

**SV0600-C****ULTRA-VIOLET  
DISINFECTION  
SYSTEMS****SKAN UV-C SERIES****FEATURES**

- Suitable for drinking and process water disinfection
- Configurable for treated wastewater and other low UV-transmission liquids
- Robust stainless-steel reactor for long service life
- Consistent UV performance from high-output lamps
- Integrated lamp status indication with alarm functionality
- Volt-free contacts for remote fault monitoring
- Rated for 1,000kPa operating pressure with 1,600kPa (higher-pressure option available)



# SPECIFICATIONS

## PRODUCT CODE

SV0600-C

## FLOW RATES

Rated flow at dose 16 mJ/  
cm<sup>2</sup> @ 95% UVT 139.1 L/m (2.31 L/s)

Rated flow at dose 25 mJ/  
cm<sup>2</sup> @ 95% UVT 89 L/m (1.48 L/s)

Rated flow at dose 30 mJ/  
cm<sup>2</sup> @ 95% UVT 74.2 L/m (1.23 L/s)

Rated flow at dose 40 mJ/  
cm<sup>2</sup> @ 95% UVT 55.6 L/m (0.92  
L/s)

## OPERATING PARAMETERS

Max Operating Pressure 1000kPa

Ambient Air Temperature 0°C - 40°C

Influent Water Temperature 2°C - 37°C

Installation Orientation Horizontal  
mounting with  
outlet pointing up

## REACTOR

Chamber Material Stainless  
Steel G316L,  
Electropolished

In-Outlet Connection 1" (25mm) Male  
BSPT

Reactor Volume (L) 4.5L

Reactor Length Overall  
(~mm) 680mm

Space Required for  
Servicing (~mm) 700mm

Reactor Dry Weight (Kg) 3.0kg

Operating Pressure (Max) 10 Bar

Lamp Power (W) 53W

UV-C Output (W) 19W

Number of Lamps (Each  
Unit) 1ea

Lamp Life (Hrs) 9,000 Hours

## POWER SUPPLY BOX

Input 220-240 VAC, 50-60  
Hz

Power Consumption (W) -

Power Box Dimensions  
(mm) 205 x 75 x 53 mm

Power Box Weight (Kg) 0.7kg

IP Rating IP23

Lamp Lead Length (M) 2m

## FEATURES:

- Lamp parallel to water flow
- View/monitor port
- Easy to install brackets
- Watermark approved

## OPTIONS:

- UV intensity monitor
- Spare set of volt free contacts
- Higher IP rating
- Warm/Hot Water Version available
- Enclosure material 316ss, or glass reinforced polyester
- Longer lamp lead
- Different mains supply
- Chamber thermostat with solenoid valve for over-temperature protection

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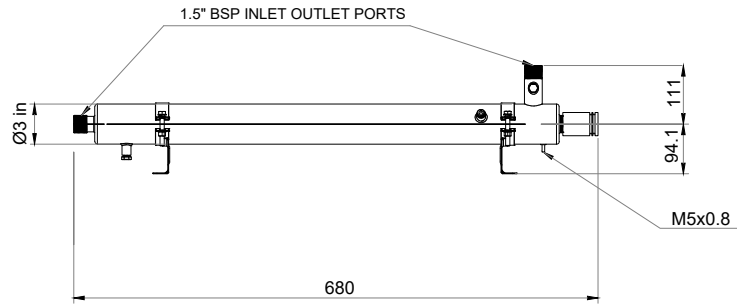
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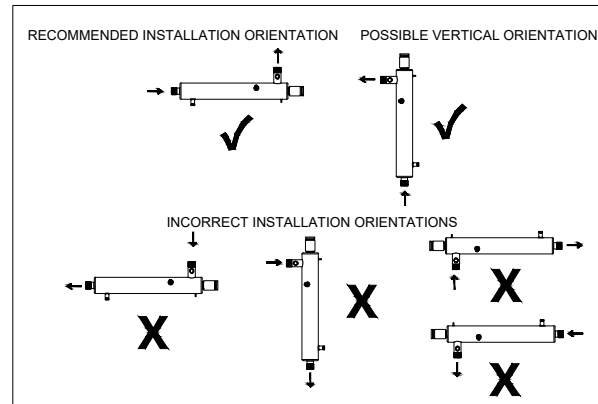
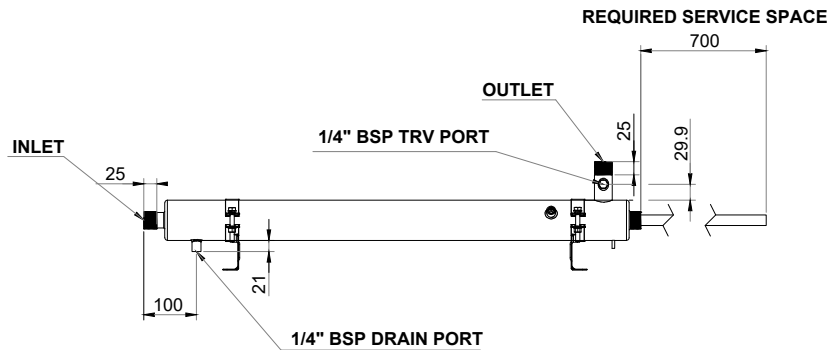
**SV0750-C****ULTRA-VIOLET  
DISINFECTION  
SYSTEMS****SKAN UV-C SERIES****FEATURES**

- Suitable for drinking and process water disinfection
- Configurable for treated wastewater and other low UV-transmission liquids
- Robust stainless-steel reactor for long service life
- Consistent UV performance from high-output lamps
- Integrated lamp status indication with alarm functionality
- Volt-free contacts for remote fault monitoring
- Rated for 1,000kPa operating pressure with 1,600kPa (higher-pressure option available)

# PLANS/DRAWINGS



ISOMETRIC VIEW



**STANDARD NOTES:**

- 1) SOUTHLAND FILTRATION SHALL SUPPLY AND INSTALL ALL EQUIPMENT AND PIPE WORK WITHIN THE BATTERY LIMITS STATED IN THE DRAWINGS UNLESS NOTED OTHERWISE.
- 2) PIPING ROUTES ARE INDICATIVE ONLY AND WILL BE SITE RUN TO SUIT FINAL LOCATIONS OF EQUIPMENT. PIPING SHALL BE INSTALLED AND SUPPORTED IN ACCORDANCE WITH AS/NZS 3500.
- 3) ALL ELECTRICAL WORKS (POWER AND CONTROL) SHALL BE BY CUSTOMER ("OTHERS") UNLESS NOTED OTHERWISE.
- 4) EACH 240V GPO SHALL BE SINGLE OUTLET ONLY, FLAT FACED AND IP54 RATED.
- 5) THREE PHASE CONNECTIONS TO EQUIPMENT SHALL BE PROVIDED WITH WALL MOUNTED ISOLATOR EXTERNAL TO EQUIPMENT. COMMANDO STYLE PLUGS SHALL BE USED WHERE SPECIFICALLY NOTED.
- 6) DRAIN LINE PENETRATIONS THROUGH FLOOR SHALL BE SUPPLIED WITH AN OPEN TUNDRISH AS NOTED ON DRAWINGS.



