FILTER

Cat. no. 1205 3\_\_\_ WITH TAP

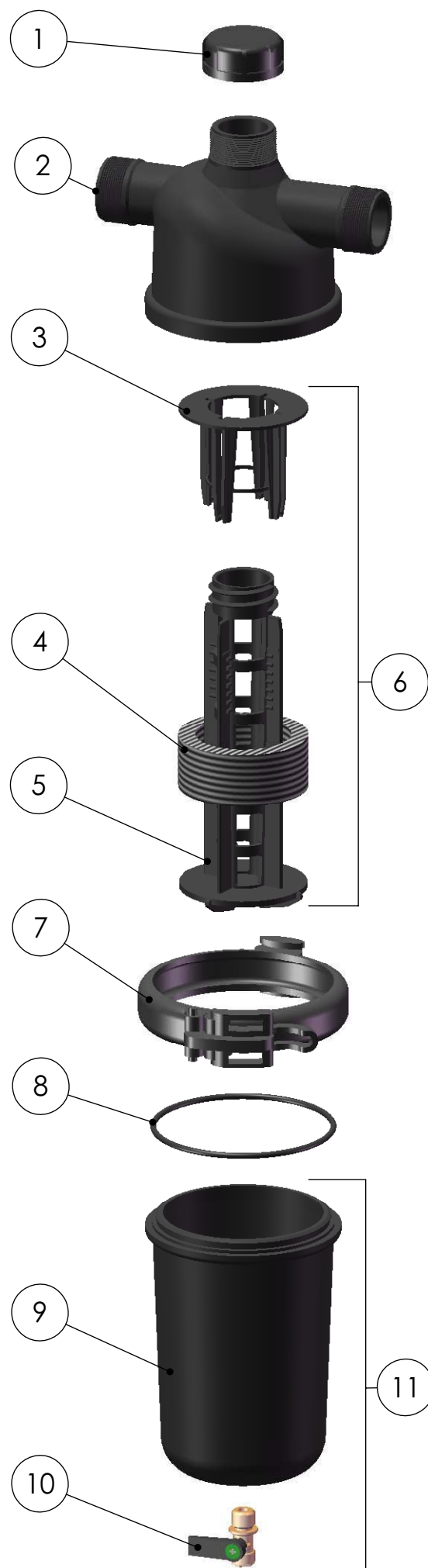
## PARTS LIST

| No. | DESCRIPTION                    | CAT. No   | MATERIALS |
|-----|--------------------------------|-----------|-----------|
| 1   | 2" CAP                         | 2511 0200 | R.P.A.    |
| 2   | FILTER BODY                    | 2212 0002 | P.P.      |
| 3   | SPINE EXTENSION                | 2507 0203 | P.P.      |
| 4   | DISC SET                       | 2021 1___ | P.P.      |
| 5   | SPINE BODY                     | 2502 0202 | P.P.      |
| 6   | FILTRATION ELEMENT             | 2121 1___ |           |
| 7   | CLAMP                          | 2253 0235 | R.P.A     |
| 8   | "O" RING 2-361 (151.765x5.334) | 5003 2361 | EPDM      |
| 9   | FILTER COVER                   | 2202 0232 | P.P.      |
| 10  | 1/2" TAP                       | 5054 0212 | BRASS     |
| 11  | COVER COMPLETE                 | 2202 0235 |           |

## MATERIALS:

1) P.P - POLYPROPYLENE

2) R.P.A. - REINFORCED POLYAMIDE



# ARKAL 2" LITE FILTER

Cat. no. 1207 1\_\_\_ WITH TAP

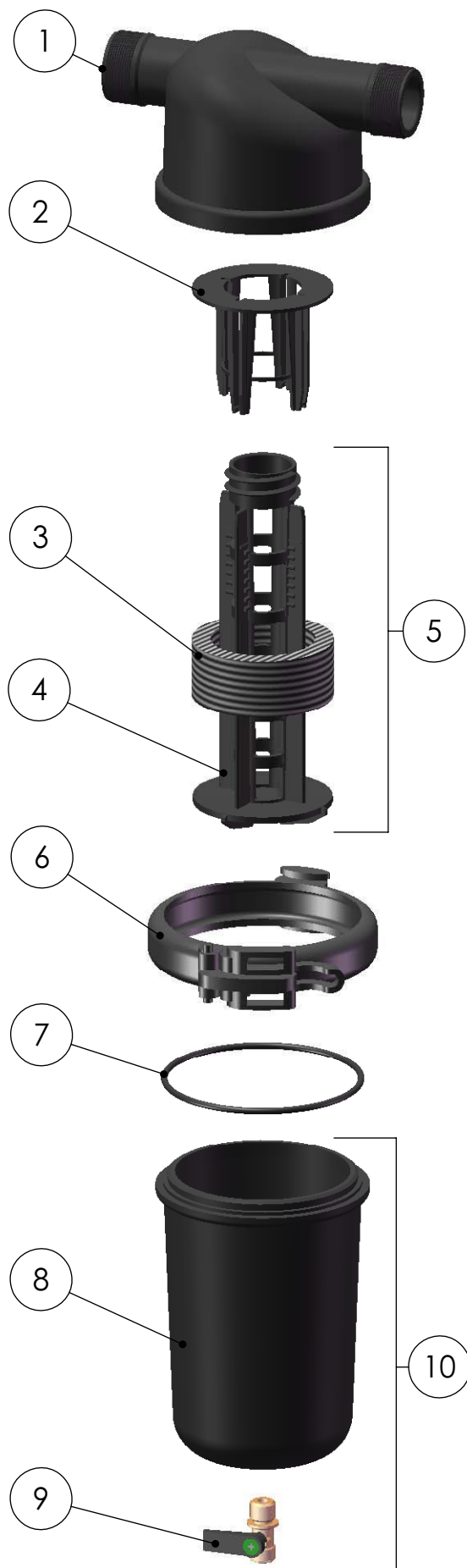
## PARTS LIST

| No. | DESCRIPTION                    | CAT. No   | MATERIALS |
|-----|--------------------------------|-----------|-----------|
| 1   | FILTER BODY                    | 2212 0005 | P.P.      |
| 2   | SPINE EXTENSION                | 2507 0203 | P.P.      |
| 3   | DISC SET                       | 2021 1___ | P.P.      |
| 4   | SPINE BODY                     | 2502 0202 | P.P.      |
| 5   | FILTRATION ELEMENT             | 2126 1___ |           |
| 6   | CLAMP                          | 2253 0235 | R.P.A     |
| 7   | "O" RING 2-361 (151.765x5.334) | 5003 2361 | EPDM      |
| 8   | FILTER COVER                   | 2202 0232 | P.P.      |
| 9   | 1/2" TAP                       | 5054 0212 | BRASS     |
| 10  | COVER COMPLETE                 | 2202 0235 |           |

## MATERIALS:

1) P.P - POLYPROPYLENE

2) R.P.A. - REINFORCED POLYAMIDE



# ARKAL 2" LITE FILTER

Cat. no. 1207 2\_\_\_ WITH PLUG

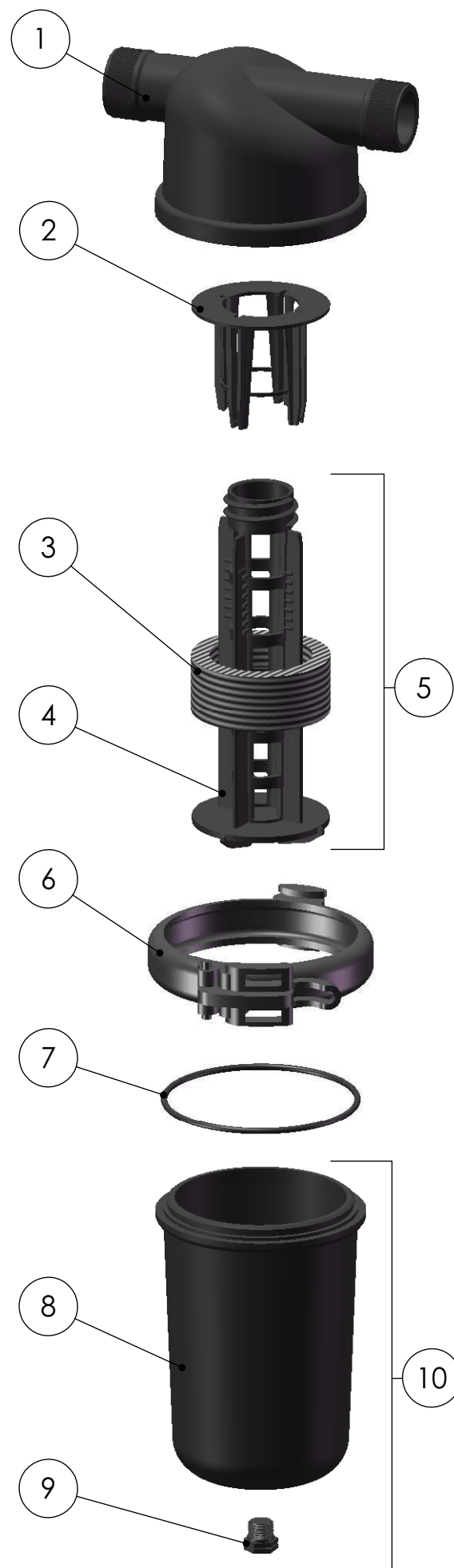
## PARTS LIST

| No. | DESCRIPTION                    | CAT. No   | MATERIALS |
|-----|--------------------------------|-----------|-----------|
| 1   | FILTER BODY                    | 2212 0005 | P.P.      |
| 2   | SPINE EXTENSION                | 2507 0203 | P.P.      |
| 3   | DISC SET                       | 2021 1___ | P.P.      |
| 4   | SPINE BODY                     | 2502 0202 | P.P.      |
| 5   | FILTRATION ELEMENT             | 2126 1___ |           |
| 6   | CLAMP                          | 2253 0235 | R.P.A     |
| 7   | "O" RING 2-361 (151.765x5.334) | 5003 2361 | EPDM      |
| 8   | FILTER COVER                   | 2202 0232 | P.P.      |
| 9   | 1/2" PLUG                      | 5019 0112 | P.P.      |
| 10  | COVER COMPLETE                 | 2202 0234 |           |

## MATERIALS:

1) P.P - POLYPROPYLENE

2) R.P.A. - REINFORCED POLYAMIDE



# 2" Dual

## Manual Disc Filter

### Features

- Precise disc filtration
- High flow capacity
- Durable filter element
- All plastic-corrosion free



### Technical Data

|                         | METRIC                | US                  |
|-------------------------|-----------------------|---------------------|
| Connection diameter     | mm 50                 | in 2                |
| Filtration surface area | cm <sup>2</sup> 950   | in <sup>2</sup> 148 |
| Filtration volume       | cm <sup>3</sup> 1,225 | in <sup>3</sup> 75  |
| Pressure rating         | bar 12                | psi 168             |
| Max. temp.              | °C 70                 | °F 158              |

### Maximum Filtration Flow Rate / Water Quality

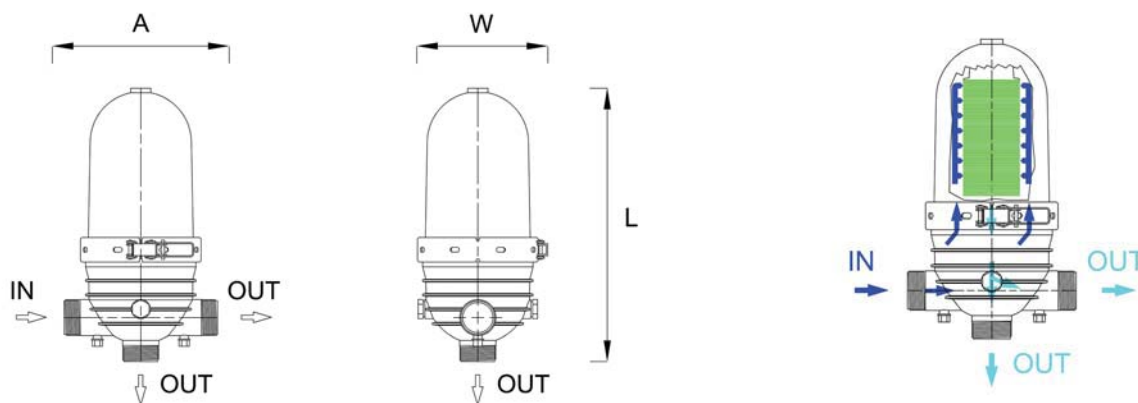
| Filtration Grade | Water Quality | m <sup>3</sup> /h | gpm  |
|------------------|---------------|-------------------|------|
| 400-130 µ        | Good          | 25                | 110  |
|                  | Average       | 18.75             | 82.5 |
| 55 µ             | Good          | 17.5              | 77   |
|                  | Average       | 13.1              | 58   |
| 20 µ             | Good          | 12.5              | 55   |
|                  | Average       | 9.37              | 41   |

# 2" Dual

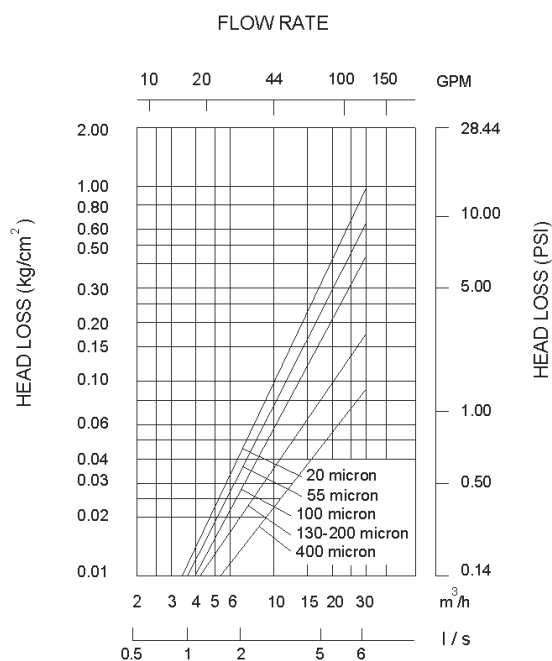
## Manual Disc Filter

### Dimensions and Weights

|                           |    |     |      |                                 |
|---------------------------|----|-----|------|---------------------------------|
| D Inlet\Outlet diameter   | mm | 50  | inch | 2                               |
| L Length                  | mm | 465 | inch | 18 <sup>5</sup> / <sub>16</sub> |
| W Width                   | mm | 200 | inch | 7 <sup>7</sup> / <sub>8</sub>   |
| A                         | mm | 260 | inch | 10 <sup>1</sup> / <sub>4</sub>  |
| Shipping weight (approx.) | kg | 5   | lbs  | 11                              |



### Head Loss Chart, Clean State



**2" Dual is available in:**  
Polyamide or Polysulfon.



# ARKAL 2" DUAL FILTER

WITH A DETACHABLE SPINE

Cat. no. 1204 0\_\_ (BSP)

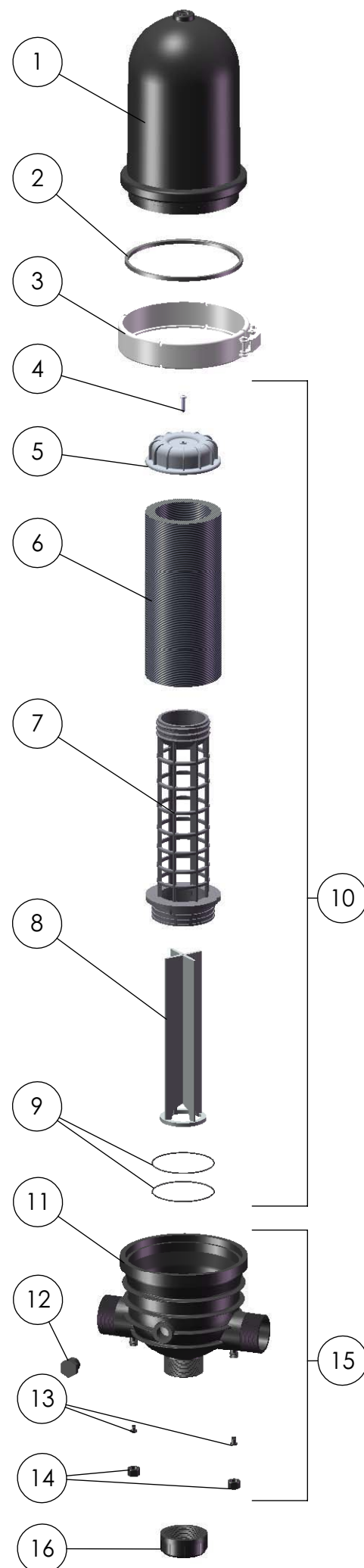
1204 8\_\_ (NPT)

