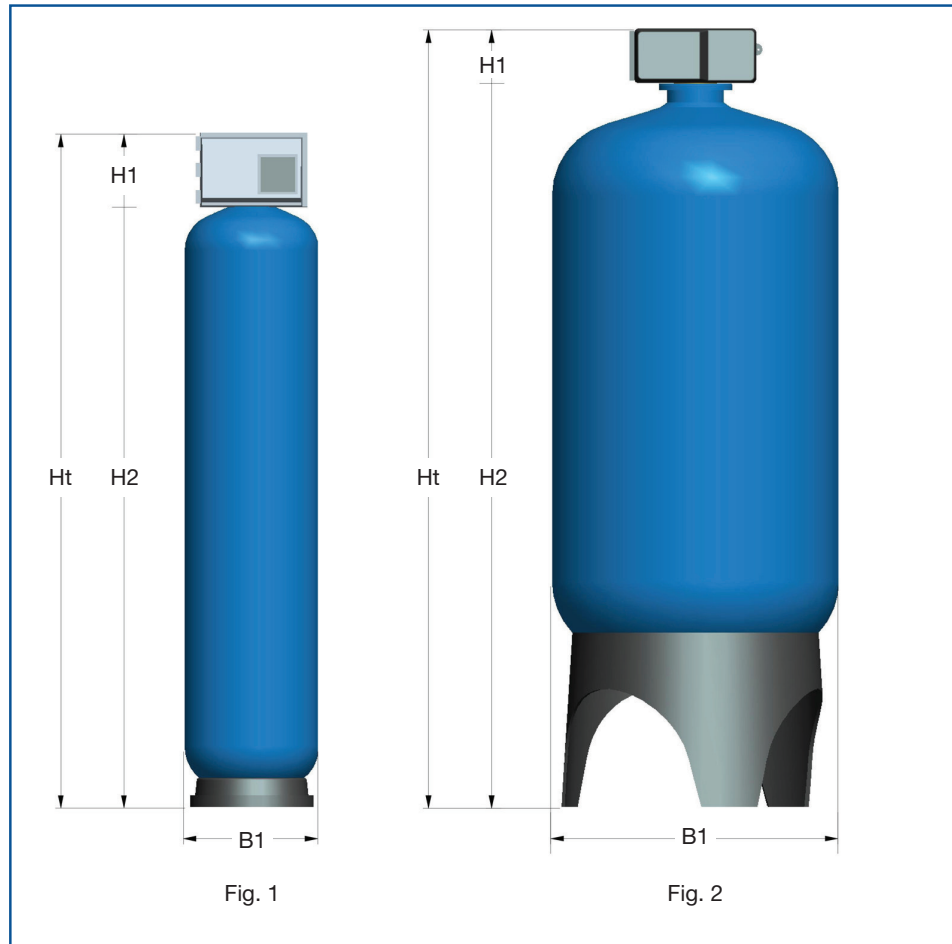


# Fleck AC Filters



| Dimensions (mm) |          |           |           |           |              |            |
|-----------------|----------|-----------|-----------|-----------|--------------|------------|
| Model Reference | Valve H1 | Vessel H2 | Vessel B1 | Filter Ht | Inlet/Outlet | Drawing No |
| FLF25C10AC      | 220      | 1387      | 257       | 1607      | 1"           | Fig. 1     |
| FLF25C13AC      | 220      | 1374      | 341       | 1594      | 1"           | Fig. 1     |
| FLF25C14AC      | 220      | 1660      | 369       | 1880      | 1"           | Fig. 1     |
| FLF25C16AC      | 220      | 1660      | 406       | 1880      | 1"           | Fig. 1     |
| FLF27C18AC      | 220      | 1750      | 469       | 1970      | 1"           | Fig. 1     |
| FLF27C21AC      | 220      | 1640      | 552       | 1860      | 1"           | Fig. 1     |
| FLF27C24AC      | 220      | 1890      | 610       | 2110      | 1"           | Fig. 1     |
| FLF28C30AC      | 220      | 2050      | 770       | 2270      | 1½"          | Fig. 1     |
| FLF31C36AC      | 200      | 2350      | 927       | 2550      | 2"           | Fig. 2     |
| FLF31C42AC      | 200      | 2435      | 1074      | 2635      | 2"           | Fig. 2     |

# Fleck AC Filters

## General conditions for installation

|                           |               |                   |
|---------------------------|---------------|-------------------|
| Connection Inlet & Outlet | 2510 / 2750 : | 1" BSPM           |
|                           | 2850 :        | 1½" BSPF          |
|                           | 3150 :        | 2" BSPF           |
| Electrical Rating         | :             | 230-24V / 50 Hz   |
| Power Rating              | :             | 55 watts          |
| Minimum Inlet Pressure    | :             | 200 kPa ( 2 Bar ) |
| Maximum Inlet Pressure    | :             | 700 kPa ( 7 Bar ) |
| Vacuum                    | :             | Not permitted     |
| Average Pressure Loss     | :             | 100 kPa ( 1 Bar ) |
| Maximum Water Temperature | :             | 43°C              |

## Media

|           |   |                                                           |
|-----------|---|-----------------------------------------------------------|
| Type      | : | Coconut Shell Carbon                                      |
|           | : | 3 - 5mm Support Gravel                                    |
| Life Span | : | Dependent on frequency of backwashing and site conditions |

## Specification

| Vessel Diameter          | 10"  | 13"  | 14" | 16" | 18" |
|--------------------------|------|------|-----|-----|-----|
| Service flow rate m³/hr  | 0.5  | 0.75 | 1.0 | 1.5 | 1.9 |
| Backwash flow rate m³/hr | 0.75 | 1.1  | 1.5 | 2.3 | 3.0 |

| Vessel Diameter          | 21"  | 24"  | 30" | 36"  | 42"  |
|--------------------------|------|------|-----|------|------|
| Service flow rate m³/hr  | 2.25 | 3.25 | 5.0 | 7.5  | 10.0 |
| Backwash flow rate m³/hr | 3.0  | 4.75 | 7.5 | 11.0 | 15.0 |

## Regeneration

|        |   |                                               |
|--------|---|-----------------------------------------------|
| Start  | : | Programmable regeneration time + day interval |
| Manual | : | Manual operation as required                  |

## Operating Conditions

For organic and colour removal 6 mins contact time  
For dechlorination 3 mins contact time. (Flow rates may be doubled)