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0	FOR INFORMATION ONLY	30/04/2020	JM	RM	AC
REVISION NO.	DESCRIPTION	DATE	DRAWN	ENGINEER	AUTHORISED

FOR INFORMATION	
SOUTHLAND FILTRATION	
DRAWING NUMBER:	REVISION:
-	0
CAD FILE:	SHEET SIZE:
-	A3
SCALE:	1:3

CLIENT:	SOUTHLAND FILTRATION
PROJECT:	C750
TITLE:	GENERAL ARRANGEMENT

# SPECIFICATIONS

## PRODUCT CODE

SV0750-C

## FLOW RATES

Rated flow at dose 16 mJ/cm <sup>2</sup> @ 95% UVT	223.2 L/m (3.7 L/s)
Rated flow at dose 25 mJ/cm <sup>2</sup> @ 95% UVT	142.8 L/m (2.3 L/s)
Rated flow at dose 30 mJ/cm <sup>2</sup> @ 95% UVT	119 L/m (1.9 L/s)
Rated flow at dose 40 mJ/cm <sup>2</sup> @ 95% UVT	89.2 L/m (1.4 L/s)

## OPERATING PARAMETERS

Max Operating Pressure	1000kPa
Ambient Air Temperature	0°C - 40°C
Influent Water Temperature	2°C - 37°C
Installation Orientation	Horizontal mounting with outlet pointing up

## REACTOR

Chamber Material	Stainless Steel G316L, Electropolished
In-Outlet Connection	1.5" (40mm) Male BSPT
Reactor Volume (L)	4.5L
Reactor Length Overall (~mm)	680mm
Space Required for Servicing (~mm)	700mm
Reactor Dry Weight (Kg)	3.0kg
Operating Pressure (Max)	10 Bar
Lamp Power (W)	85W
UV-C Output (W)	29W
Number of Lamps (Each Unit)	1ea
Lamp Life (Hrs)	9,000 Hours

## POWER SUPPLY BOX

Input	220-240 VAC, 50-60 Hz
Power Consumption (W)	-
Power Box Dimensions (mm)	270 x 75 x 53 mm
Power Box Weight (Kg)	1.1kg
IP Rating	IP23
Lamp Lead Length (M)	2m

## FEATURES:

- Lamp parallel to water flow
- View/monitor port
- Easy to install brackets
- Watermark approved

## OPTIONS:

- UV intensity monitor
- Spare set of volt free contacts
- Higher IP rating
- Warm/Hot Water Version available
- Enclosure material 316ss, or glass reinforced polyester
- Longer lamp lead
- Different mains supply
- Chamber thermostat with solenoid valve for over-temperature protection

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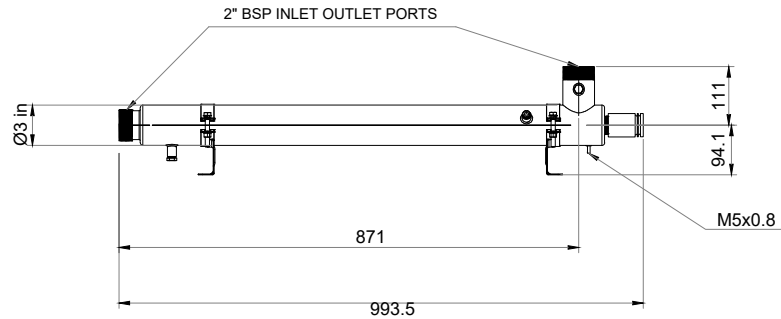
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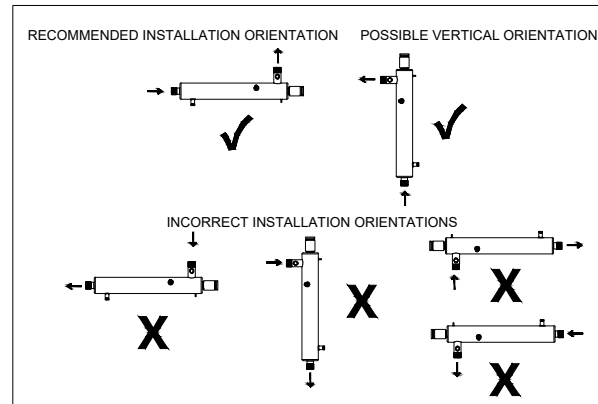
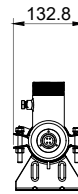
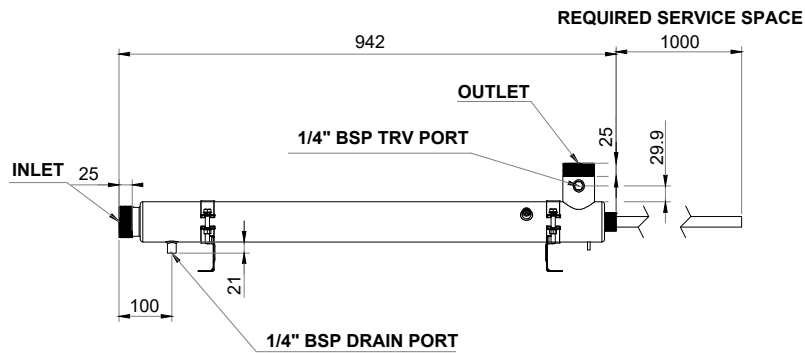
**SV1100-C****ULTRA-VIOLET  
DISINFECTION  
SYSTEMS****SKAN UV-C SERIES****FEATURES**

- Suitable for drinking and process water disinfection
- Configurable for treated wastewater and other low UV-transmission liquids
- Robust stainless-steel reactor for long service life
- Consistent UV performance from high-output lamps
- Integrated lamp status indication with alarm functionality
- Volt-free contacts for remote fault monitoring
- Rated for 1,000kPa operating pressure with 1,600kPa (higher-pressure option available)

# PLANS/DRAWINGS



ISOMETRIC VIEW



- STANDARD NOTES:**
- 1) SOUTHLAND FILTRATION SHALL SUPPLY AND INSTALL ALL EQUIPMENT AND PIPE WORK WITHIN THE BATTERY LIMITS STATED IN THE DRAWINGS UNLESS NOTED OTHERWISE.
  - 2) PIPING ROUTES ARE INDICATIVE ONLY AND WILL BE SITE RUN TO SUIT FINAL LOCATIONS OF EQUIPMENT. PIPING SHALL BE INSTALLED AND SUPPORTED IN ACCORDANCE WITH AS/NZS 3500.
  - 3) ALL ELECTRICAL WORKS (POWER AND CONTROL) SHALL BE BY CUSTOMER ("OTHERS") UNLESS NOTED OTHERWISE.
  - 4) EACH 240V GPO SHALL BE SINGLE OUTLET ONLY, FLAT FACED AND IP54 RATED.
  - 5) THREE PHASE CONNECTIONS TO EQUIPMENT SHALL BE PROVIDED WITH WALL MOUNTED ISOLATOR EXTERNAL TO EQUIPMENT. COMMANDO STYLE PLUGS SHALL BE USED WHERE SPECIFICALLY NOTED.
  - 6) DRAIN LINE PENETRATIONS THROUGH FLOOR SHALL BE SUPPLIED WITH AN OPEN TUNDRISH AS NOTED ON DRAWINGS.