## PARTS LIST

| No. | DESCRIPTION                    | CAT. No   | MATERIALS |
|-----|--------------------------------|-----------|-----------|
| 1   | 2-3" FILTER COVER W/O STOPE    | 2501 0210 | R.P.A.    |
|     | 2-3" TRANSPARENT COVER W/STOP. | 2202 0020 | P.C.      |
| 2   | COVER SEAL                     | 5005 0002 | EPDM      |
| 3   | CLAMP                          | 5042 0030 | S.S.      |
| 4   | FASTNING BOLT                  | 5040 1010 | S.S.      |
| 5   | FIXING NUT                     | 2506 0211 | R.P.P.    |
| 6   | DISC SET                       | 2021 1__  | P.P.      |
| 7   | SPINE                          | 2502 0212 | R.P.P.    |
| 8   | SPINE EXTENSION                | 2502 0214 | P.P.      |
| 9   | O RING 2-238                   | 5003 2238 | EPDM      |
| 10  | FILTER ELEMENT                 | 2121 1__  |           |
| 11  | FILTER BODY BSP                | 2500 0204 | R.P.A.    |
|     | FILTER BODY NPT                | 2500 0205 | R.P.A.    |
| 12  | 1/2" CAP THREAD                | 5019 0112 | P.P.      |
| 13  | GAUGE PORTS SEAL               | 5006 0004 | EPDM      |
| 14  | GAUGE PORTS NUT                | 2511 0103 | R.P.P.    |
| 15  | FILTER BODY COMPLEX BSP        | 2204 0001 |           |
|     | FILTER BODY COMPLEX NPT        | 2204 0002 |           |
| 16  | 2" CAP                         | 2511 0200 | R.P.A.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) P.C. - POLYCARBOTANE



# ARKAL 2" DUAL FILTER

WITH A DETACHABLE SPINE

Cat. no. 1204 3\_\_\_ WITH TAP (BSP)

1204 7\_\_\_ WITH TAP(NPT)

## PARTS LIST

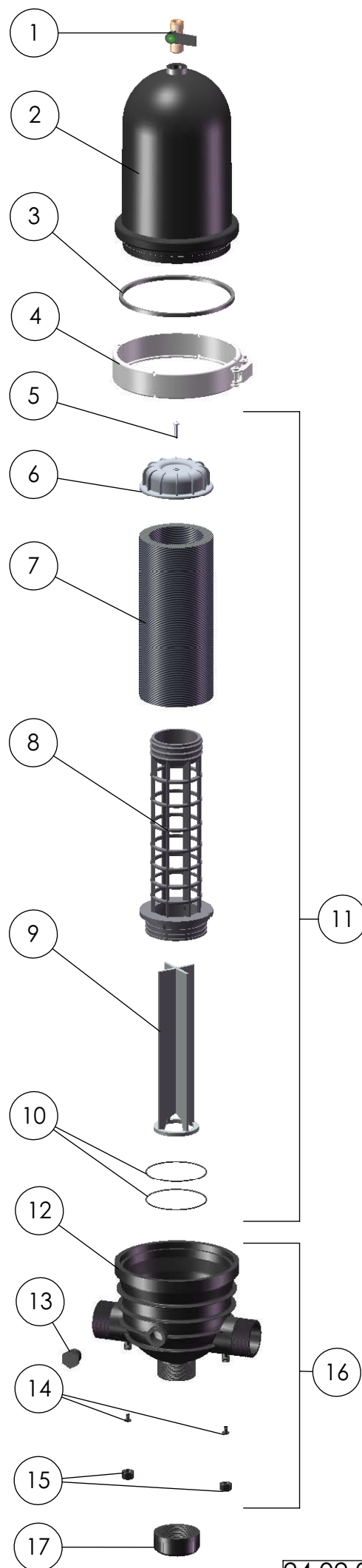
| No. | DESCRIPTION                     | CAT. No   | MATERIALS |
|-----|---------------------------------|-----------|-----------|
| 1   | 1/2-1/4" TAP                    | 5054 0212 | BRASS     |
| 2   | 2" FILTER COVER WITH 1/2"THREAD | 2202 0020 | R.P.A.    |
| 3   | COVER SEAL                      | 5005 0002 | EPDM      |
| 4   | CLAMP                           | 5042 0030 | S.S.      |
| 5   | FASTNING BOLT                   | 5040 1010 | S.S.      |
| 6   | FIXING NUT                      | 2506 0211 | R.P.P.    |
| 7   | DISC SET                        | 2021 1___ | P.P.      |
| 8   | SPINE                           | 2502 0212 | R.P.P.    |
| 9   | SPINE EXTENSION                 | 2502 0214 | P.P.      |
| 10  | O RING 2-238                    | 5003 2238 | EPDM      |
| 11  | FILTER ELEMENT                  | 2121 1___ |           |
| 12  | FILTER BODY BSP                 | 2500 0204 | R.P.A.    |
|     | FILTER BODY NPT                 | 2500 0205 | R.P.A.    |
| 13  | 1/2" CAP THREAD                 | 5019 0112 | P.P.      |
| 14  | GAUGE PORTS SEAL                | 5006 0004 | EPDM      |
| 15  | GAUGE PORTS NUT                 | 2511 0103 | R.P.P.    |
| 16  | FILTER BODY COMPLEX BSP         | 2204 0001 |           |
|     | FILTER BODY COMPLEX NPT         | 2204 0002 |           |
| 17  | 2" CAP                          | 2511 0200 | R.P.A.    |

## MATERIALS:

1) P.P - POLYPROPYLENE

2) R.P.A. - REINFORCED POLYAMIDE

3) R.P.P. - REINFORCED POLYPROPYLENE



# 2" Super

## Manual Disc Filter

### Features

- Precise disc filtration
- High flow capacity
- Durable filter element
- All plastic-corrosion free



### Technical Data

|                         | METRIC                | US                  |
|-------------------------|-----------------------|---------------------|
| Connection diameter     | mm 50                 | in 2                |
| Filtration surface area | cm <sup>2</sup> 950   | in <sup>2</sup> 148 |
| Filtration volume       | cm <sup>3</sup> 1,225 | in <sup>3</sup> 75  |
| Pressure rating         | bar 10                | psi 145             |
| Max. temp.              | °C 70                 | °F 158              |

### Maximum Filtration Flow Rate / Water Quality

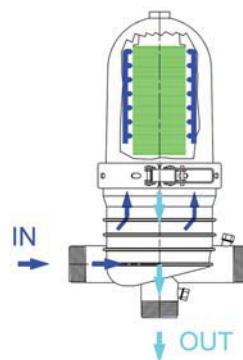
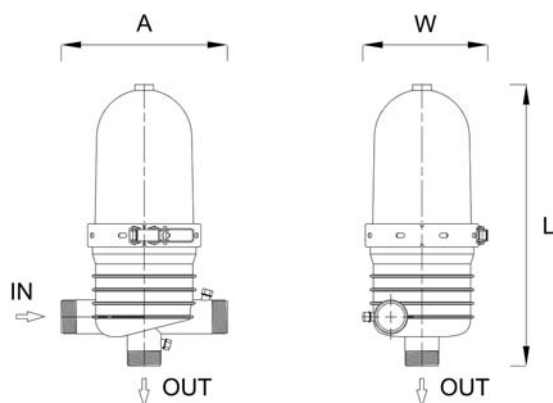
| Filtration Grade | Water Quality | m <sup>3</sup> /h | gpm  |
|------------------|---------------|-------------------|------|
| 400-130 µ        | Good          | 25                | 110  |
|                  | Average       | 18.75             | 82.5 |
| 55 µ             | Good          | 17.5              | 77   |
|                  | Average       | 13.1              | 58   |
| 20 µ             | Good          | 12.5              | 55   |
|                  | Average       | 9.37              | 41   |

# 2" Super

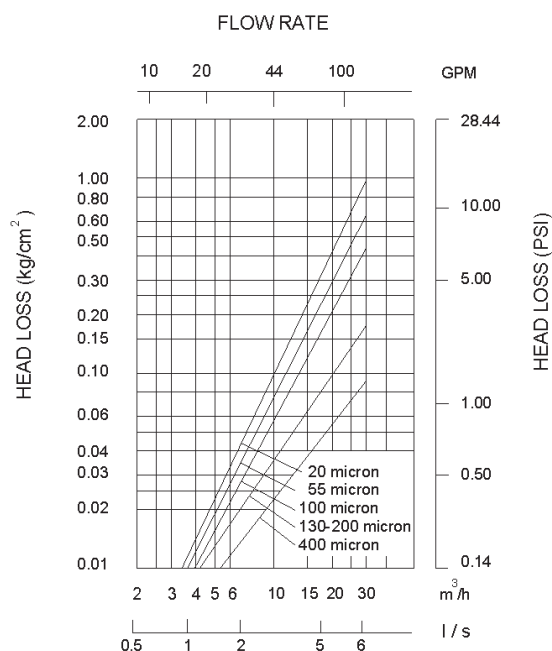
Manual Disc Filter

## Dimensions and Weights

|                           |    |     |      |          |
|---------------------------|----|-----|------|----------|
| D Inlet\Outlet diameter   | mm | 50  | inch | 2        |
| L Length                  | mm | 495 | inch | 19 1/2   |
| W Width                   | mm | 200 | inch | 7 7/8    |
| A                         | mm | 290 | inch | 11 13/32 |
| Shipping weight (approx.) | kg | 6   | lbs  | 13.2     |



## Head Loss Chart, Clean State



**2" Super is available in:**  
Polyamide.

# ARKAL 2" SUPER FILTER

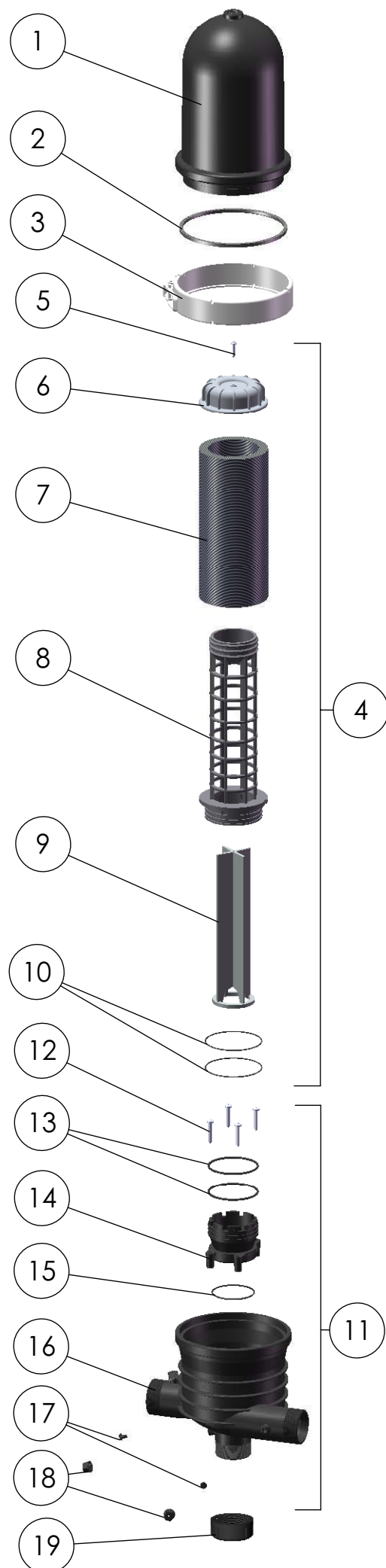
Cat. no. 1212 0\_\_ STANDARD

## PARTS LIST

| No. | DESCRIPTION         | CAT. No   | MATERIALS |
|-----|---------------------|-----------|-----------|
| 1   | FILTER COVER        | 2501 0210 | R.P.A.    |
| 2   | TRANSPARENT COVER   | 2501 9220 | P.C.      |
| 2   | COVER SEAL          | 5005 0002 | EPDM      |
| 3   | CLAMP               | 5042 0030 | S.S.      |
| 4   | FILTER ELEMENT      | 2121 1__  |           |
| 5   | FASTNING BOLT       | 5040 1010 | S.S.      |
| 6   | FIXING NUT          | 2506 0211 | R.P.P.    |
| 7   | DISC SET            | 2021 1__  | P.P.      |
| 8   | SPINE               | 2502 0212 | R.P.P.    |
| 9   | SPINE EXTENSION     | 2502 0214 | P.P.      |
| 10  | "O" RING 2*238      | 5003 2238 | EPDM      |
| 11  | FILTER BODY COMPLEX | 2222 0002 |           |
| 12  | FASTENING BOLTS     | 5040 1027 | S.S.      |
| 13  | "O" RING 2-234      | 5003 2234 | EPDM      |
| 14  | SPINE BASE          | 2503 0210 | R.P.P.    |
| 15  | "O" RING 2-146      | 5003 2146 | EPDM      |
| 16  | FILTER BODY BSP     | 2500 0210 | R.P.A.    |
| 17  | GAUGE PORTS SEAL    | 5006 0004 | EPDM      |
| 18  | GAUGE PORTS NUT     | 2511 0103 | R.P.P.    |
| 19  | 2" CAP              | 2511 0200 | R.P.A.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) P.C. - POLYCARBONATE



