

# WFC DRAWING 200 - FLOW RATE 2.5L/s-3.5L/s

## GENERAL NOTES

- BAG FILTERS MUST BE INSTALLED OUT OF DIRECT SUNLIGHT.
- EXTERNAL APPLICATION:  
RAINWATER FILTRATION SYSTEM TO BE INSTALLED IN A PLANTROOM OR AN ALL WEATHER, VANDAL PROOF, SUN PROOFED, WELL VENTILATED ENCLOSURE.
- COPPER TUBE IS NOT RECOMMENDED FOR INSTALLATION WITH RAINWATER.
- SENSITIVE CASE OPTION:
  - 2 BACKWASH FILTERS
  - 2 UV FILTERS
 EXAMPLES OF SENSITIVE CASE OPTIONS:
  - HOSPITALS
  - NURSING HOMES
  - ETC.

## CONTRACTOR NOTES

### STAGE 1: BACKWASH FILTER INSTALLATION INSTRUCTIONS:

- INSTALL ISOLATION VALVES EACH SIDE OF THE FILTER.
- BYPASS VALVE & ASSOCIATED PIPEWORK
- TUNDISH TO FLOOR-WASTE OR STORMWATER.
- 240V 10-AMP GPO WITHIN 1 METER OF THE INSTALLED FILTER
- AND INSTALLED ABOVE THE SPLASH LINE OF THE TUNDISH.
- INSTALL IN A PLANT ROOM OR UNDER ALL WEATHER, SUN-PROOF WELL VENTILATED VANDAL-PROOF COVER.

### STAGE 2: BAG FILTERS INSTALLATION INSTRUCTIONS:

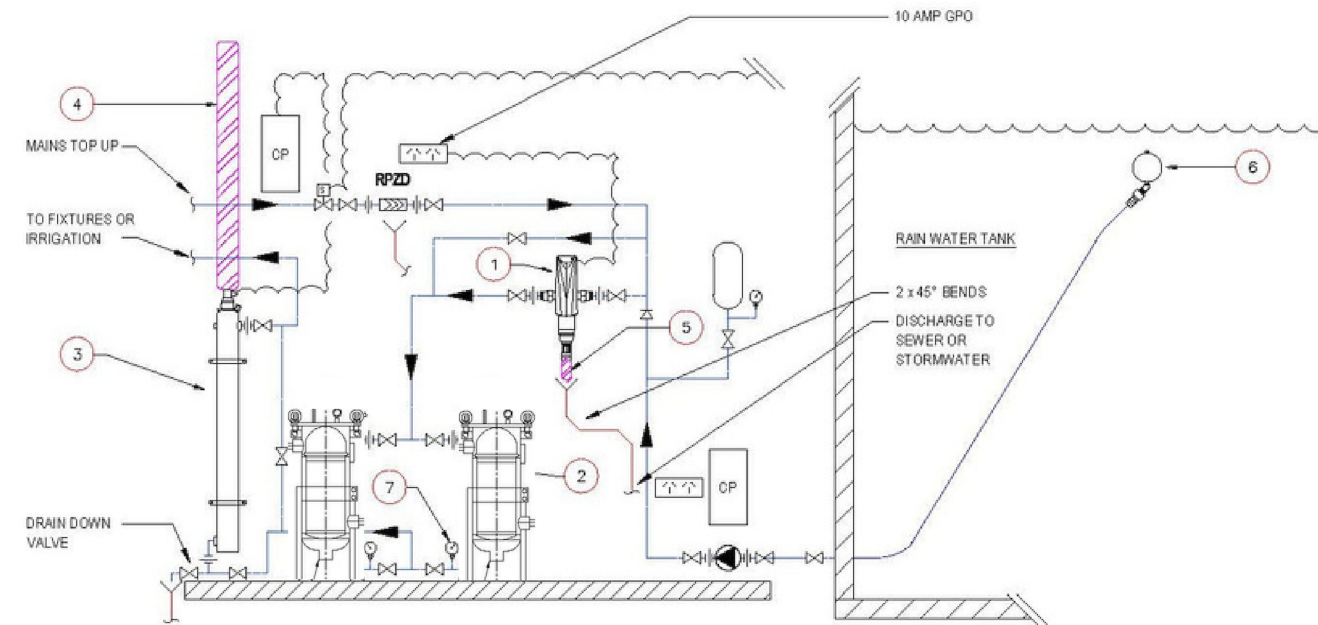
- INSTALL HOUSINGS ON A MANIFOLD IN PARALLEL.
- INSTALL ISOLATION VALVES EACH SIDE OF THE FILTER HOUSINGS.
- LOCATE HOUSINGS IN A PLANT ROOM OR UNDER AN ALL-WEATHER SUN-PROOF WELL VENTILATED COVERING.
- SUPPLY (4) FOUR WFC-FB-P1P-S-25. 25-MICRON NOMINAL POLYPROPYLENE FILTER BAGS WITH POLYTEC SEAL (TWO ARE SPARES).
- INSTALL (4) OFF LIQUID FILLED PRESSURE GAUGES FOR INSTALLATION ON THE LIDS OF THE HOUSING AND AT THE OUTLET OF EACH BAG FILTER TO VISUALLY OBSERVE PRESSURE DROP WHEN THE BAGS ARE BLOCKED.