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REVISION NO.	DESCRIPTION	DATE	DRAWN	ENGINEER	AUTHORISED
0	FOR INFORMATION ONLY	1.03.2026	JM	RM	AC

FOR INFORMATION	
DRAWING NUMBER:	SOUTHLAND FILTRATION
CAD FILE:	-
SCALE:	1:3

CLIENT:	SOUTHLAND FILTRATION
PROJECT:	C1100
TITLE:	GENERAL ARRANGEMENT

# SPECIFICATIONS

## PRODUCT CODE

SV1100-C

## FLOW RATES

Rated flow at dose 16 mJ/cm <sup>2</sup> @ 95% UVT	169.2 L/m (2.82 L/s)
Rated flow at dose 25 mJ/cm <sup>2</sup> @ 95% UVT	135 L/m (2.25 L/s)
Rated flow at dose 30 mJ/cm <sup>2</sup> @ 95% UVT	112.8 L/m (1.88 L/s)
Rated flow at dose 40 mJ/cm <sup>2</sup> @ 95% UVT	84.6 L/m (1.41 L/s)

## OPERATING PARAMETERS

Max Operating Pressure	1000kPa
Ambient Air Temperature	0°C - 40°C
Influent Water Temperature	2°C - 37°C
Installation Orientation	Horizontal mounting with outlet pointing up

## REACTOR

Chamber Material	Stainless Steel G316L, Electropolished
In-Outlet Connection	2" (50mm) Male BSPT
Reactor Volume (L)	3.6L
Reactor Length Overall (~mm)	1,006mm
Space Required for Servicing (~mm)	1,000mm
Reactor Dry Weight (Kg)	3.7kg
Operating Pressure (Max)	10 Bar
Lamp Power (W)	127W
UV-C Output (W)	43W
Number of Lamps (Each Unit)	1ea
Lamp Life (Hrs)	12,000 Hours

## POWER SUPPLY BOX

Input	220-240 VAC, 50-60 Hz
Power Consumption (W)	145W
Power Box Dimensions (mm)	400 x 300 x 200 mm
Power Box Weight (Kg)	9kg
IP Rating	IP23
Lamp Lead Length (M)	2m

## FEATURES:

- Lamp parallel to water flow
- View/monitor port
- Easy to install brackets
- Watermark approved

## OPTIONS:

- UV intensity monitor
- Spare set of volt free contacts
- Higher IP rating
- Warm/Hot Water Version available
- Enclosure material 316ss, or glass reinforced polyester
- Longer lamp lead
- Different mains supply
- Chamber thermostat with solenoid valve for over-temperature protection

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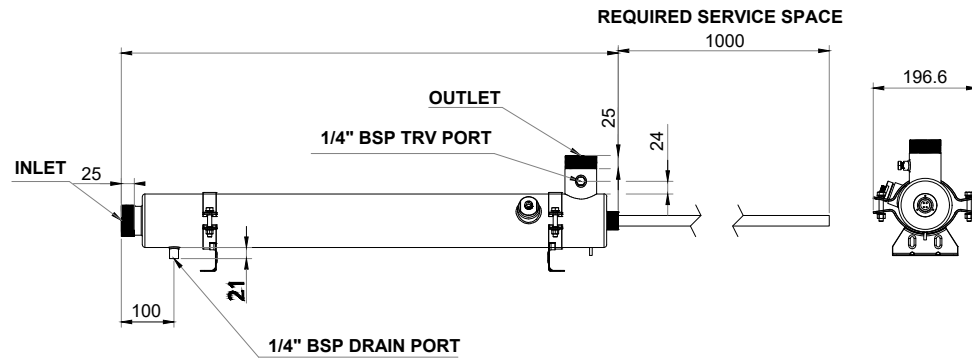
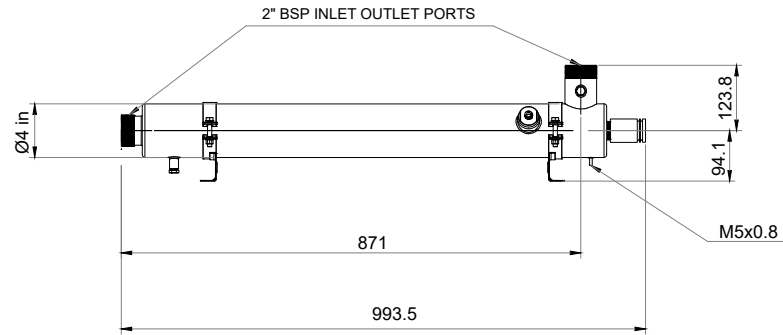
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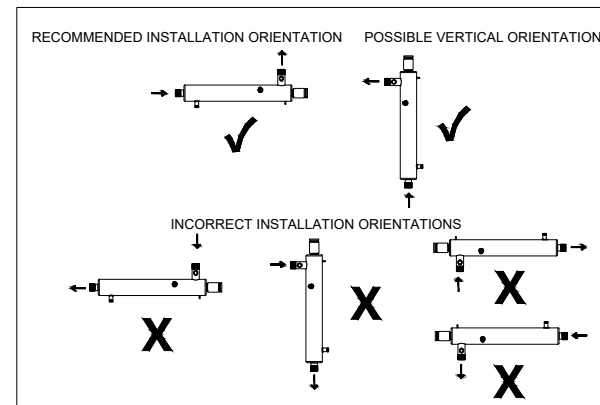
**SV1200-C****ULTRA-VIOLET  
DISINFECTION  
SYSTEMS****SKAN UV-C SERIES****FEATURES**

- Suitable for drinking and process water disinfection
- Configurable for treated wastewater and other low UV-transmission liquids
- Robust stainless-steel reactor for long service life
- Consistent UV performance from high-output lamps
- Integrated lamp status indication with alarm functionality
- Volt-free contacts for remote fault monitoring
- Rated for 1,000kPa operating pressure with 1,600kPa (higher-pressure option available)