# ARKAL 2" SUPER FILTER

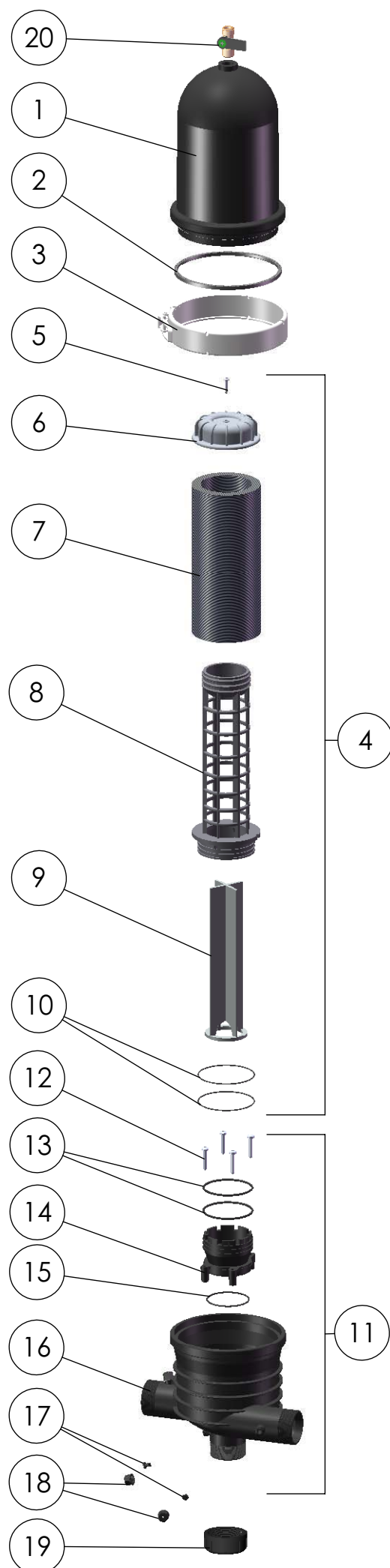
Cat. no. 1212 3\_\_\_ WITH TAP

## PARTS LIST

| No. | DESCRIPTION         | CAT. No   | MATERIALS |
|-----|---------------------|-----------|-----------|
| 1   | FILTER COVER        | 2202 0020 | R.P.A.    |
|     | TRANSPARENT COVER   | 2501 9220 | P.C.      |
| 2   | COVER SEAL          | 5005 0002 | EPDM      |
| 3   | CLAMP               | 5042 0030 | S.S.      |
| 4   | FILTER ELEMENT      | 2121 1___ |           |
| 5   | FASTNING BOLT       | 5040 1010 | S.S.      |
| 6   | FIXING NUT          | 2506 0211 | R.P.P.    |
| 7   | DISC SET            | 2021 1___ | P.P.      |
| 8   | SPINE               | 2502 0212 | R.P.P.    |
| 9   | SPINE EXTENSION     | 2502 0214 | P.P.      |
| 10  | "O" RING 2*238      | 5003 2238 | EPDM      |
| 11  | FILTER BODY COMPLEX | 2222 0002 |           |
| 12  | FASTENING BOLTS     | 5040 1027 | S.S.      |
| 13  | "O" RING 2-234      | 5003 2234 | EPDM      |
| 14  | SPINE BASE          | 2503 0210 | R.P.P.    |
| 15  | "O" RING 2-146      | 5003 2146 | EPDM      |
| 16  | FILTER BODY BSP     | 2500 0210 | R.P.A.    |
| 17  | GAUGE PORTS SEAL    | 5006 0004 | EPDM      |
| 18  | GAUGE PORTS NUT     | 2511 0103 | R.P.P.    |
| 19  | 2" CAP              | 2511 0200 | R.P.A.    |
| 20  | 1/2" TAP            | 5054 0212 | BRASS     |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) P.C. - POLYCARBONATE



# ARKAL 2" SUPER FILTER

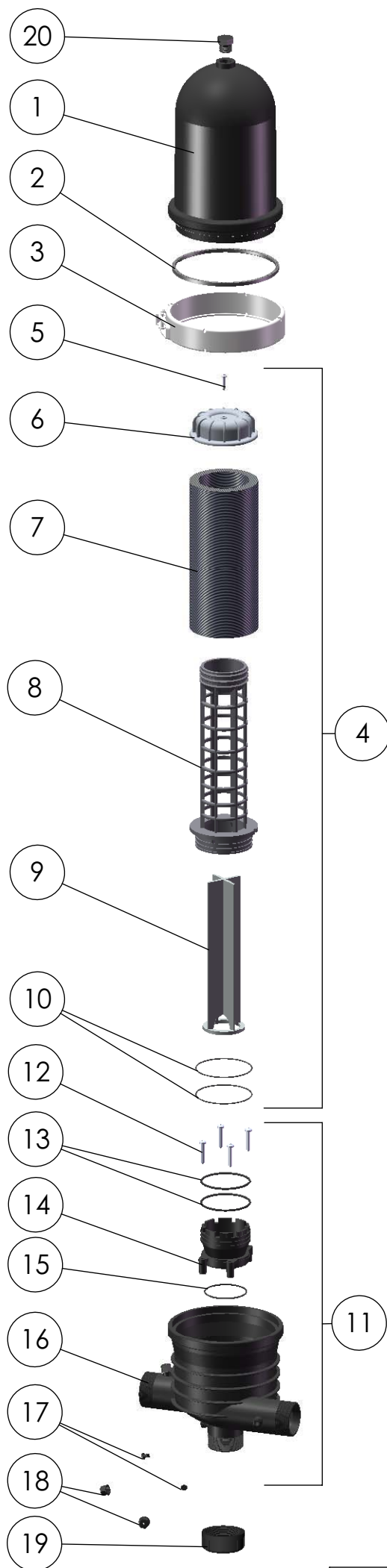
Cat. no. 1212 2\_\_\_ WITH PLUG

## PARTS LIST

| No. | DESCRIPTION         | CAT. No   | MATERIALS |
|-----|---------------------|-----------|-----------|
| 1   | FILTER COVER        | 2202 0020 | R.P.A.    |
| 2   | TRANSPARENT COVER   | 2501 9220 | P.C.      |
| 2   | COVER SEAL          | 5005 0002 | EPDM      |
| 3   | CLAMP               | 5042 0030 | S.S.      |
| 4   | FILTER ELEMENT      | 2121 1___ |           |
| 5   | FASTNING BOLT       | 5040 1010 | S.S.      |
| 6   | FIXING NUT          | 2506 0211 | R.P.P.    |
| 7   | DISC SET            | 2021 1___ | P.P.      |
| 8   | SPINE               | 2502 0212 | R.P.P.    |
| 9   | SPINE EXTENSION     | 2502 0214 | P.P.      |
| 10  | "O" RING 2*238      | 5003 2238 | EPDM      |
| 11  | FILTER BODY COMPLEX | 2222 0002 |           |
| 12  | FASTENING BOLTS     | 5040 1027 | S.S.      |
| 13  | "O" RING 2-234      | 5003 2234 | EPDM      |
| 14  | SPINE BASE          | 2503 0210 | R.P.P.    |
| 15  | "O" RING 2-146      | 5003 2146 | EPDM      |
| 16  | FILTER BODY BSP     | 2500 0210 | R.P.A.    |
| 17  | GAUGE PORTS SEAL    | 5006 0004 | EPDM      |
| 18  | GAUGE PORTS NUT     | 2511 0103 | R.P.P.    |
| 19  | 2" CAP              | 2511 0200 | R.P.A.    |
| 20  | 1/2" CAP            | 5019 0112 | P.P.      |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) P.C. - POLYCARBONATE



# 2" Leader

## Manual Disc Filter

### Features

- Durable filter element
- Corrosion free
- All Polypropylene
- Precise disc filtration



### Technical Data

|                         | METRIC                | US                  |
|-------------------------|-----------------------|---------------------|
| Connection diameter     | mm 50                 | in 2                |
| Filtration surface area | cm <sup>2</sup> 950   | in <sup>2</sup> 148 |
| Filtration volume       | cm <sup>3</sup> 1,225 | in <sup>3</sup> 75  |
| Pressure rating         | bar 10                | psi 145             |
| Max. temp.              | °C 70                 | °F 158              |

### Maximum Filtration Flow Rate / Water Quality

| Filtration Grade | Water Quality | m <sup>3</sup> /h | gpm  |
|------------------|---------------|-------------------|------|
| 400-130 µ        | Good          | 30                | 132  |
|                  | Average       | 21                | 92   |
| 55 µ             | Good          | 16                | 70.4 |
|                  | Average       | 11                | 48.5 |
| 20 µ             | Good          | 8                 | 35.2 |
|                  | Average       | 5                 | 22   |

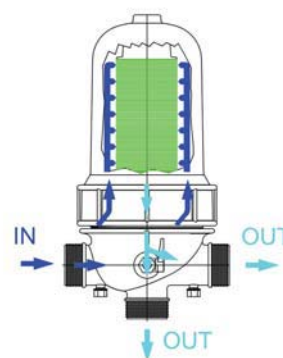
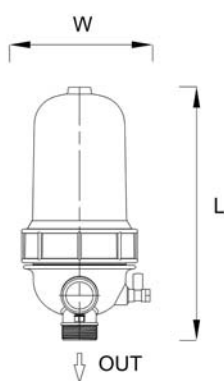
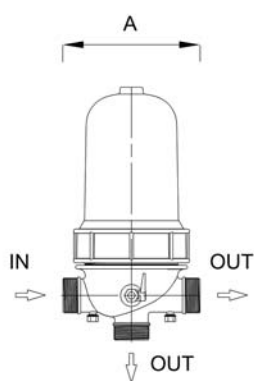


# 2" Leader

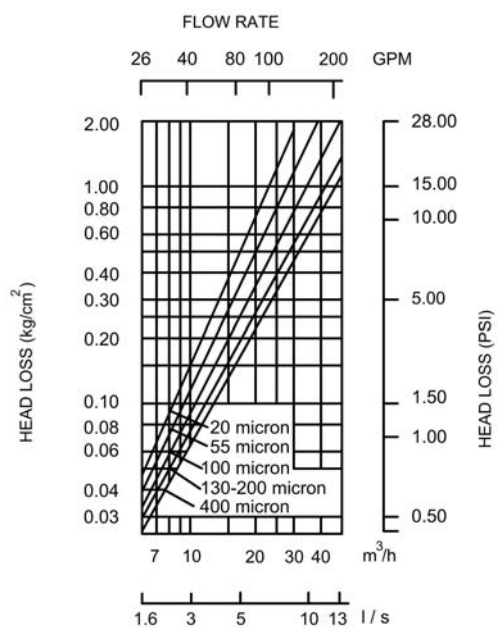
Manual Disc Filter

## Dimensions and Weights

|                           |    |     |      |                                  |
|---------------------------|----|-----|------|----------------------------------|
| D Inlet\Outlet diameter   | mm | 50  | inch | 2                                |
| L Length                  | mm | 425 | inch | 16 <sup>23</sup> / <sub>32</sub> |
| W Width                   | mm | 215 | inch | 8 <sup>14</sup> / <sub>32</sub>  |
| A                         | mm | 230 | inch | 9 <sup>1</sup> / <sub>16</sub>   |
| Shipping weight (approx.) | kg | 3.2 | lbs  | 7                                |



## Head Loss Chart, Clean State



2" Leader is available in:  
Polypropylene.

# ARKAL 2" "LEADER" FILTER

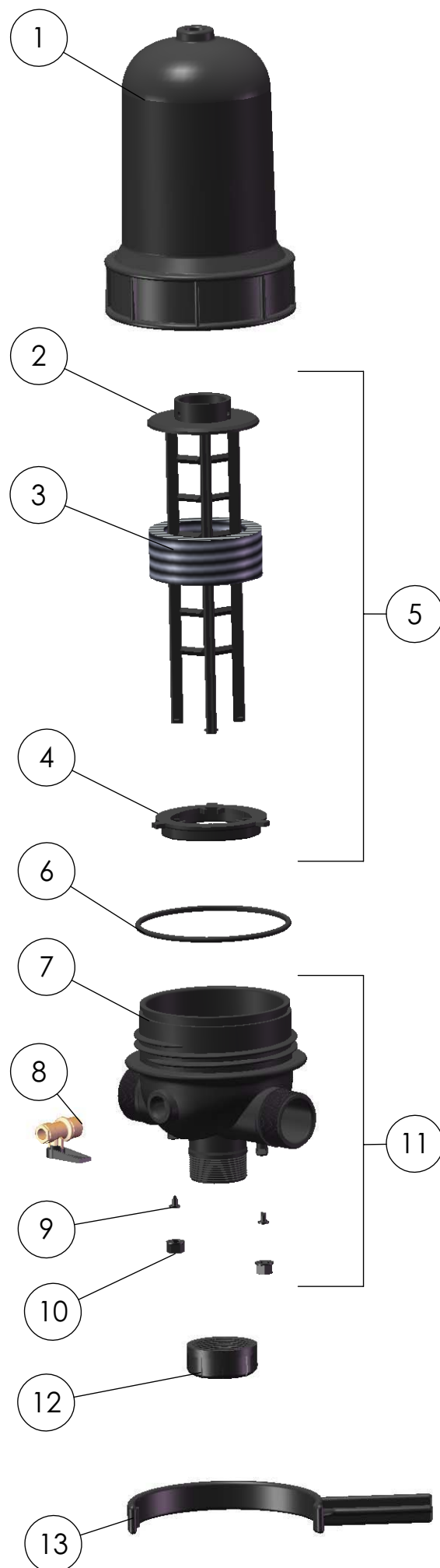
Cat. no. 1224 3\_\_\_THREADED ENDS

## PARTS LIST

| No: | PART DESCRIPTION           | CAT. No:  | MATERIALS |
|-----|----------------------------|-----------|-----------|
| 1   | LEADER COVER               | 2501 0230 | P.P.      |
| 2   | LEADER SPINE               | 2502 0230 | P.P.      |
| 3   | DISC SET                   | 2021 1___ | P.P.      |
| 4   | STOP RING ELEMENT          | 2507 0208 | P.P.      |
| 5   | SINGLE FILTER ELEMENT      | 2125 1___ | P.P.      |
| 6   | O RING 144.3*5.7           | 5003 1457 | EPDM      |
| 7   | LEADER THREAD BODY         | 2500 0234 | P.P.      |
| 8   | 1/2"*1/4" TAP              | 5054 0212 | BRASS     |
| 9   | GAUGE PORT SEAL            | 5006 0004 | EPDM      |
| 10  | GAUGE PORT NUT             | 2511 0103 | R.P.P.    |
| 11  | LEADER THREAD BODY COMPLEX | 2224 0001 |           |
| 12  | CAP 2"                     | 2511 0200 | R.P.A.    |
| 13  | SPINE WRENCH               | 2530 0117 | R.P.P.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE



# 3" Twin

## Manual Disc Filter

### Features

- Precise disc filtration
- High flow capacity
- Durable filter element
- All plastic-corrosion free



### Technical Data

|                         | METRIC                | US                  |
|-------------------------|-----------------------|---------------------|
| Connection diameter     | mm 80                 | in 3                |
| Filtration surface area | cm <sup>2</sup> 1,900 | in <sup>2</sup> 294 |
| Filtration volume       | cm <sup>3</sup> 2,450 | in <sup>3</sup> 150 |
| Pressure rating         | bar 10                | psi 145             |
| Max. temp.              | °C 70                 | °F 158              |

### Maximum Filtration Flow Rate / Water Quality

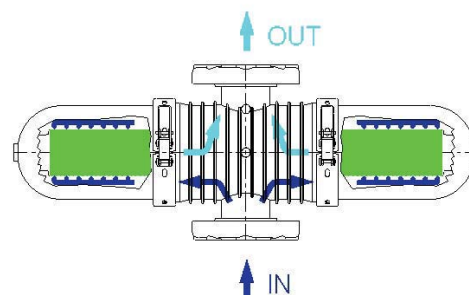
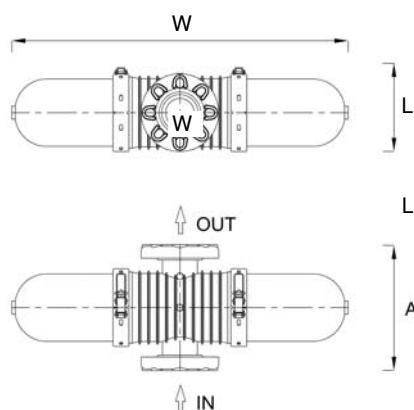
| Filtration Grade | Water Quality | m <sup>3</sup> /h | gpm  |
|------------------|---------------|-------------------|------|
| 400-130 µ        | Good          | 40                | 176  |
|                  | Average       | 30                | 132  |
| 55 µ             | Good          | 28                | 123  |
|                  | Average       | 21                | 92.5 |
| 20 µ             | Good          | 20                | 88   |
|                  | Average       | 15                | 66   |

# 3" Twin

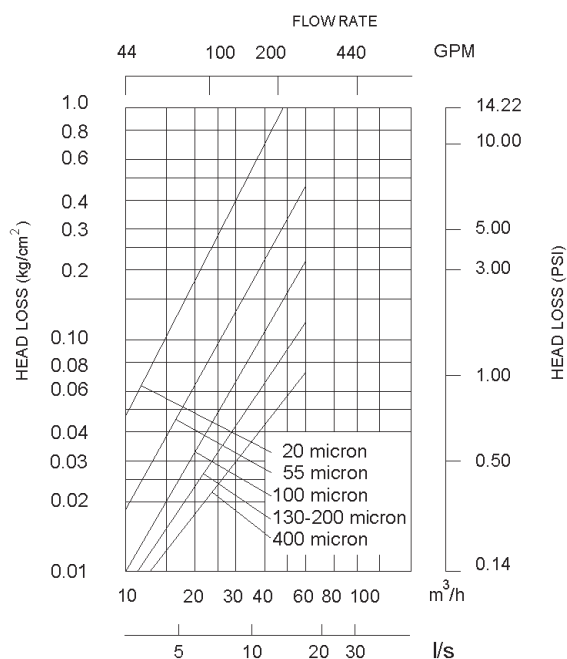
Manual Disc Filter

## Dimensions and Weights

|                           |    |      |      |                                  |
|---------------------------|----|------|------|----------------------------------|
| D Inlet\Outlet diameter   | mm | 90   | inch | 3                                |
| L Length                  | mm | 865  | inch | 34 <sup>1</sup> / <sub>16</sub>  |
| W Width                   | mm | 217  | inch | 8 <sup>9</sup> / <sub>16</sub>   |
| A                         | mm | 320  | inch | 12 <sup>19</sup> / <sub>32</sub> |
| Shipping weight (approx.) | kg | 9.85 | lbs  | 21.7                             |



## Head Loss Chart, Clean State



3" Twin is available in:  
Polyamide.