### STAGE 3: UV DISINFECTION SYSTEM INSTALLATION INSTRUCTIONS:

- INSTALL ISOLATION VALVES EACH SIDE OF THE UV HOUSING.
- INSTALL A BYPASS VALVE & ASSOCIATED PIPEWORK.
- LOCATE UV HOUSING IN A PLANT ROOM OR UNDER ALL-WEATHER SUN-PROOF WELL VENTILATED VANDAL-PROOF COVERING.
- IF AVAILABLE, CONNECT UV SYSTEM TO BMS SYSTEM TO MONITOR LAMP & POWER FAILURE.
- LOCATE A FLOOR-WASTE IN THE VICINITY OF THE UV.
- CHAMBER TO DRAIN & CLEAN DURING REGULAR SERVICE.

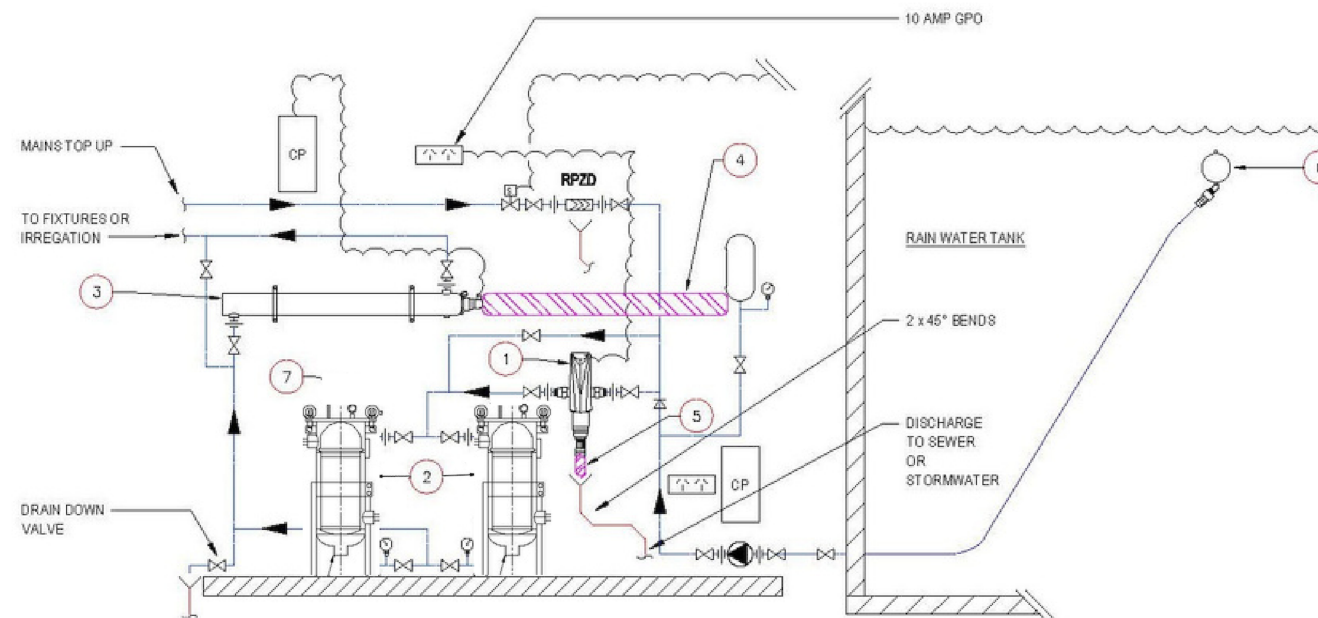
## RAINWATER FILTRATION SYSTEM - VERTICAL UV OPTION