# PLANS/DRAWINGS



ISOMETRIC VIEW



- STANDARD NOTES:**
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  - 2) PIPING ROUTES ARE INDICATIVE ONLY AND WILL BE SITE RUN TO SUIT FINAL LOCATIONS OF EQUIPMENT. PIPING SHALL BE INSTALLED AND SUPPORTED IN ACCORDANCE WITH AS/NZS 3500.
  - 3) ALL ELECTRICAL WORKS (POWER AND CONTROL) SHALL BE BY CUSTOMER ("OTHERS") UNLESS NOTED OTHERWISE.
  - 4) EACH 240V GPO SHALL BE SINGLE OUTLET ONLY, FLAT FACED AND IP54 RATED.
  - 5) THREE PHASE CONNECTIONS TO EQUIPMENT SHALL BE PROVIDED WITH WALL MOUNTED ISOLATOR EXTERNAL TO EQUIPMENT. COMMANDO STYLE PLUGS SHALL BE USED WHERE SPECIFICALLY NOTED.
  - 6) DRAIN LINE PENETRATIONS THROUGH FLOOR SHALL BE SUPPLIED WITH AN OPEN TUNDISH AS NOTED ON DRAWINGS.



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REVISION NO.	DESCRIPTION	DATE	DRAWN	ENGINEER	AUTHORISED
0	FOR INFORMATION ONLY	13/03/20	JM	RM	AC

FOR INFORMATION	
DRAWING NUMBER:	SOUTHLAND FILTRATION
REVISION:	0
CAD FILE:	-
SCALE:	1:3
SHEET SIZE:	A3

CLIENT:	SOUTHLAND FILTRATION
PROJECT:	C1200
TITLE:	GENERAL ARRANGEMENT

# SPECIFICATIONS

## PRODUCT CODE

SV1200-C

## FLOW RATES

Rated flow at dose 16 mJ/cm <sup>2</sup> @ 95% UVT	264.6 L/m (4.41 L/s)
Rated flow at dose 25 mJ/cm <sup>2</sup> @ 95% UVT	211.2 L/m (3.52 L/s)
Rated flow at dose 30 mJ/cm <sup>2</sup> @ 95% UVT	176.4 L/m (2.94 L/s)
Rated flow at dose 40 mJ/cm <sup>2</sup> @ 95% UVT	133.2 L/m (2.22 L/s)

## OPERATING PARAMETERS

Max Operating Pressure	1000kPa
Ambient Air Temperature	0°C - 40°C
Influent Water Temperature	2°C - 37°C
Installation Orientation	Horizontal mounting with outlet pointing up

## REACTOR

Chamber Material	Stainless Steel G316L, Electropolished
In-Outlet Connection	2" (50mm) Male BSPT
Reactor Volume (L)	6.5L
Reactor Length Overall (~mm)	1,006mm
Space Required for Servicing (~mm)	1,000mm
Reactor Dry Weight (Kg)	5.4kg
Operating Pressure (Max)	10 Bar
Lamp Power (W)	127W
UV-C Output (W)	43W
Number of Lamps (Each Unit)	1ea
Lamp Life (Hrs)	12,000 Hours

## POWER SUPPLY BOX

Input	220-240 VAC, 50-60 Hz
Power Consumption (W)	145W
Power Box Dimensions (mm)	400 x 300 x 200 mm
Power Box Weight (Kg)	9kg
IP Rating	IP23
Lamp Lead Length (M)	2m

## FEATURES:

- Lamp parallel to water flow
- View/monitor port
- Easy to install brackets
- Watermark approved

## OPTIONS:

- UV intensity monitor
- Spare set of volt free contacts
- Higher IP rating
- Warm/Hot Water Version available
- Enclosure material 316ss, or glass reinforced polyester
- Longer lamp lead
- Different mains supply
- Chamber thermostat with solenoid valve for over-temperature protection

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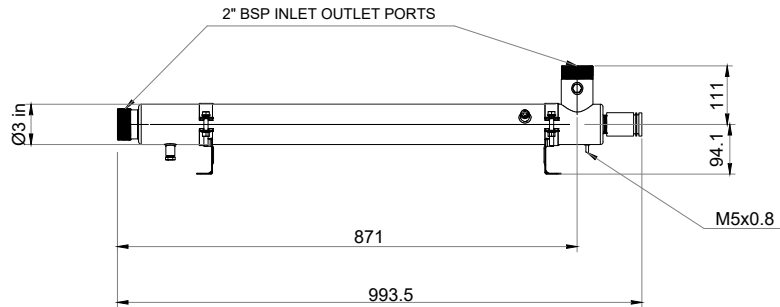
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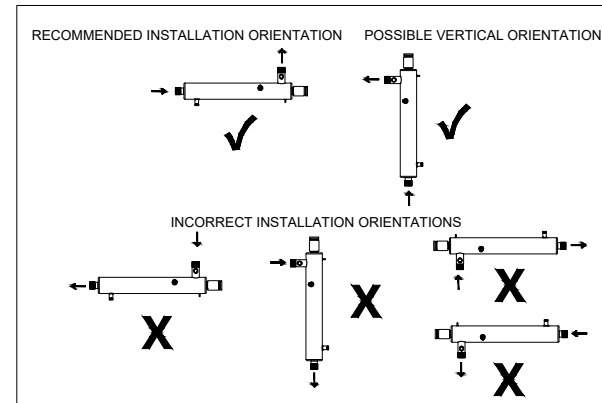
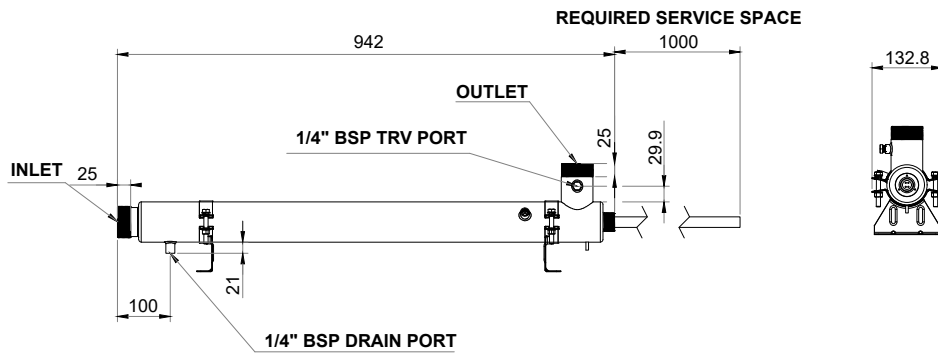
**SV1500-C****ULTRA-VIOLET  
DISINFECTION  
SYSTEMS****SKAN UV-C SERIES****FEATURES**

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- Configurable for treated wastewater and other low UV-transmission liquids
- Robust stainless-steel reactor for long service life
- Consistent UV performance from high-output lamps
- Integrated lamp status indication with alarm functionality
- Volt-free contacts for remote fault monitoring
- Rated for 1,000kPa operating pressure with 1,600kPa (higher-pressure option available)