# ARKAL 3" TWIN FILTER

Cat. no. 1353 0\_\_ THREADED ENDS

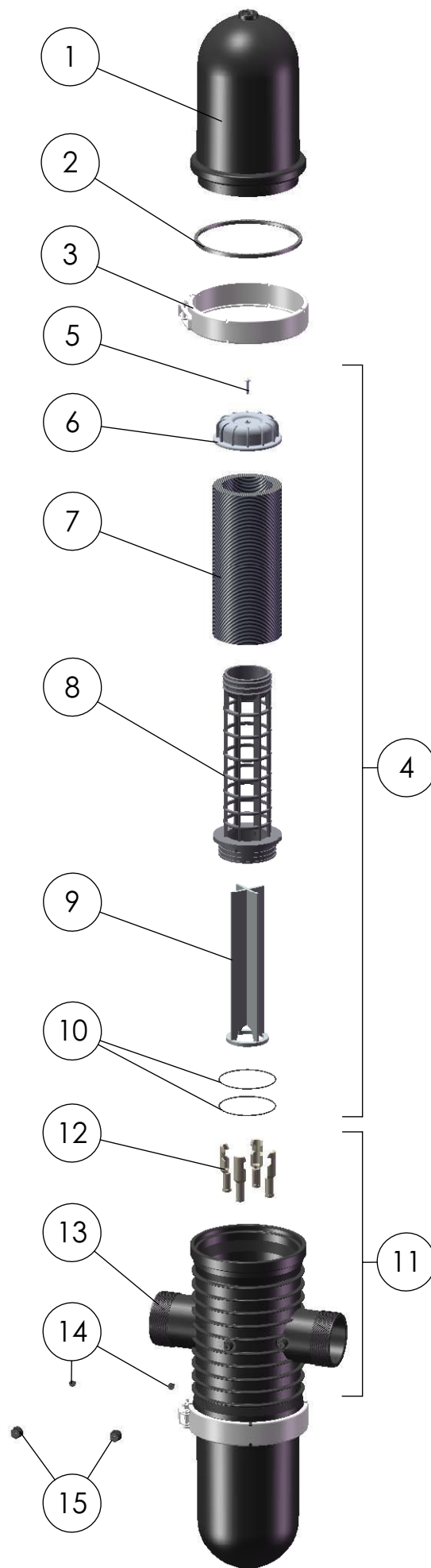
## PARTS LIST

| No. | DESCRIPTION           | CAT. No   | MATERIALS |
|-----|-----------------------|-----------|-----------|
| 1   | FILTER COVER          | 2501 0210 | R.P.A.    |
| 2   | TRANSPARENT COVER     | 2501 9220 | P.C.      |
| 2   | COVER SEAL            | 5005 0002 | EPDM      |
| 3   | CLAMP                 | 5042 0030 | S.S.      |
| 4   | SINGLE FILTER ELEMENT | 2121 1__  |           |
|     | DOUBLE FILTER ELEMENT | 2131 1__  |           |
| 5   | FASTNING BOLT         | 5040 1010 | S.S.      |
| 6   | FIXING NUT            | 2506 0211 | R.P.P.    |
| 7   | DISC SET              | 2021 1__  | P.P.      |
|     | PAIR DISC SET         | 2031 1__  |           |
| 8   | SPINE                 | 2502 0212 | R.P.P.    |
| 9   | SPINE EXTENSION       | 2502 0214 | P.P.      |
| 10  | "O" RING 2*238        | 5003 2238 | EPDM      |
| 11  | FILTER BODY COMPLEX   | 2232 0001 |           |
| 12  | SPINE HOLDER *        | 2530 0202 | R.P.A.    |
| 13  | FILTER BODY BSP       | 2500 0302 | R.P.A.    |
| 14  | GAUGE PORTS SEAL      | 5006 0004 | EPDM      |
| 15  | GAUGE PORTS NUT       | 2511 0103 | R.P.P.    |

\* - OPTIONAL

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) P.C. - POLYCARBONATE



# ARKAL 3" TWIN FILTER

Cat. no. 1353 8\_\_ ARKAL FLANGE

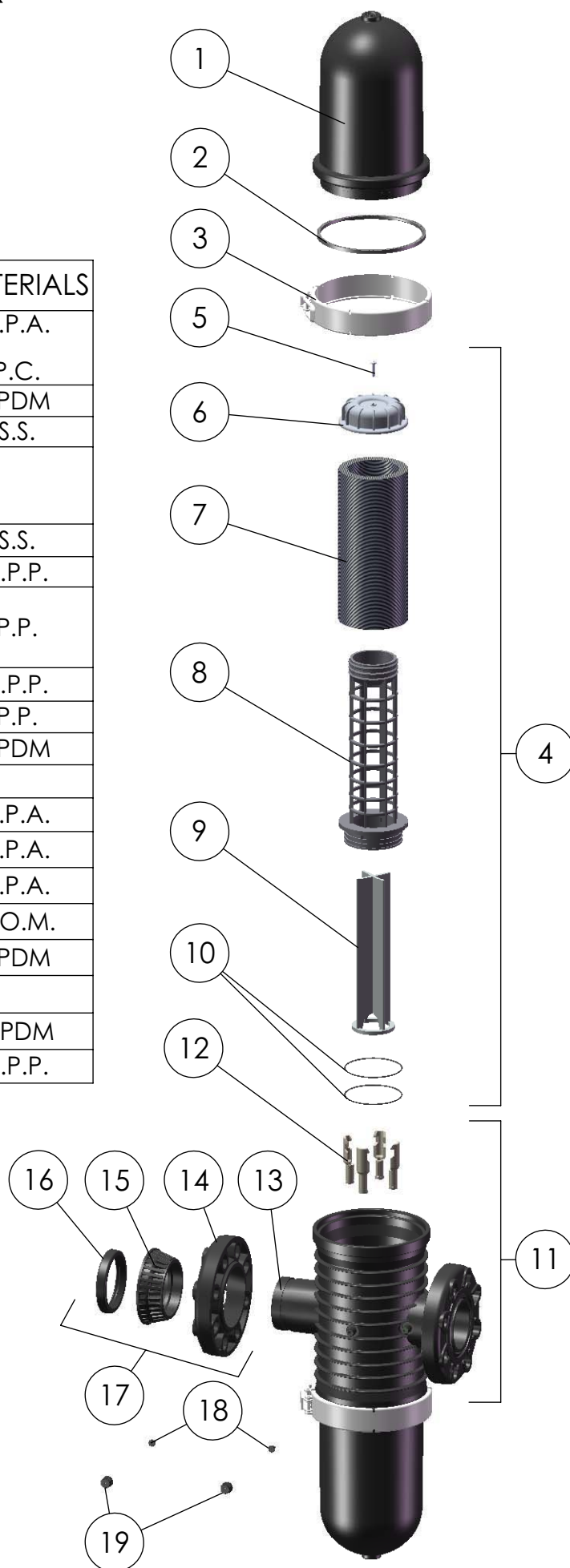
## PARTS LIST

| No. | DESCRIPTION             | CAT. No   | MATERIALS |
|-----|-------------------------|-----------|-----------|
| 1   | FILTER COVER            | 2501 0210 | R.P.A.    |
| 2   | TRANSPARENT COVER       | 2501 9220 | P.C.      |
| 2   | COVER SEAL              | 5005 0002 | EPDM      |
| 3   | CLAMP                   | 5042 0030 | S.S.      |
| 4   | SINGLE FILTER ELEMENT   | 2121 1__  |           |
| 4   | DOUBLE FILTER ELEMENT   | 2131 1__  |           |
| 5   | FASTNING BOLT           | 5040 1010 | S.S.      |
| 6   | FIXING NUT              | 2506 0211 | R.P.P.    |
| 7   | DISC SET                | 2021 1__  | P.P.      |
| 7   | PAIR DISC SET           | 2031 1__  |           |
| 8   | SPINE                   | 2502 0212 | R.P.P.    |
| 9   | SPINE EXTENSION         | 2502 0214 | P.P.      |
| 10  | "O" RING 2*238          | 5003 2238 | EPDM      |
| 11  | FILTER BODY COMPLEX+AKF | 2232 8001 |           |
| 12  | SPINE HOLDER *          | 2530 0202 | R.P.A.    |
| 13  | FILTER BODY VIC.        | 2500 0301 | R.P.A.    |
| 14  | 3" RING FLANGE          | 2510 0325 | R.P.A.    |
| 15  | CONE FLANGE             | 2507 0308 | P.O.M.    |
| 16  | 3" GASKET               | 5005 2013 | EPDM      |
| 17  | 3" ARKAL FLANGE COMPLEX | 2253 0325 |           |
| 18  | GAUGE PORTS SEAL        | 5006 0004 | EPDM      |
| 19  | GAUGE PORTS NUT         | 2511 0103 | R.P.P.    |

\* - OPTIONAL

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) P.C. - POLYCARBONATE
- 5) POM - ACETAL



# ARKAL 3" TWIN FILTER

Cat. no. 1353 1\_\_ VICTAULIC ENDS

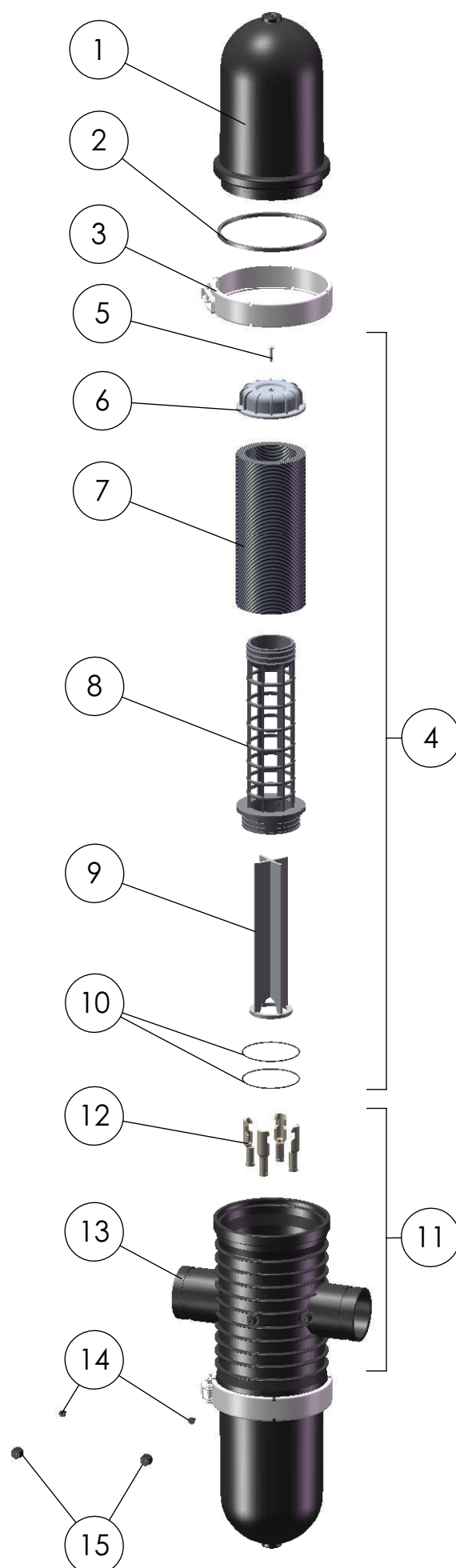
## PARTS LIST

| No. | DESCRIPTION           | CAT. No   | MATERIALS |
|-----|-----------------------|-----------|-----------|
| 1   | FILTER COVER          | 2501 0210 | R.P.A.    |
| 2   | TRANSPARENT COVER     | 2501 9220 | P.C.      |
| 2   | COVER SEAL            | 5005 0002 | EPDM      |
| 3   | CLAMP                 | 5042 0030 | S.S.      |
| 4   | SINGLE FILTER ELEMENT | 2121 1__  |           |
|     | DOUBLE FILTER ELEMENT | 2131 1__  |           |
| 5   | FASTNING BOLT         | 5040 1010 | S.S.      |
| 6   | FIXING NUT            | 2506 0211 | R.P.P.    |
| 7   | DISC SET              | 2021 1__  | P.P.      |
|     | PAIR DISC SET         | 2031 1__  |           |
| 8   | SPINE                 | 2502 0212 | R.P.P.    |
| 9   | SPINE EXTENSION       | 2502 0214 | P.P.      |
| 10  | "O" RING 2*238        | 5003 2238 | EPDM      |
| 11  | FILTER BODY COMPLEX   | 2232 1001 |           |
| 12  | SPINE HOLDER *        | 2530 0202 | R.P.A.    |
| 13  | FILTER BODY VIC.      | 2500 0301 | R.P.A.    |
| 14  | GAUGE PORTS SEAL      | 5006 0004 | EPDM      |
| 15  | GAUGE PORTS NUT       | 2511 0103 | R.P.P.    |

\* - OPTIONAL

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) P.C. - POLYCARBONATE



# 3" Leader

## Manual Disc Filter

### Features

- Durable filter element
- Corrosion free
- All Polypropylene
- Precise disc filtration



### Technical Data

|                         | METRIC               | US                  |
|-------------------------|----------------------|---------------------|
| Connection diameter     | mm 90                | in 3                |
| Filtration surface area | cm <sup>2</sup> 1900 | in <sup>2</sup> 294 |
| Filtration volume       | cm <sup>3</sup> 2450 | in <sup>3</sup> 150 |
| Pressure rating         | bar 10               | psi 145             |
| Max. temp.              | °C 70                | °F 158              |

### Maximum Filtration Flow Rate / Water Quality

| Filtration Grade | Water Quality | m <sup>3</sup> /h | gpm  |
|------------------|---------------|-------------------|------|
| 400-130 µ        | Good          | 50                | 220  |
|                  | Average       | 35                | 154  |
| 55 µ             | Good          | 32                | 141  |
|                  | Average       | 22                | 97   |
| 20 µ             | Good          | 16                | 70   |
|                  | Average       | 11                | 48.4 |