NOT TO SCALE



## RAINWATER FILTRATION SYSTEM - HORIZONTAL UV OPTION

NOT TO SCALE



| FLOW RATE 2.5L/s - 3.5L/s |                                   |   |  |
|---------------------------|-----------------------------------|---|--|
| PIPE DIAMETER             | WFC INFINITY A AUTOMATIC BACKWASH | WFC P1 S/S BAG FILTERS (X2) 1, 5, 10, 25, 50, 100 & 200 MICRONS | WFC700 RAINWATER UV DISINFECTION SYSTEMS |
| 40Ø                       | WFC-FS-INF-40                     | WFC-FH-P1-304L  | WFC-US-700                               |
| 25Ø                       | WFC-FS-INF-50                     | WFC-FH-P1-304L  | WFC-US-700                               |

| POWER REQUIREMENTS     |                           |
|------------------------|---------------------------|
| FILTER TYPE            | POWER OUTLET TYPE         |
| BACKWASH FILTER        | 10AMP GPO                 |
| BAG FILTER             | POWER NOT REQUIRED        |
| UV DISINFECTION SYSTEM | CONTROL PANEL - 10AMP GPO |
| PUMP                   | VARIES                    |

| SPACIAL REQUIREMENTS            |                     |
|---------------------------------|---------------------|
| FILTER SYSTEM TYPE              | APPROX. SPACIAL     |
| 40mm - 50mm GENERAL APPLICATION | 1.7m (L) x 0.8m (W) |

| GENERAL REQUIREMENTS |         |
|----------------------|---------|
| MINIMUM PRESSURE     | 250 KPA |
| MAXIMUM PRESSURE     | 700 KPa |

| LIST OF COMPONENTS |  |
|--------------------|--|
| NO.                | ITEM                                       |
| 1                  | WFC BACKWASH FILTERS                       |
| 2                  | WFC BAG FILTERS                            |
| 3                  | WFC UV DISINFECTION SYSTEMS                |
| 4                  | 1300mm MAINTENANCE ZONE                    |
| 5                  | 100mm MAINTENANCE ZONE                     |
| 6                  | FLOATING PUMP INTAKE PIPE - VARIOUS MODELS |
| 7                  | WFC LIQUID FILLED PRESSURE GAUGES 1000KPA  |

| REV | AMENDMENT/REASON FOR ISSUE | DATE     | DRAWING COMPLETED BY | DESIGNED & CHECKED BY |
|-----|----------------------------|----------|----------------------|-----------------------|
| D1  | DESIGN ISSUE               | 15.08.13 | CH                   | MC                    |
| D2  | DESIGN ISSUE               | 19.01.23 | SC                   | MC                    |
| D3  | PRODUCT CODES              | 22.06.23 | RK                   | MC                    |
|     |                            |          |                      |                       |
|     |                            |          |                      |                       |
|     |                            |          |                      |                       |

| SCALES       | DRAWING TITLE             | DRAWING NO. | SHEET  | REV |
|--------------|---------------------------|-------------|--------|-----|
| NOT TO SCALE | FLOW RATE 2.5L/s - 3.5L/s | WFC200      | 1 OF 1 | D3  |