# PLANS/DRAWINGS



ISOMETRIC VIEW



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- 2) PIPING ROUTES ARE INDICATIVE ONLY AND WILL BE SITE RUN TO SUIT FINAL LOCATIONS OF EQUIPMENT. PIPING SHALL BE INSTALLED AND SUPPORTED IN ACCORDANCE WITH AS/NZS 3500.
- 3) ALL ELECTRICAL WORKS (POWER AND CONTROL) SHALL BE BY CUSTOMER ("OTHERS") UNLESS NOTED OTHERWISE.
- 4) EACH 240V GPO SHALL BE SINGLE OUTLET ONLY, FLAT FACED AND IP54 RATED.
- 5) THREE PHASE CONNECTIONS TO EQUIPMENT SHALL BE PROVIDED WITH WALL MOUNTED ISOLATOR EXTERNAL TO EQUIPMENT. COMMANDO STYLE PLUGS SHALL BE USED WHERE SPECIFICALLY NOTED.
- 6) DRAIN LINE PENETRATIONS THROUGH FLOOR SHALL BE SUPPLIED WITH AN OPEN TUNDISH AS NOTED ON DRAWINGS.



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REVISION NO.	DESCRIPTION	DATE	DRAWN	ENGINEER	AUTHORISED

FOR INFORMATION	
DRAWING NUMBER:	SOUTHLAND FILTRATION
CAD FILE:	-
SCALE:	1:3

CLIENT:	SOUTHLAND FILTRATION
PROJECT:	C1500
TITLE:	GENERAL ARRANGEMENT

# SPECIFICATIONS

## PRODUCT CODE

SV1500-C

## FLOW RATES

Rated flow at dose 16 mJ/cm <sup>2</sup> @ 95% UVT	306 L/m (5.1 L/s)
Rated flow at dose 25 mJ/cm <sup>2</sup> @ 95% UVT	195 L/m (3.25L/s)
Rated flow at dose 30 mJ/cm <sup>2</sup> @ 95% UVT	162 L/m (2.70 L/s)
Rated flow at dose 40 mJ/cm <sup>2</sup> @ 95% UVT	121.2 L/m (2.02 L/s)

## OPERATING PARAMETERS

Max Operating Pressure	1000kPa
Ambient Air Temperature	0°C - 40°C
Influent Water Temperature	2°C - 37°C
Installation Orientation	Horizontal mounting with outlet pointing up

## REACTOR

Chamber Material	Stainless Steel G316L, Electropolished
In-Outlet Connection	2" (50mm) Male BSPT
Reactor Volume (L)	3.6L
Reactor Length Overall (~mm)	1,006mm
Space Required for Servicing (~mm)	1,000mm
Reactor Dry Weight (Kg)	3.7kg
Operating Pressure (Max)	10 Bar
Lamp Power (W)	172W
UV-C Output (W)	55W
Number of Lamps (Each Unit)	1ea
Lamp Life (Hrs)	12,000 Hours

## POWER SUPPLY BOX

Input	220-240 VAC, 50-60 Hz
Power Consumption (W)	190W
Power Box Dimensions (mm)	380 x 280 x 130 mm
Power Box Weight (Kg)	9kg
IP Rating	IP54
Lamp Lead Length (M)	2m

## FEATURES:

- Lamp parallel to water flow
- View/monitor port
- Easy to install brackets
- Watermark approved

## OPTIONS:

- UV intensity monitor
- Spare set of volt free contacts
- Warm/Hot Water Version available
- Enclosure material 316ss, or glass reinforced polyester
- Longer lamp lead
- Different mains supply
- Chamber thermostat with solenoid valve for over-temperature protection

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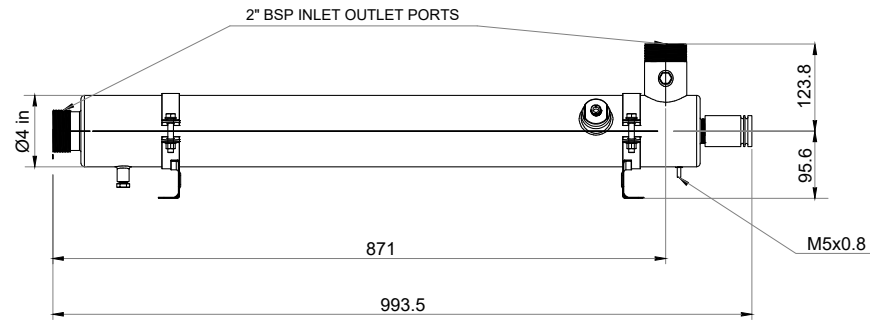
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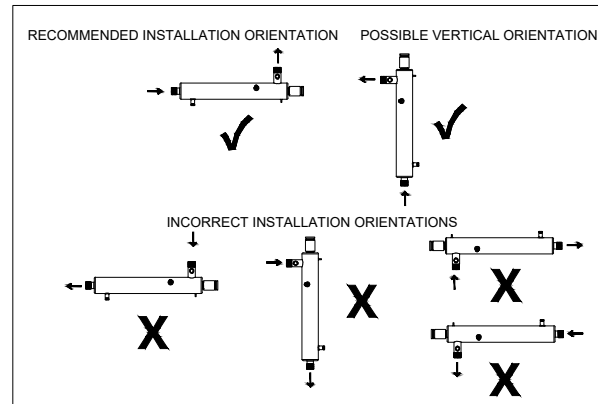
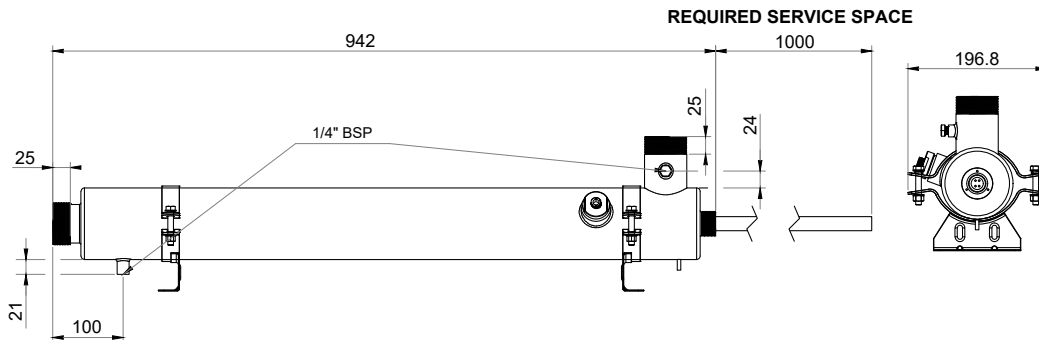
**SV1600-C****ULTRA-VIOLET  
DISINFECTION  
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# PLANS/DRAWINGS