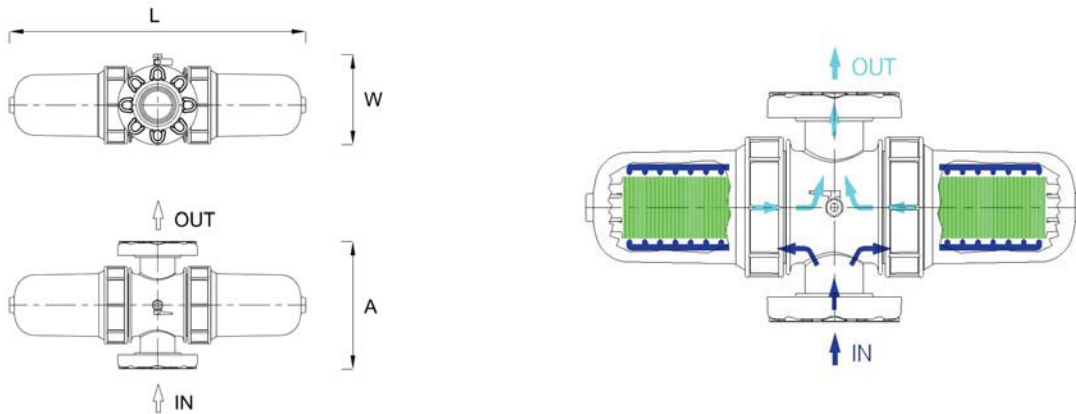


# 3" Leader

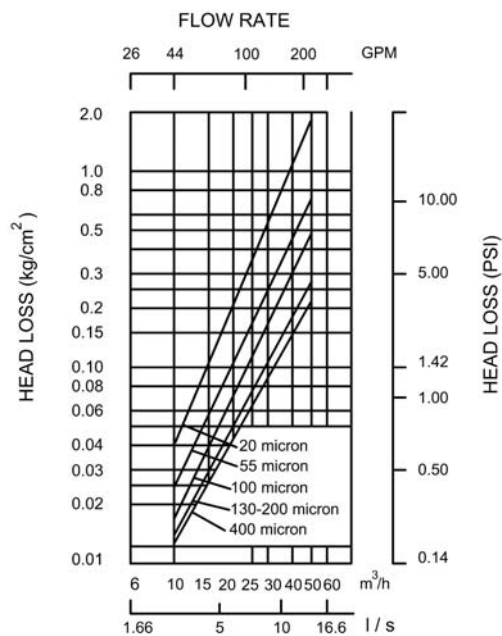
Manual Disc Filter

## Dimensions and Weights

|                           |    |     |      |                                  |
|---------------------------|----|-----|------|----------------------------------|
| D Inlet\Outlet diameter   | mm | 90  | inch | 3                                |
| L Length                  | mm | 742 | inch | 29 <sup>7</sup> / <sub>32</sub>  |
| W Width                   | mm | 228 | inch | 8 <sup>3</sup> / <sub>32</sub>   |
| A                         | mm | 320 | inch | 12 <sup>19</sup> / <sub>32</sub> |
| Shipping weight (approx.) | kg | 6.3 | lbs  | 13.9                             |



## Head Loss Chart, Clean State



3" Leader Filter is available in:  
Polypropylene.

# ARKAL 3" "LEADER" TWIN FILTER

Cat. no. 1320 3\_\_ (BSP)

1323 3\_\_ (NPT)

## PARTS LIST

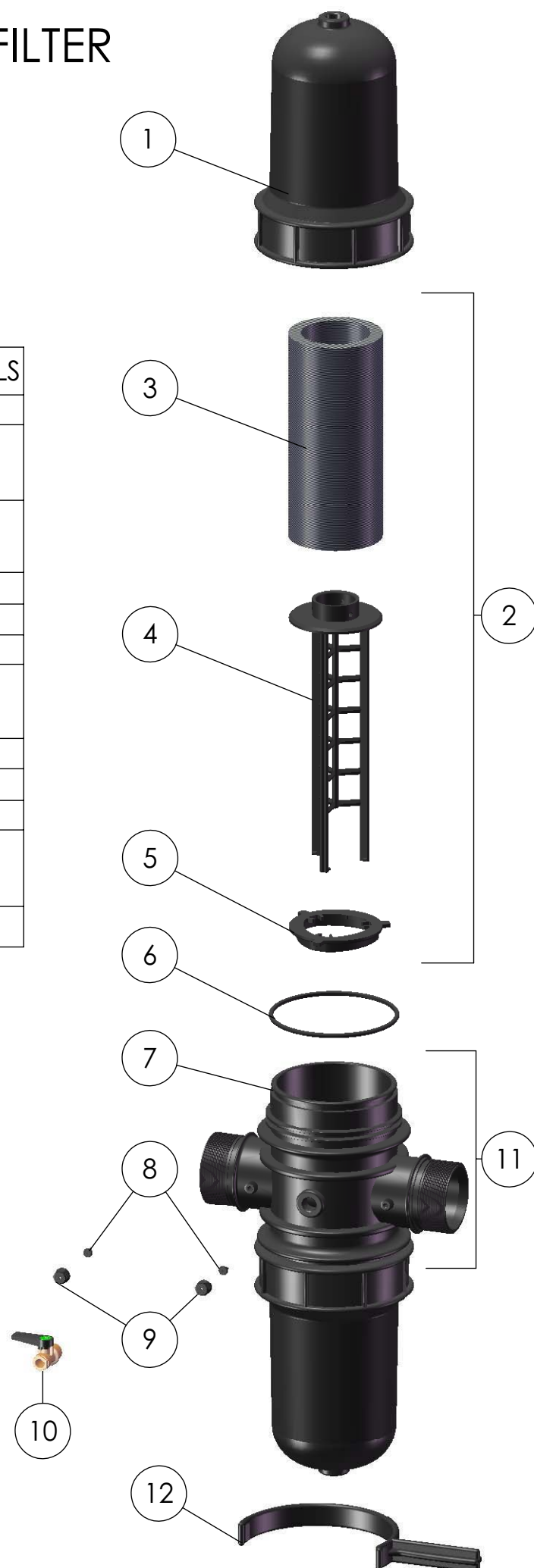
| No. | DESCRIPTION          | CAT. No   | MATERIALS |
|-----|----------------------|-----------|-----------|
| 1   | "LEADER COVER        | 2501 0230 | P.P.      |
| 2   | FILTER ELEMENT       | 2125 1__  |           |
|     | DOBLE FILTER ELEMENT | 2135 1__  |           |
| 3   | DISC SET             | 2021 1__  | P.P.      |
|     | DOUBLE DISC SET      | 2031 1__  |           |
| 4   | "LEADER" SPINE       | 2502 0230 | P.P.      |
| 5   | STOP RING ELEMENT    | 2507 0208 | P.P.      |
| 6   | "O" RING 144.3*5.7   | 5003 1457 | EPDM      |
| 7   | FILTER BODY BSP      | 2500 0306 | P.P.      |
|     | FILTER BODY NPT      | 2500 0307 |           |
| 8   | GAUGE PORTS SEAL     | 5006 0004 | EPDM      |
| 9   | GAUGE PORTS NUT      | 2511 0103 | R.P.P.    |
| 10  | 1/2-1/4" TAP         | 5054 0212 | BRASS     |
| 11  | BODY COMPLEX BSP     | 2232 0011 |           |
|     | BODY COMPLEX NPT     | 2232 0012 |           |
| 12  | 2-3" "LEADER" WRENCH | 2530 0117 | R.P.A.    |

## MATERIALS:

1) P.P - POLYPROPYLENE

2) R.P.A. - REINFORCED POLYAMIDE

3) R.P.P. - REINFORCED POLYPROPYLENE



# ARKAL 3" "LEADER" TWIN FILTER

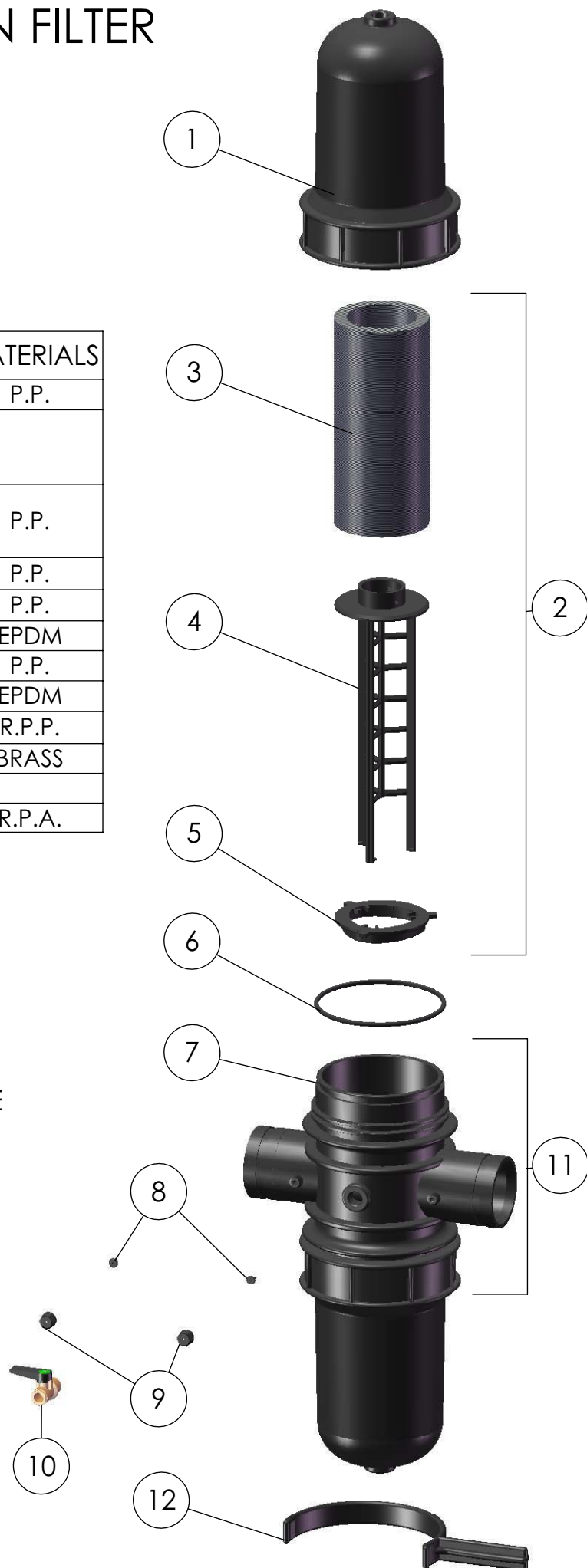
Cat. no. 1321 3\_\_

## PARTS LIST

| No. | DESCRIPTION           | CAT. No   | MATERIALS |
|-----|-----------------------|-----------|-----------|
| 1   | "LEADER COVER         | 2501 0230 | P.P.      |
| 2   | FILTER ELEMENT        | 2125 1__  |           |
|     | DOUBLE FILTER ELEMENT | 2135 1__  |           |
| 3   | DISC SET              | 2021 1__  | P.P.      |
|     | DOUBLE DISC SET       | 2031 1__  |           |
| 4   | "LEADER" SPINE        | 2502 0230 | P.P.      |
| 5   | STOP RING ELEMENT     | 2507 0208 | P.P.      |
| 6   | "O" RING 144.3*5.7    | 5003 1457 | EPDM      |
| 7   | FILTER BODY VIC       | 2500 0308 | P.P.      |
| 8   | GAUGE PORTS SEAL      | 5006 0004 | EPDM      |
| 9   | GAUGE PORTS NUT       | 2511 0103 | R.P.P.    |
| 10  | 1/2-1/4" TAP          | 5054 0212 | BRASS     |
| 11  | BODY COMPLEX          | 2232 1011 |           |
| 12  | 2-3" "LEADER" WRENCH  | 2530 0117 | R.P.A.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE



# ARKAL 3" "LEADER" TWIN FILTER

Cat. no. 1321 5\_\_

## PARTS LIST

| No. | DESCRIPTION              | CAT. No   | MATERIALS |
|-----|--------------------------|-----------|-----------|
| 1   | "LEADER" COVER           | 2501 0230 | P.P.      |
| 2   | FILTER ELEMENT           | 2125 1__  |           |
|     | DUBLE FILTER ELEMENT     | 2135 1__  |           |
| 3   | DISC SET                 | 2021 1__  | P.P.      |
|     | DOUBLE DISC SET          | 2031 1__  |           |
| 4   | "LEADER" SPINE           | 2502 0230 | P.P.      |
| 5   | STOP RING ELEMENT        | 2507 0208 | P.P.      |
| 6   | "O" RING 144.3*5.7       | 5003 1457 | EPDM      |
| 7   | FILTER BODY VIC          | 2500 0308 | P.P.      |
| 8   | 3" RING FLANGE           | 2510 0325 | R.P.A.    |
| 9   | CONE FLANGE              | 2507 0308 | P.O.M.    |
| 10  | 3" GASKET                | 5005 2013 | EPDM      |
| 11  | 3" ARKAL FLANGE COMPLETE | 2253 0325 |           |
| 12  | GAUGE PORTS SEAL         | 5006 0004 | EPDM      |
| 13  | 1/2-1/4" TAP             | 5054 0212 | BRASS     |
| 14  | GAUGE PORTS NUT          | 2511 0103 | R.P.P.    |
| 15  | BODY COMPLEX +AKF        | 2232 5011 |           |
| 16  | 2-3" "LEADER" WRENCH     | 2530 0117 | R.P.A.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) P.O.M.-ACETAL



# 3" Super Angle

## Manual Disc Filter

### Features

- High flow capacity
- Durable filter element
- Corrosion free
- All Plastic
- Precise disc filtration



### Technical Data

|                         | METRIC                | US                  |
|-------------------------|-----------------------|---------------------|
| Connection diameter     | mm 90                 | in 3                |
| Filtration surface area | cm <sup>2</sup> 1,852 | in <sup>2</sup> 287 |
| Filtration volume       | cm <sup>3</sup> 1,774 | in <sup>3</sup> 108 |
| Pressure rating         | bar 10                | psi 145             |
| Max. temp.              | °C 70                 | °F 158              |

### Maximum Filtration Flow Rate / Water Quality

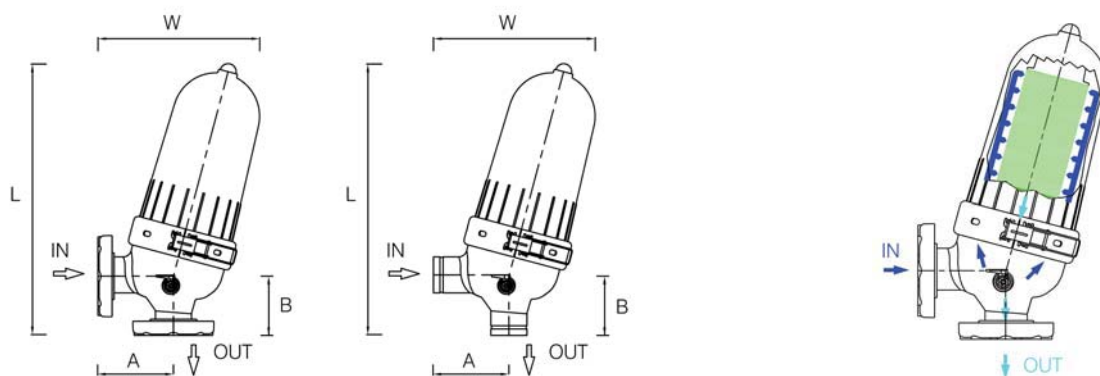
| Filtration Grade | Water Quality | m <sup>3</sup> /h | gpm |
|------------------|---------------|-------------------|-----|
| 400-130 µ        | Good          | 60                | 264 |
|                  | Average       | 50                | 220 |
| 100 µ            | Good          | 50                | 220 |
|                  | Average       | 40                | 176 |
| 55 µ             | Good          | 35                | 154 |
|                  | Average       | 24                | 106 |
| 20 µ             | Good          | 18                | 79  |
|                  | Average       | 12                | 53  |