ISOMETRIC VIEW



- STANDARD NOTES:**
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  - 2) PIPING ROUTES ARE INDICATIVE ONLY AND WILL BE SITE RUN TO SUIT FINAL LOCATIONS OF EQUIPMENT. PIPING SHALL BE INSTALLED AND SUPPORTED IN ACCORDANCE WITH AS/NZS 3500.
  - 3) ALL ELECTRICAL WORKS (POWER AND CONTROL) SHALL BE BY CUSTOMER ("OTHERS") UNLESS NOTED OTHERWISE.
  - 4) EACH 240V GPO SHALL BE SINGLE OUTLET ONLY, FLAT FACED AND IP54 RATED.
  - 5) THREE PHASE CONNECTIONS TO EQUIPMENT SHALL BE PROVIDED WITH WALL MOUNTED ISOLATOR EXTERNAL TO EQUIPMENT. COMMANDO STYLE PLUGS SHALL BE USED WHERE SPECIFICALLY NOTED.
  - 6) DRAIN LINE PENETRATIONS THROUGH FLOOR SHALL BE SUPPLIED WITH AN OPEN TUNDRISH AS NOTED ON DRAWINGS.



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0	FOR INFORMATION ONLY	03/2024	JM	RM	AC
REVISION NO.	DESCRIPTION	DATE	DRAWN	ENGINEER	AUTHORISED

FOR INFORMATION	
DRAWING NUMBER:	SOUTHLAND FILTRATION
REVISION:	0
CAD FILE:	
SCALE:	1:3
SHEET SIZE:	A3

CLIENT	SOUTHLAND FILTRATION
PROJECT	C1600
TITLE	GENERAL ARRANGEMENT

# SPECIFICATIONS

## PRODUCT CODE

SV1600-C

## FLOW RATES

Rated flow at dose 16 mJ/  
cm<sup>2</sup> @ 95% UVT 450 L/m (7.5 L/s)

Rated flow at dose 25 mJ/  
cm<sup>2</sup> @ 95% UVT 288 L/m (4.80 L/s)

Rated flow at dose 30 mJ/  
cm<sup>2</sup> @ 95% UVT 240 L/m (4.0 L/s)

Rated flow at dose 40 mJ/  
cm<sup>2</sup> @ 95% UVT 180 L/m (3.0 L/s)

## OPERATING PARAMETERS

Max Operating Pressure 1000kPa

Ambient Air Temperature 0°C - 40°C

Influent Water Temperature 2°C - 37°C

Installation Orientation Horizontal  
mounting with  
outlet pointing up

## REACTOR

Chamber Material Stainless  
Steel G316L,  
Electropolished

In-Outlet Connection 2" (50mm) Male  
BSPT

Reactor Volume (L) 6.5L

Reactor Length Overall  
(~mm) 1,006mm

Space Required for  
Servicing (~mm) 1,000mm

Reactor Dry Weight (Kg) 5.4kg

Operating Pressure (Max) 10 Bar

Lamp Power (W) 172W

UV-C Output (W) 55W

Number of Lamps (Each  
Unit) 1ea

Lamp Life (Hrs) 12,000 Hours

## POWER SUPPLY BOX

Input 220-240 VAC, 50-60  
Hz

Power Consumption (W) 190W

Power Box Dimensions  
(mm) 400 x 400 x 200 mm

Power Box Weight (Kg) 12kg

IP Rating IP54

Lamp Lead Length (M) 2m

## FEATURES:

- Lamp parallel to water flow
- View/monitor port
- Easy to install brackets
- Watermark approved

## OPTIONS:

- UV intensity monitor
- Spare set of volt free contacts
- Warm/Hot Water Version available
- Enclosure material 316ss, or glass reinforced polyester
- Longer lamp lead
- Different mains supply
- Chamber thermostat with solenoid valve for over-temperature protection

Disclaimer. Southland Filtration reserves the right to, at any time change any details of design, specifications and performance figures of any published data.

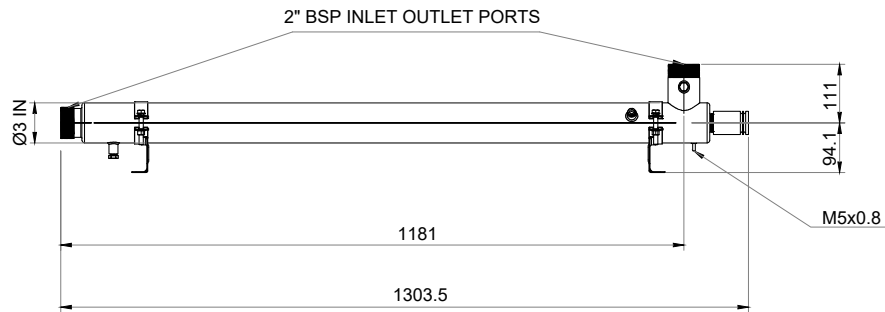
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FILTRATION

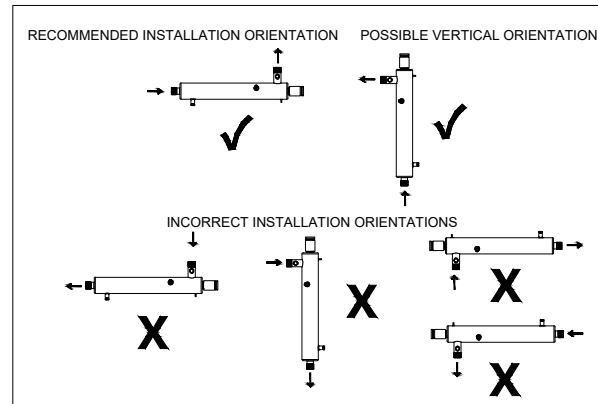
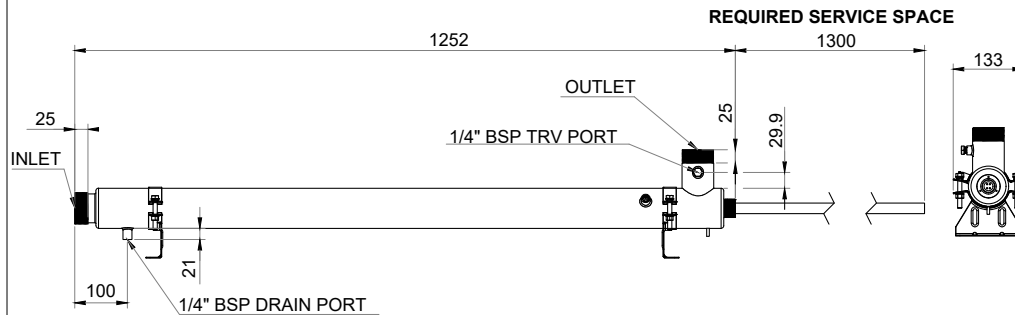
**SV1700-C****ULTRA-VIOLET  
DISINFECTION  
SYSTEMS****SKAN UV-C SERIES****FEATURES**

- Suitable for drinking and process water disinfection
- Configurable for treated wastewater and other low UV-transmission liquids
- Robust stainless-steel reactor for long service life
- Consistent UV performance from high-output lamps
- Integrated lamp status indication with alarm functionality
- Volt-free contacts for remote fault monitoring
- Rated for 1,000kPa operating pressure with 1,600kPa (higher-pressure option available)

# PLANS/DRAWINGS



ISOMETRIC VIEW



- STANDARD NOTES:**
- 1) SOUTHLAND FILTRATION SHALL SUPPLY AND INSTALL ALL EQUIPMENT AND PIPE WORK WITHIN THE BATTERY LIMITS STATED IN THE DRAWINGS UNLESS NOTED OTHERWISE.
  - 2) PIPING ROUTES ARE INDICATIVE ONLY AND WILL BE SITE RUN TO SUIT FINAL LOCATIONS OF EQUIPMENT. PIPING SHALL BE INSTALLED AND SUPPORTED IN ACCORDANCE WITH AS/NZS 3500.
  - 3) ALL ELECTRICAL WORKS (POWER AND CONTROL) SHALL BE BY CUSTOMER ("OTHERS") UNLESS NOTED OTHERWISE.
  - 4) EACH 240V GPO SHALL BE SINGLE OUTLET ONLY, FLAT FACED AND IP54 RATED.
  - 5) THREE PHASE CONNECTIONS TO EQUIPMENT SHALL BE PROVIDED WITH WALL MOUNTED ISOLATOR EXTERNAL TO EQUIPMENT. COMMANDO STYLE PLUGS SHALL BE USED WHERE SPECIFICALLY NOTED.
  - 6) DRAIN LINE PENETRATIONS THROUGH FLOOR SHALL BE SUPPLIED WITH AN OPEN TUNDISH AS NOTED ON DRAWINGS.



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REVISION NO.	DESCRIPTION	DATE	DRAWN	ENGINEER	AUTHORISED
0	FOR INFORMATION ONLY	13/03/2018	JM	RM	AC

FOR INFORMATION	
DRAWING NUMBER:	SOUTHLAND FILTRATION
CAD FILE:	
SCALE:	1:3

CLIENT:	SOUTHLAND FILTRATION
PROJECT:	C1700
TITLE:	GENERAL ARRANGEMENT

# SPECIFICATIONS

## PRODUCT CODE

SV1700-C

## FLOW RATES

Rated flow at dose 16 mJ/cm <sup>2</sup> @ 95% UVT	257.4 L/m (4.29 L/s)
Rated flow at dose 25 mJ/cm <sup>2</sup> @ 95% UVT	204.6 L/m (3.41 L/s)
Rated flow at dose 30 mJ/cm <sup>2</sup> @ 95% UVT	171.6 L/m (2.86 L/s)
Rated flow at dose 40 mJ/cm <sup>2</sup> @ 95% UVT	127.8 L/m (2.13 L/s)

## OPERATING PARAMETERS

Max Operating Pressure	1000kPa
Ambient Air Temperature	0°C - 40°C
Influent Water Temperature	2°C - 37°C
Installation Orientation	Horizontal mounting with outlet pointing up

## REACTOR

Chamber Material	Stainless Steel G316L, Electropolished
In-Outlet Connection	2" (50mm) Male BSPT
Reactor Volume (L)	4.7L
Reactor Length Overall (~mm)	1,315 mm
Space Required for Servicing (~mm)	1,300 mm
Reactor Dry Weight (Kg)	8kg
Operating Pressure (Max)	10 Bar
Lamp Power (W)	200W
UV-C Output (W)	57W
Number of Lamps (Each Unit)	1ea
Lamp Life (Hrs)	12,000 Hours

## POWER SUPPLY BOX

Input	220-240 VAC, 50-60 Hz
Power Consumption (W)	200W
Power Box Dimensions (mm)	400 x 300 x 200 mm
Power Box Weight (Kg)	12kg
IP Rating	IP23
Lamp Lead Length (M)	2m

## FEATURES:

- Lamp parallel to water flow
- View/monitor port
- Easy to install brackets
- Watermark approved

## OPTIONS:

- UV intensity monitor
- Spare set of volt free contacts
- Higher IP rating
- Warm/Hot Water Version available
- Enclosure material 316ss, or glass reinforced polyester
- Longer lamp lead
- Different mains supply
- Chamber thermostat with solenoid valve for over-temperature protection

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## SV1800-C

# ULTRA-VIOLET DISINFECTION SYSTEMS

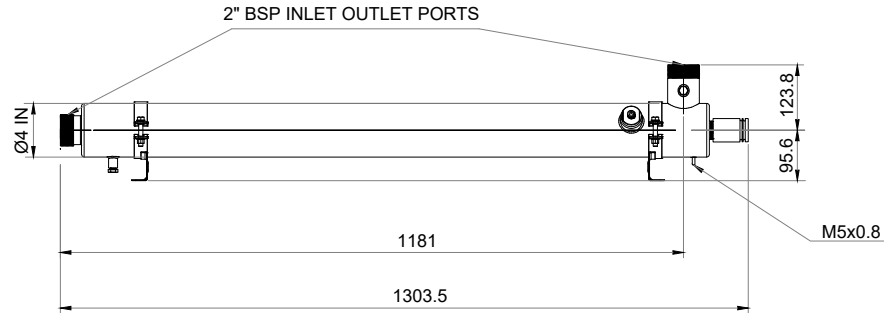


### SKAN UV-C SERIES

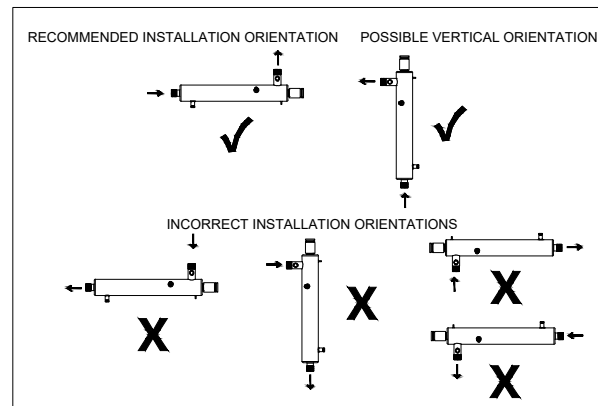
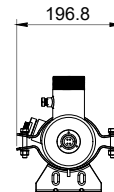
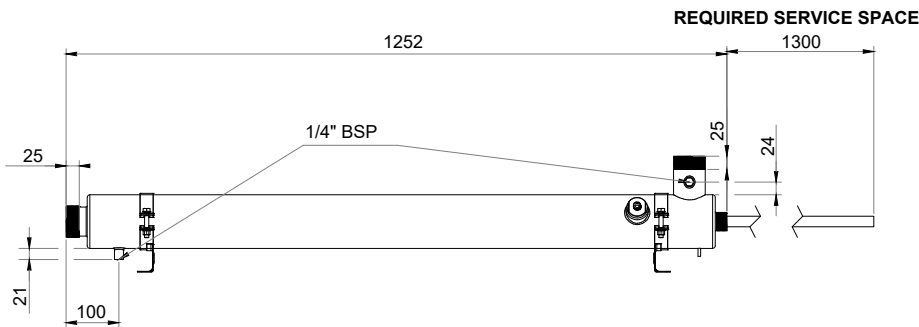
## FEATURES