# 3" Super Angle

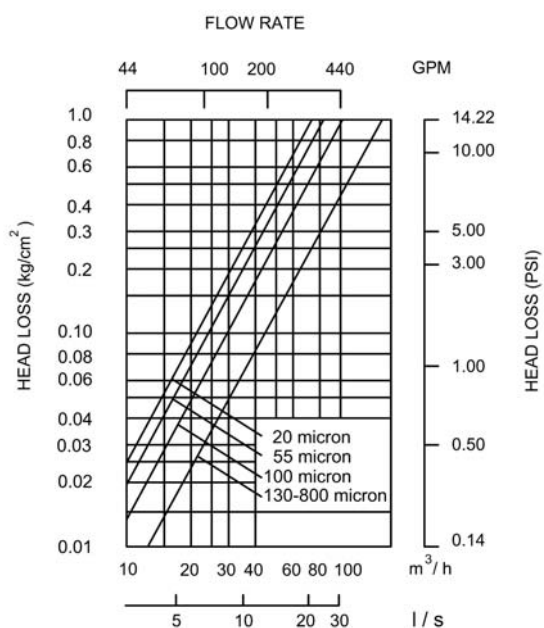
Manual Disc Filter

## Dimensions and Weights

|                           |    |       |      |                                 |
|---------------------------|----|-------|------|---------------------------------|
| D Inlet\Outlet diameter   | mm | 90    | inch | 3                               |
| L Length                  | mm | 700   | inch | 27 <sup>9</sup> / <sub>16</sub> |
| W Width                   | mm | 400   | inch | 15 <sup>3</sup> / <sub>4</sub>  |
| A                         | mm | 185   | inch | 7 <sup>9</sup> / <sub>32</sub>  |
| B                         | mm | 145   | inch | 5 <sup>23</sup> / <sub>32</sub> |
| Shipping weight (approx.) | kg | 11.47 | lbs  | 25.3                            |



## Head Loss Chart, Clean State



**3" Super Angle Filter**  
is available in:  
Polypropylene.

# ARKAL 3" SUPER ANGLE FILTER

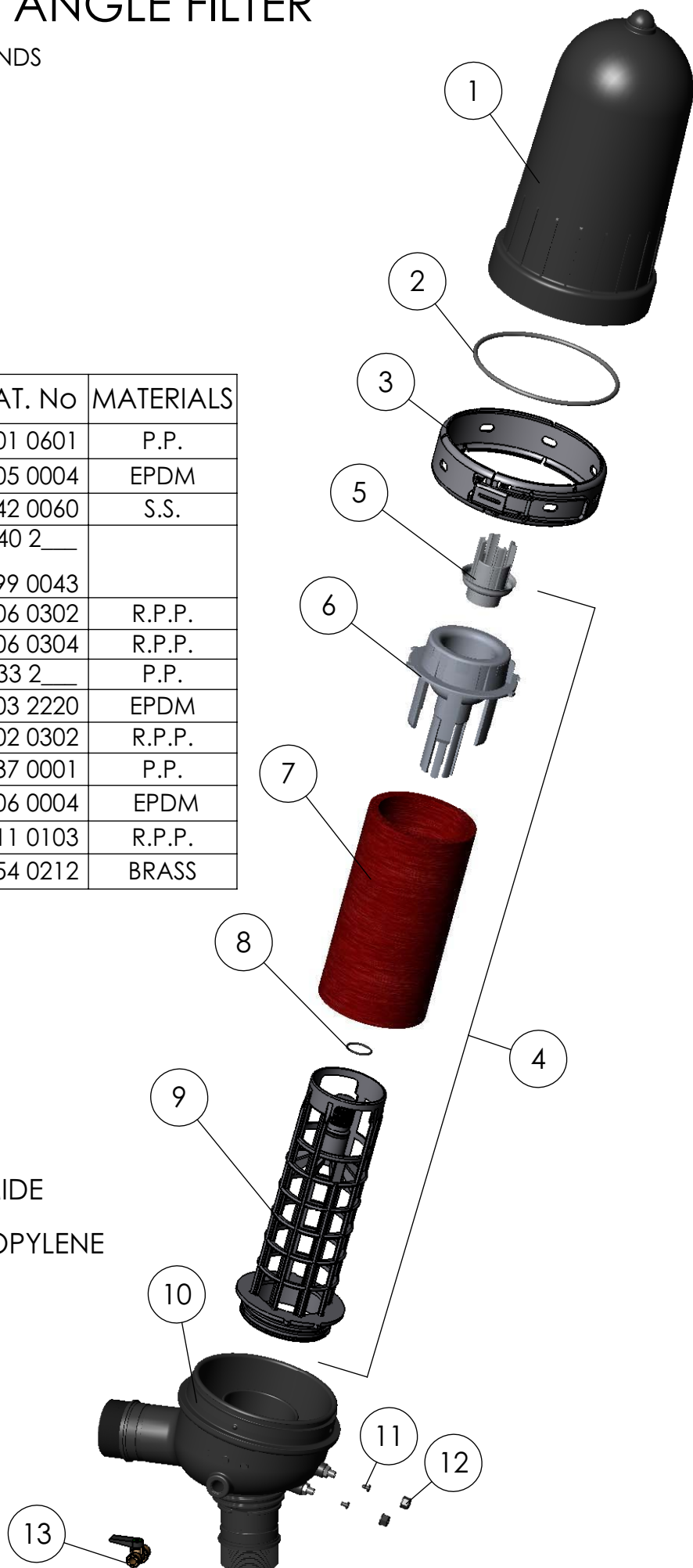
Cat. no. 1370 0\_\_ THREADED ENDS

## PARTS LIST

| No. | DESCRIPTION                   | CAT. No   | MATERIALS |
|-----|-------------------------------|-----------|-----------|
| 1   | FILTER COVER                  | 2501 0601 | P.P.      |
| 2   | COVER SEAL                    | 5005 0004 | EPDM      |
| 3   | CLAMP                         | 5042 0060 | S.S.      |
| 4   | FILTER ELEMENT                | 2140 2__  |           |
|     | FILTER ELEMENT (W/O DISC SET) | 2199 0043 |           |
| 5   | SPINE TIGHTENING NUT          | 2506 0302 | R.P.P.    |
| 6   | SPINE CAP                     | 2506 0304 | R.P.P.    |
| 7   | DISC SET                      | 2033 2__  | P.P.      |
| 8   | "O" RING 2-200                | 5003 2220 | EPDM      |
| 9   | SPINE 99                      | 2502 0302 | R.P.P.    |
| 10  | FILTER BODY THREAD            | 2237 0001 | P.P.      |
| 11  | GAUGE PORTS SEAL              | 5006 0004 | EPDM      |
| 12  | GAUGE PORTS NUT               | 2511 0103 | R.P.P.    |
| 13  | 1/2" TAP                      | 5054 0212 | BRASS     |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) P.C. - POLYCARBONATE





# ARKAL 3" SUPER ANGLE FILTER

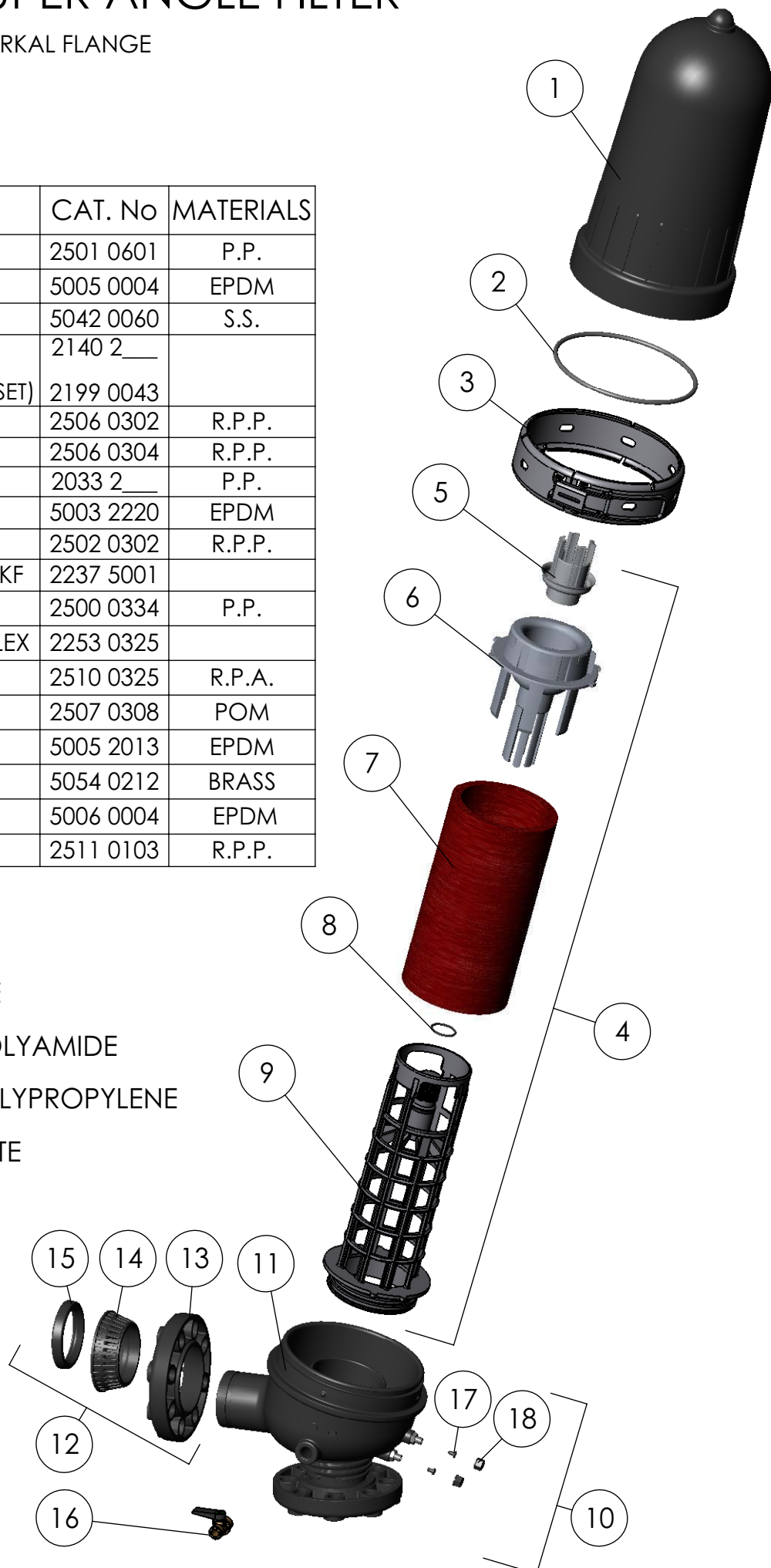
Cat. no. 1370 5\_\_ 3" ARKAL FLANGE

## PARTS LIST

| No. | DESCRIPTION                   | CAT. No   | MATERIALS |
|-----|-------------------------------|-----------|-----------|
| 1   | FILTER COVER                  | 2501 0601 | P.P.      |
| 2   | COVER SEAL                    | 5005 0004 | EPDM      |
| 3   | CLAMP                         | 5042 0060 | S.S.      |
| 4   | FILTER ELEMENT                | 2140 2__  |           |
|     | FILTER ELEMENT (W/O DISC SET) | 2199 0043 |           |
| 5   | SPINE TIGHTENING NUT          | 2506 0302 | R.P.P.    |
| 6   | SPINE CAP                     | 2506 0304 | R.P.P.    |
| 7   | DISC SET                      | 2033 2__  | P.P.      |
| 8   | "O" RING 2-200                | 5003 2220 | EPDM      |
| 9   | SPINE 99                      | 2502 0302 | R.P.P.    |
| 10  | FILTER BODY COMPLEX+AKF       | 2237 5001 |           |
| 11  | FILTER BODY VIC.              | 2500 0334 | P.P.      |
| 12  | 3" ARKAL FLANGE COMPLEX       | 2253 0325 |           |
| 13  | RING FLANGE                   | 2510 0325 | R.P.A.    |
| 14  | CONE FLANGE                   | 2507 0308 | POM       |
| 15  | GASKET STYLE                  | 5005 2013 | EPDM      |
| 16  | 1/2" TAP                      | 5054 0212 | BRASS     |
| 17  | GAUGE PORTS SEAL              | 5006 0004 | EPDM      |
| 18  | GAUGE PORTS NUT               | 2511 0103 | R.P.P.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) P.C. - POLYCARBONATE





# ARKAL 3" SUPER ANGLE FILTER

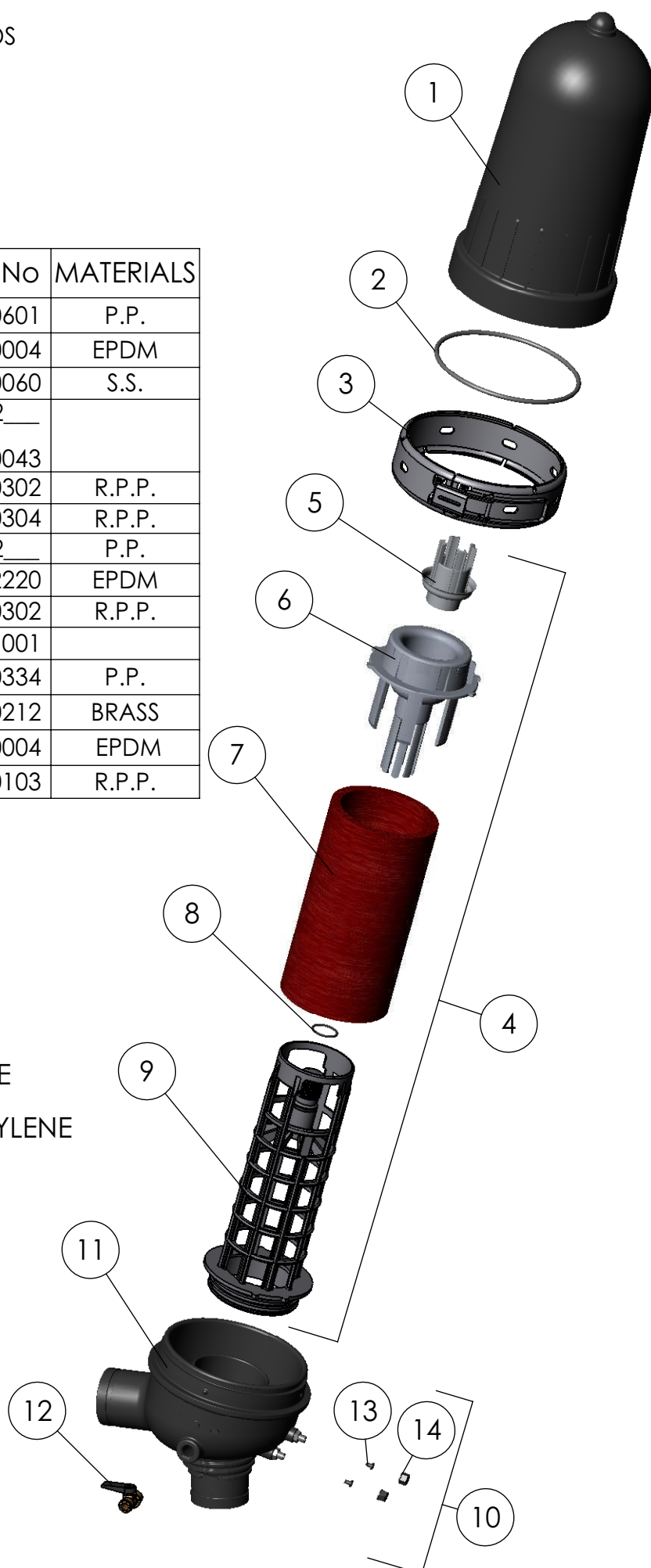
Cat. no. 1370 1\_\_\_ VICTAULIC ENDS

## PARTS LIST

| No. | DESCRIPTION                   | CAT. No   | MATERIALS |
|-----|-------------------------------|-----------|-----------|
| 1   | FILTER COVER                  | 2501 0601 | P.P.      |
| 2   | COVER SEAL                    | 5005 0004 | EPDM      |
| 3   | CLAMP                         | 5042 0060 | S.S.      |
| 4   | FILTER ELEMENT                | 2140 2___ |           |
|     | FILTER ELEMENT (W/O DISC SET) | 2199 0043 |           |
| 5   | SPINE TIGHTENING NUT          | 2506 0302 | R.P.P.    |
| 6   | SPINE CAP                     | 2506 0304 | R.P.P.    |
| 7   | DISC SET                      | 2033 2___ | P.P.      |
| 8   | "O" RING 2-200                | 5003 2220 | EPDM      |
| 9   | SPINE 99                      | 2502 0302 | R.P.P.    |
| 10  | FILTER BODY COMPLEX           | 2237 1001 |           |
| 11  | FILTER BODY VIC.              | 2500 0334 | P.P.      |
| 12  | 1/2" TAP                      | 5054 0212 | BRASS     |
| 13  | GAUGE PORTS SEAL              | 5006 0004 | EPDM      |
| 14  | GAUGE PORTS NUT               | 2511 0103 | R.P.P.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) P.C. - POLYCARBONATE



# 4" Super Angle

## Manual Disc Filter

### Features

- High flow capacity
- Durable filter element
- Corrosion free
- All Plastic
- Precise disc filtration



### Technical Data

|                         | METRIC                | US                  |
|-------------------------|-----------------------|---------------------|
| Connection diameter     | mm 110                | in 4                |
| Filtration surface area | cm <sup>2</sup> 1,852 | in <sup>2</sup> 287 |
| Filtration volume       | cm <sup>3</sup> 1,774 | in <sup>3</sup> 108 |
| Pressure rating         | bar 10                | psi 145             |
| Max. temp.              | °C 70                 | °F 158              |

### Maximum Filtration Flow Rate / Water Quality

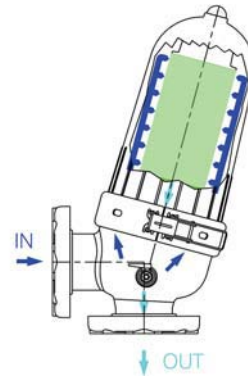
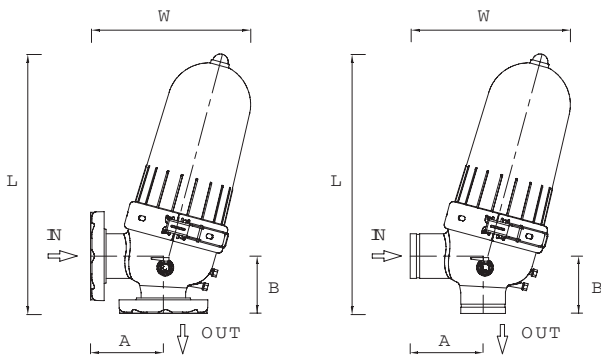
| Filtration Grade | Water Quality | m <sup>3</sup> /h | gpm |
|------------------|---------------|-------------------|-----|
| 400-130 µ        | Good          | 90                | 396 |
|                  | Average       | 60                | 264 |
| 100 µ            | Good          | 50                | 220 |
|                  | Average       | 40                | 176 |
| 55 µ             | Good          | 35                | 154 |
|                  | Average       | 24                | 106 |
| 20 µ             | Good          | 18                | 79  |
|                  | Average       | 12                | 53  |

# 4" Super Angle

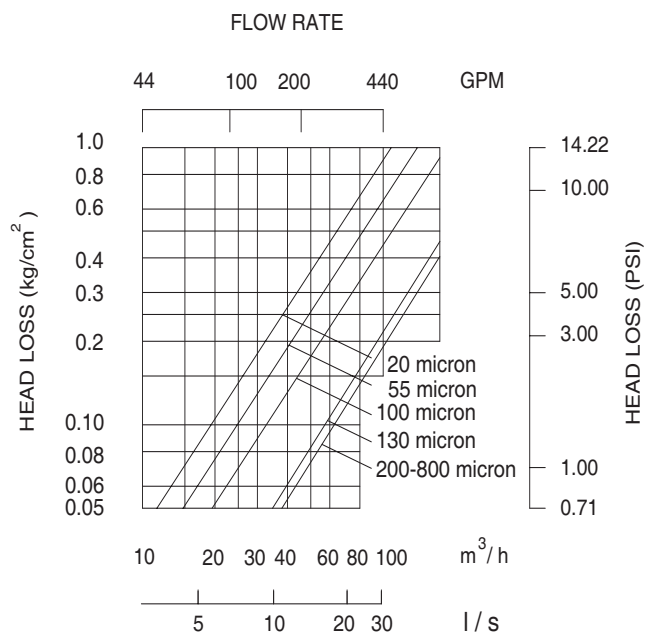
Manual Disc Filter

## Dimensions and Weights

|                           |    |       |      |                                 |
|---------------------------|----|-------|------|---------------------------------|
| D Inlet\Outlet diameter   | mm | 110   | inch | 4                               |
| L Length                  | mm | 700   | inch | 27 <sup>9</sup> / <sub>16</sub> |
| W Width                   | mm | 400   | inch | 15 <sup>3</sup> / <sub>4</sub>  |
| A                         | mm | 185   | inch | 7 <sup>9</sup> / <sub>32</sub>  |
| B                         | mm | 145   | inch | 5 <sup>23</sup> / <sub>32</sub> |
| Shipping weight (approx.) | kg | 13.16 | lbs  | 29                              |



## Head Loss Chart, Clean State



**4" SuperAngle Filter**  
is available in:  
Polypropylene.

# ARKAL 4" SUPER ANGLE FILTER

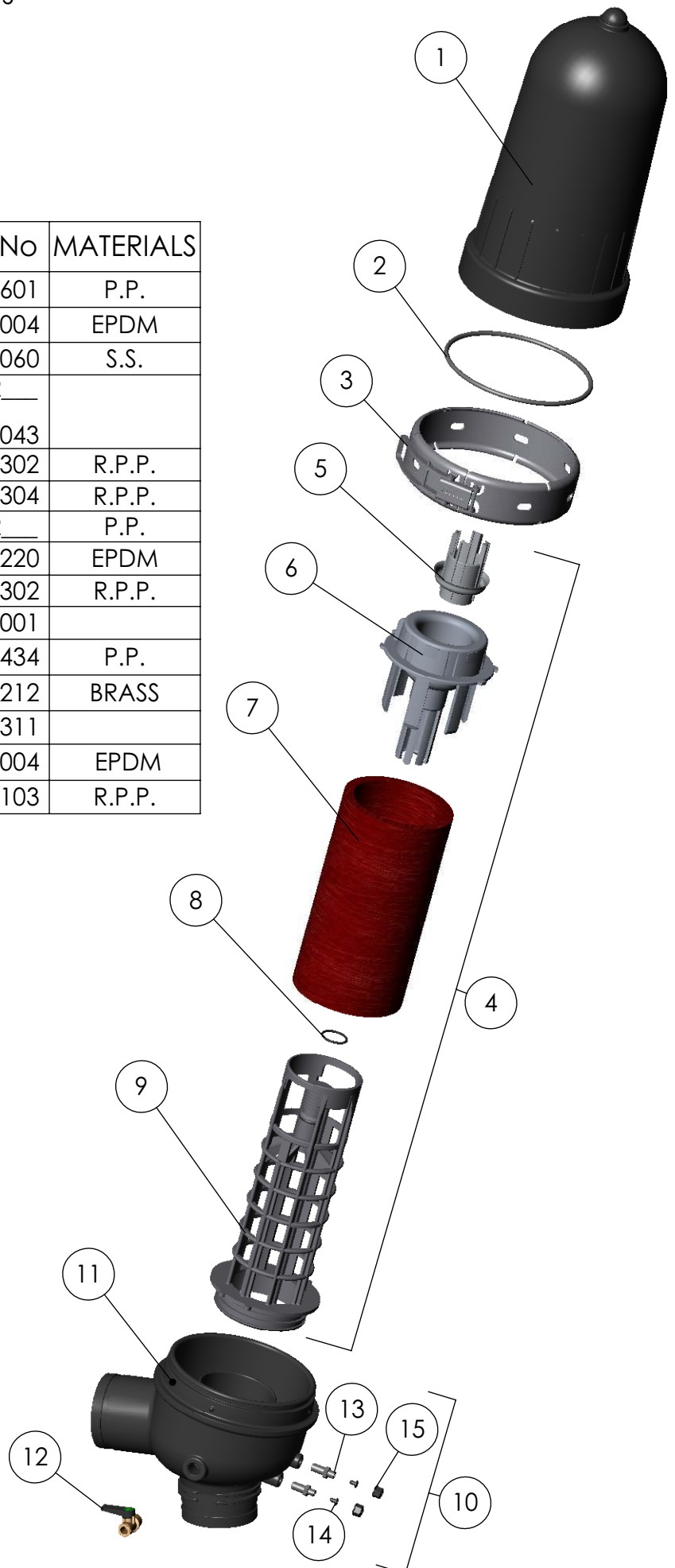
Cat. no. 1410 1\_\_ VICTAULIC ENDS

## PARTS LIST

| No. | DESCRIPTION                   | CAT. No   | MATERIALS |
|-----|-------------------------------|-----------|-----------|
| 1   | FILTER COVER                  | 2501 0601 | P.P.      |
| 2   | COVER SEAL                    | 5005 0004 | EPDM      |
| 3   | CLAMP                         | 5042 0060 | S.S.      |
| 4   | FILTER ELEMENT                | 2140 2__  |           |
|     | FILTER ELEMENT (W/O DISC SET) | 2199 0043 |           |
| 5   | SPINE TIGHTENING NUT          | 2506 0302 | R.P.P.    |
| 6   | SPINE CAP                     | 2506 0304 | R.P.P.    |
| 7   | DISC SET                      | 2033 2__  | P.P.      |
| 8   | "O" RING 2-200                | 5003 2220 | EPDM      |
| 9   | SPINE 99                      | 2502 0302 | R.P.P.    |
| 10  | FILTER BODY COMPLEX           | 2247 1001 |           |
| 11  | FILTER BODY VIC.              | 2500 0434 | P.P.      |
| 12  | 1/2" TAP                      | 5054 0212 | BRASS     |
| 13  | NIPPLE 1/4"                   | 2530 0311 |           |
| 14  | GAUGE PORTS SEAL              | 5006 0004 | EPDM      |
| 15  | GAUGE PORTS NUT               | 2511 0103 | R.P.P.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) P.C. - POLYCARBONATE



# ARKAL 4" SUPER ANGLE FILTER

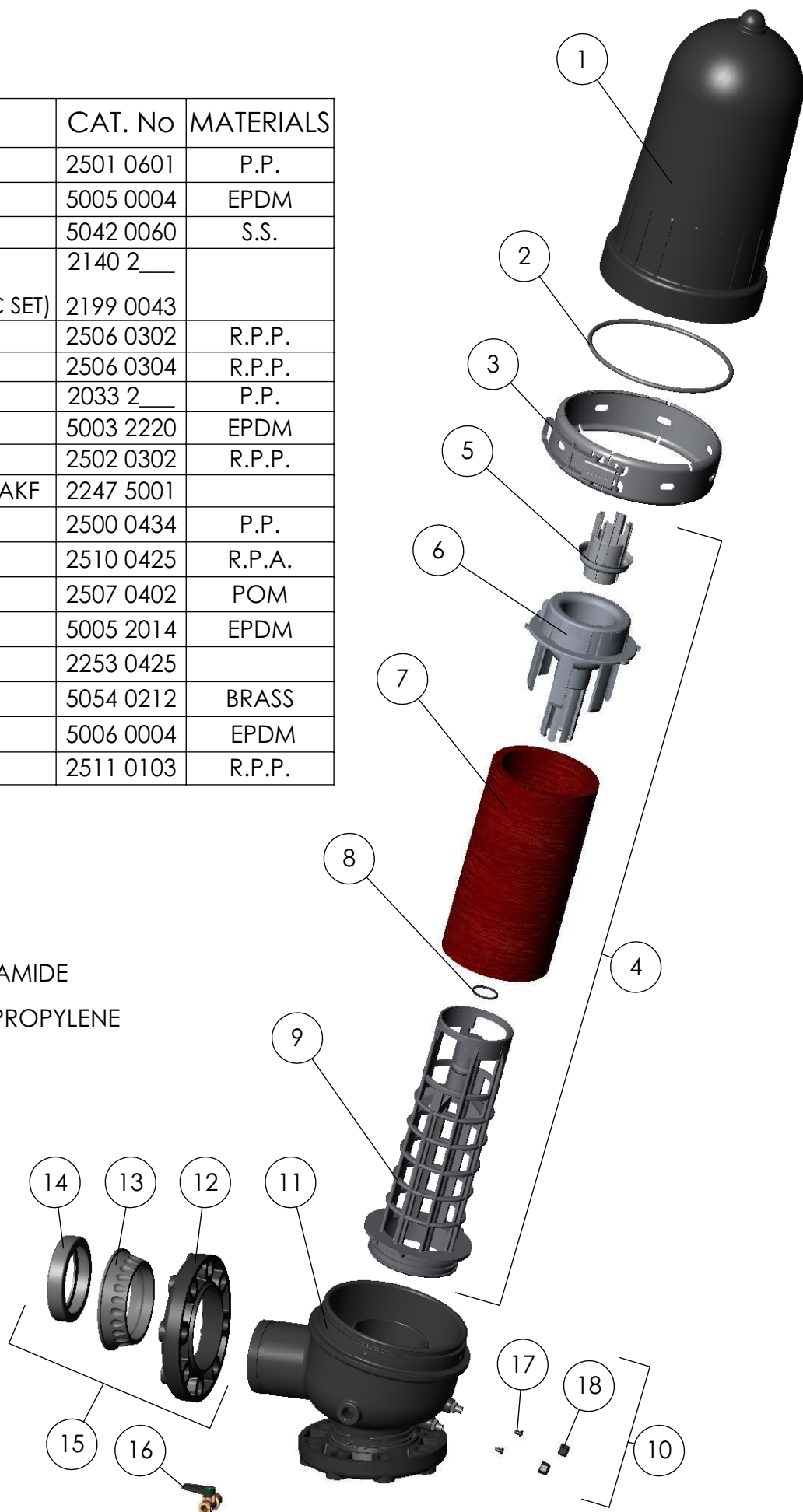
Cat. no. 1410 5\_\_ ARKAL FLANGES

## PARTS LIST

| No. | DESCRIPTION                   | CAT. No   | MATERIALS |
|-----|-------------------------------|-----------|-----------|
| 1   | FILTER COVER                  | 2501 0601 | P.P.      |
| 2   | COVER SEAL                    | 5005 0004 | EPDM      |
| 3   | CLAMP                         | 5042 0060 | S.S.      |
| 4   | FILTER ELEMENT                | 2140 2__  |           |
|     | FILTER ELEMENT (W/O DISC SET) | 2199 0043 |           |
| 5   | SPINE TIGHTENING NUT          | 2506 0302 | R.P.P.    |
| 6   | SPINE CAP                     | 2506 0304 | R.P.P.    |
| 7   | DISC SET                      | 2033 2__  | P.P.      |
| 8   | "O" RING 2-200                | 5003 2220 | EPDM      |
| 9   | SPINE 99                      | 2502 0302 | R.P.P.    |
| 10  | FILTER BODY COMPLEX+AKF       | 2247 5001 |           |
| 11  | FILTER BODY VIC.              | 2500 0434 | P.P.      |
| 12  | 4" RING FLANGE                | 2510 0425 | R.P.A.    |
| 13  | CONE FLANGE                   | 2507 0402 | POM       |
| 14  | 4" GASKET                     | 5005 2014 | EPDM      |
| 15  | 4" ARKAL FLANGE               | 2253 0425 |           |
| 16  | 1/2" TAP                      | 5054 0212 | BRASS     |
| 17  | GAUGE PORTS SEAL              | 5006 0004 | EPDM      |
| 18  | GAUGE PORTS NUT               | 2511 0103 | R.P.P.    |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) P.C. - POLYCARBONATE



# 4" Super Leader

## Manual Disc Filter

### Features

- High flow capacity
- Durable filter element
- Corrosion free
- All Polypropylene
- Precise disc filtration



### Technical Data

|                         | METRIC                | US                  |
|-------------------------|-----------------------|---------------------|
| Connection diameter     | mm 110                | in 4                |
| Filtration surface area | cm <sup>2</sup> 3,704 | in <sup>2</sup> 574 |
| Filtration volume       | cm <sup>3</sup> 3,548 | in <sup>3</sup> 216 |
| Pressure rating         | bar 10                | psi 145             |
| Max. temp.              | °C 70                 | °F 158              |

### Maximum Filtration Flow Rate / Water Quality

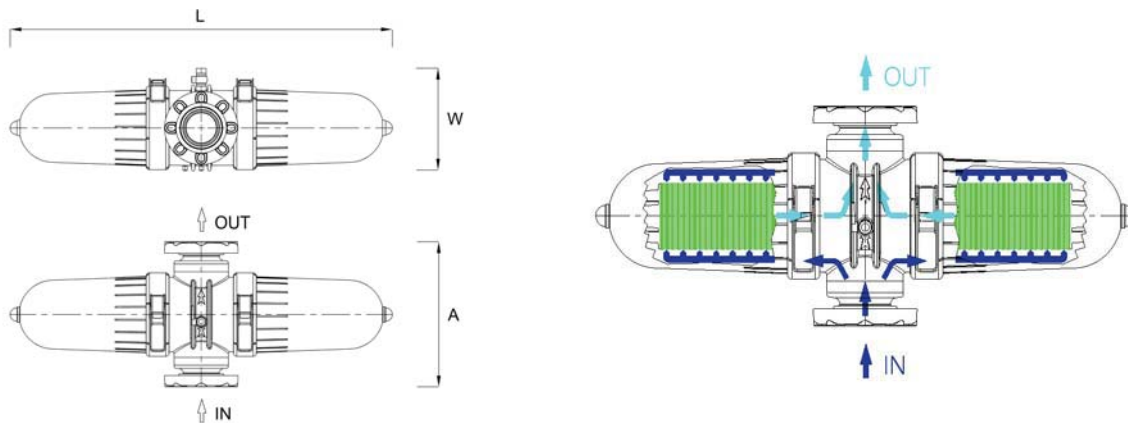
| Filtration Grade | Water Quality | m <sup>3</sup> /h | gpm |
|------------------|---------------|-------------------|-----|
| 400-130 µ        | Good          | 110               | 484 |
|                  | Average       | 77                | 339 |
| 55 µ             | Good          | 60                | 264 |
|                  | Average       | 42                | 185 |
| 20 µ             | Good          | 38                | 167 |
|                  | Average       | 26                | 114 |

# 4" Super Leader

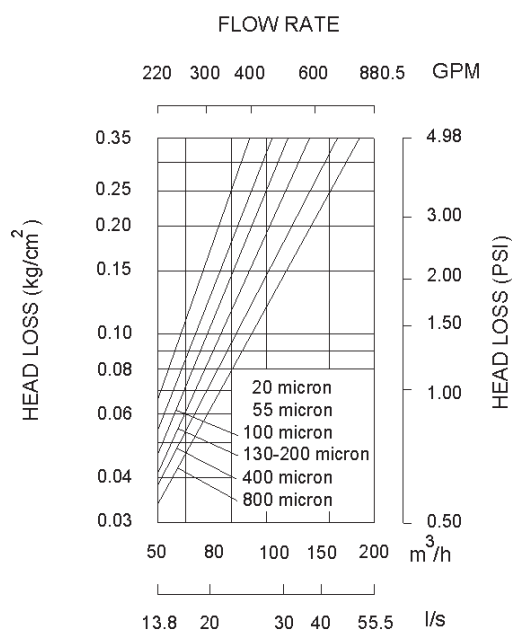
Manual Disc Filter

## Dimensions and Weights

|                           |    |      |      |                                  |
|---------------------------|----|------|------|----------------------------------|
| D Inlet\Outlet diameter   | mm | 110  | inch | 4                                |
| L Length                  | mm | 1188 | inch | 46 <sup>25</sup> / <sub>32</sub> |
| W Width                   | mm | 319  | inch | 12 <sup>9</sup> / <sub>16</sub>  |
| A                         | mm | 445  | inch | 17 <sup>1</sup> / <sub>2</sub>   |
| Shipping weight (approx.) | kg | 28.8 | lbs  | 63.5                             |



## Head Loss Chart, Clean State



**4" Super Leader Filter**  
is available in:  
Polypropylene.



# ARKAL 4" SUPER LEADER" FILTER

Cat. no. 1440 1\_\_\_ VICTAULIC ENDS

1440 5\_\_\_ A.K. 6" FLANGE

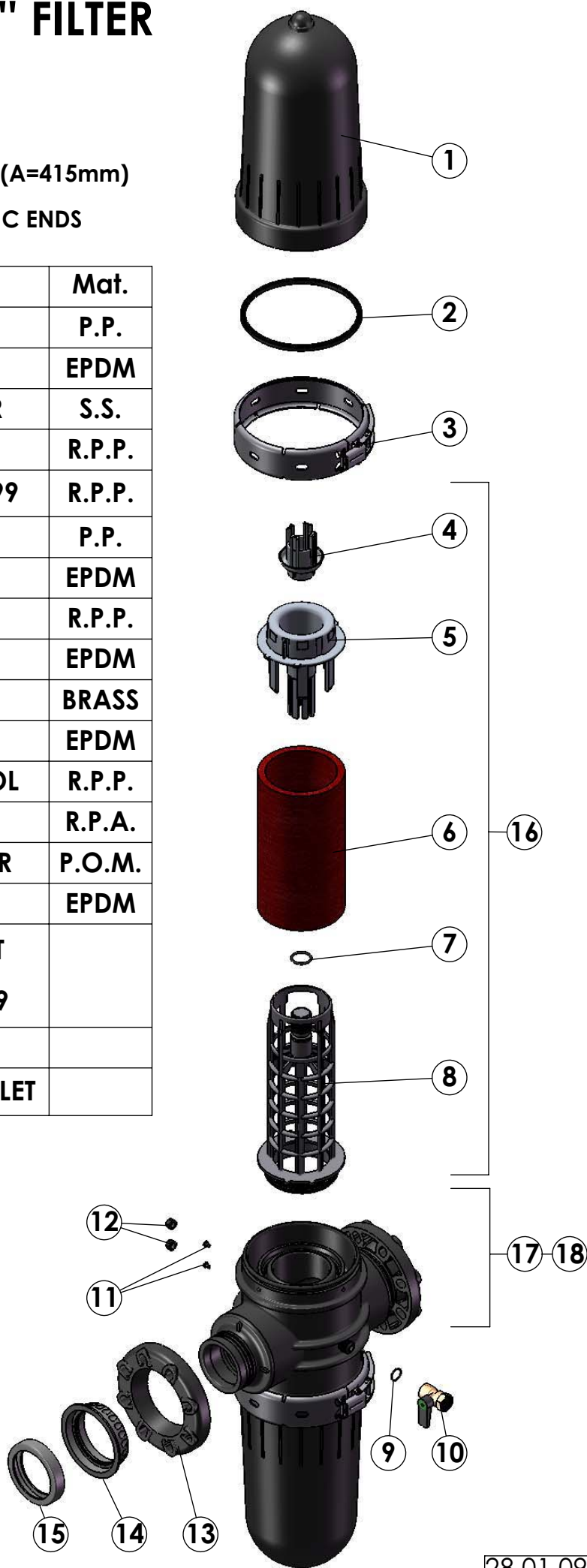
1441 1\_\_\_ VICTAULIC ENDS(A=415mm)  
FOR RETROFIT OF  
4" "V" FILTER WITH VICTAULIC ENDS

## PARTS LIST

| No: | Cat. No.: | Description              | Mat.   |
|-----|-----------|--------------------------|--------|
| 1   | 2501 0601 | 6"SUP.FILTER COVER       | P.P.   |
| 2   | 5005 0004 | 3"-4"HYDRAULIC SEAL      | EPDM   |
| 3   | 5042 0060 | CLAMP F/SUPER LEADER     | S.S.   |
| 4   | 2506 0302 | 3"-4"SPINE-99 TEX.NUT    | R.P.P. |
| 5   | 2506 0304 | TIGHTENING CYL.F.4"SP-99 | R.P.P. |
| 6   | 2033 2___ | 3-4"SK DISC SET          | P.P.   |
| 7   | 5003 2220 | O-RING 2-220 EPDM        | EPDM   |
| 8   | 2502 0302 | 3"-4" SPINE-99           | R.P.P. |
| 9   | 5003 2311 | O-RING 2-311 EPDM        | EPDM   |
| 10  | 5054 0112 | 3/4" -SN TAP             | BRASS  |
| 11  | 5006 0004 | GAUGE PORT SEAL          | EPDM   |
| 12  | 2511 0103 | GAUGE STOPER 3MM HOL     | R.P.P. |
| 13  | 2510 0425 | 4" AK FLANGE             | R.P.A. |
| 14  | 2507 0402 | 4"AK FLAN.RING STOPPER   | P.O.M. |
| 15  | 5005 2014 | 4" SEAL FOR Q/F          | EPDM   |
| 16  | 2140 2___ | 3-4"TECHFILTER ELEMENT   |        |
|     | 2199 0043 | 3"-4" SPINE COMPLEX-99   |        |
| 17  | 2245 0001 | 4"SUP.BODY COMPLET       |        |
| 18  | 2245 0002 | 4"SUP.BODY SHORT COMPLET |        |

## MATERIALS:

- 1) P.P. - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) S.S. - STAINLESS STEEL
- 5) P.O.M.- POLYACETAL





# 6" Super Leader

## Manual Disc Filter

### Features

- High flow capacity
- Durable filter element
- Corrosion free
- All Polypropylene
- Precise disc filtration



### Technical Data

|                         | METRIC                | US                  |
|-------------------------|-----------------------|---------------------|
| Connection diameter     | mm 160                | in 6                |
| Filtration surface area | cm <sup>2</sup> 3,704 | in <sup>2</sup> 574 |
| Filtration volume       | cm <sup>3</sup> 3,548 | in <sup>3</sup> 216 |
| Pressure rating         | bar 10                | psi 145             |
| Max. temp.              | °C 70                 | °F 158              |

### Maximum Filtration Flow Rate / Water Quality

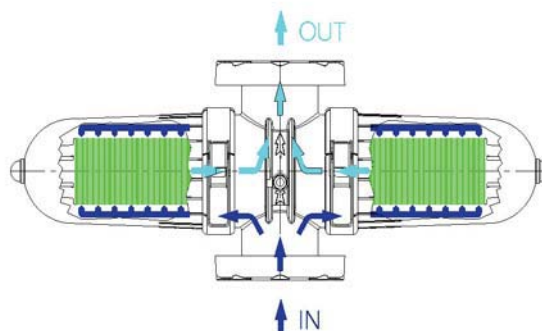
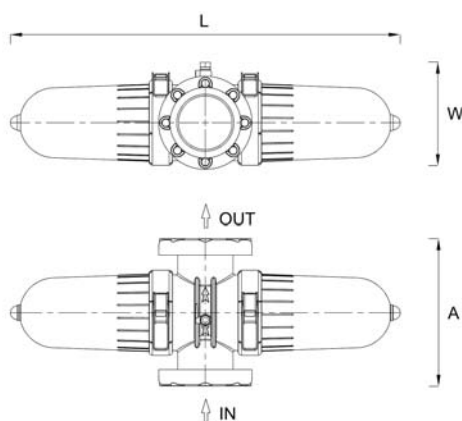
| Filtration Grade | Water Quality | m <sup>3</sup> /h | gpm |
|------------------|---------------|-------------------|-----|
| 400-130 µ        | Good          | 140               | 616 |
|                  | Average       | 98                | 431 |
| 55 µ             | Good          | 70                | 308 |
|                  | Average       | 49                | 216 |
| 20 µ             | Good          | 42                | 185 |
|                  | Average       | 29                | 128 |

# 6" Super Leader

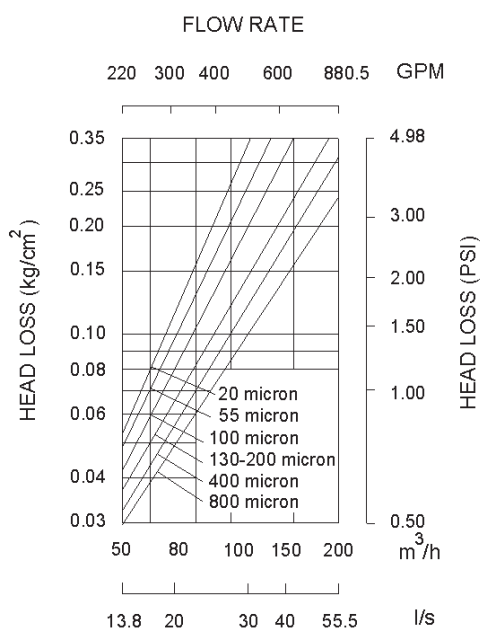
Manual Disc Filter

## Dimensions and Weights

|                           |    |      |      |                                  |
|---------------------------|----|------|------|----------------------------------|
| D Inlet\Outlet diameter   | mm | 160  | inch | 6                                |
| L Length                  | mm | 1188 | inch | 46 <sup>7</sup> / <sub>32</sub>  |
| W Width                   | mm | 319  | inch | 12 <sup>9</sup> / <sub>16</sub>  |
| A                         | mm | 415  | inch | 16 <sup>11</sup> / <sub>32</sub> |
| Shipping weight (approx.) | kg | 30.4 | lbs  | 67                               |



## Head Loss Chart, Clean State



**6" Super Leader Filter is available in:**  
Polypropylene.

# ARKAL 6" SUPER LEADER" FILTER

Cat. no. 1460 5\_\_\_ A.K. 6" FLANGE

## PARTS LIST

| No.: | Cat. No.: | Description              | Materials |
|------|-----------|--------------------------|-----------|
| 1    | 2501 0601 | 6"SUP.FILTER COVER       | P.P       |
| 2    | 5005 0004 | 3"-4"HYDRAULIC SEAL      | EPDM      |
| 3    | 5042 0060 | CLAMP F/SUPER LEADER     | S.S.      |
| 4    | 2506 0302 | 3"-4"SPINE-99 TEX.NUT    | R.P.P.    |
| 5    | 2506 0304 | TIGHTENING CYL.F.4"SP-99 | R.P.P.    |
| 6    | 2033 2___ | 3-4"SK DISC SET          | P.P       |
| 7    | 5003 2220 | O-RING 2-220 EPDM        | EPDM      |
| 8    | 2502 0302 | 3"-4" SPINE-99           | R.P.P.    |
| 9    | 5003 2311 | O-RING 2-311 EPDM        | EPDM      |
| 10   | 5054 0112 | 3/4" -SN TAP             | BRASS     |
| 11   | 5006 0004 | GAUGE PORT SEAL          | EPDM      |
| 12   | 2511 0103 | GAUGE STOPER 3MM HOL     | R.P.P.    |
| 13   | 2510 0625 | 6" AK FLANGE             | R.P.A.    |
| 14   | 2507 0602 | 6" CONE RING             | P.O.M.    |
| 15   | 5005 2016 | 6" SEAL FOR Q/F          | EPDM      |
| 16   | 2140 2___ | 3-4"TECHFILTER ELEMENT   |           |
|      | 2199 0043 | 3"-4" SPINE COMPLEX-99   |           |
| 17   | 2246 0001 | 6"SUP.LEAD.BODY COMPLET  |           |

## MATERIALS:

- 1) P.P - POLYPROPYLENE
- 2) R.P.A. - REINFORCED POLYAMIDE
- 3) R.P.P. - REINFORCED POLYPROPYLENE
- 4) S.S. - STAINLESS STEEL
- 5) P.O.M.- POLYACETAL