- Suitable for drinking and process water disinfection
- Configurable for treated wastewater and other low UV-transmission liquids
- Robust stainless-steel reactor for long service life
- Consistent UV performance from high-output lamps
- Integrated lamp status indication with alarm functionality
- Volt-free contacts for remote fault monitoring
- Rated for 1,000kPa operating pressure with 1,600kPa (higher-pressure option available)

# PLANS/DRAWINGS



ISOMETRIC VIEW



- STANDARD NOTES:**
- 1) SOUTHLAND FILTRATION SHALL SUPPLY AND INSTALL ALL EQUIPMENT AND PIPE WORK WITHIN THE BATTERY LIMITS STATED IN THE DRAWINGS UNLESS NOTED OTHERWISE.
  - 2) PIPING ROUTES ARE INDICATIVE ONLY AND WILL BE SITE RUN TO SUIT FINAL LOCATIONS OF EQUIPMENT. PIPING SHALL BE INSTALLED AND SUPPORTED IN ACCORDANCE WITH AS/NZS 3500.
  - 3) ALL ELECTRICAL WORKS (POWER AND CONTROL) SHALL BE BY CUSTOMER ("OTHERS") UNLESS NOTED OTHERWISE.
  - 4) EACH 240V GPO SHALL BE SINGLE OUTLET ONLY, FLAT FACED AND IP54 RATED.
  - 5) THREE PHASE CONNECTIONS TO EQUIPMENT SHALL BE PROVIDED WITH WALL MOUNTED ISOLATOR EXTERNAL TO EQUIPMENT. COMMANDO STYLE PLUGS SHALL BE USED WHERE SPECIFICALLY NOTED.
  - 6) DRAIN LINE PENETRATIONS THROUGH FLOOR SHALL BE SUPPLIED WITH AN OPEN TUNDISH AS NOTED ON DRAWINGS.



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REVISION NO.	DESCRIPTION	DATE	DRAWN	ENGINEER	AUTHORISED
0	FOR INFORMATION ONLY	10/03/2020	JM	RM	AC

FOR INFORMATION	
DRAWING NUMBER:	SOUTHLAND FILTRATION
CAD FILE:	-
SCALE:	1:3

CLIENT	SOUTHLAND FILTRATION
PROJECT	C1800
TITLE	GENERAL ARRANGEMENT

# SPECIFICATIONS

## PRODUCT CODE

SV1800-C

## FLOW RATES

Rated flow at dose 16 mJ/cm <sup>2</sup> @ 95% UVT	367.2 L/m (6.12 L/s)
Rated flow at dose 25 mJ/cm <sup>2</sup> @ 95% UVT	296.4 L/m (4.94 L/s)
Rated flow at dose 30 mJ/cm <sup>2</sup> @ 95% UVT	244.8 L/m (4.08 L/s)
Rated flow at dose 40 mJ/cm <sup>2</sup> @ 95% UVT	183 L/m (3.05 L/s)

## OPERATING PARAMETERS

Max Operating Pressure	1000kPa
Ambient Air Temperature	0°C - 40°C
Influent Water Temperature	2°C - 37°C
Installation Orientation	Horizontal mounting with outlet pointing up

## REACTOR

Chamber Material	Stainless Steel G316L, Electropolished
In-Outlet Connection	2" (50mm) Male BSPT
Reactor Volume (L)	8.7L
Reactor Length Overall (~mm)	1,315 mm
Space Required for Servicing (~mm)	1,300 mm
Reactor Dry Weight (Kg)	11.3kg
Operating Pressure (Max)	10 Bar
Lamp Power (W)	180W
UV-C Output (W)	57W
Number of Lamps (Each Unit)	1ea
Lamp Life (Hrs)	12,000 Hours

## POWER SUPPLY BOX

Input	220-240 VAC, 50-60 Hz
Power Consumption (W)	180W
Power Box Dimensions (mm)	400 x 300 x 200 mm
Power Box Weight (Kg)	12kg
IP Rating	IP23
Lamp Lead Length (M)	2m

## FEATURES:

- Lamp parallel to water flow
- View/monitor port
- Easy to install brackets
- Watermark approved

## OPTIONS:

- UV intensity monitor
- Spare set of volt free contacts
- Higher IP rating
- Warm/Hot Water Version available
- Enclosure material 316ss, or glass reinforced polyester
- Longer lamp lead
- Different mains supply
- Chamber thermostat with solenoid valve for over-temperature protection

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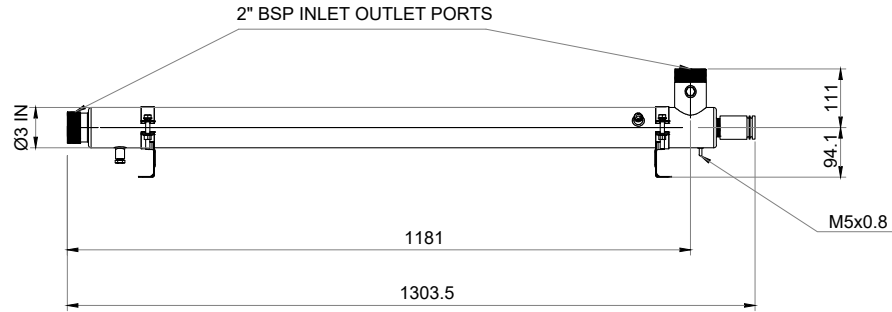
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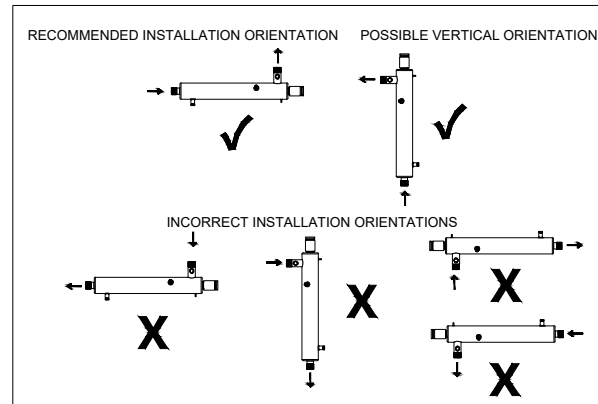
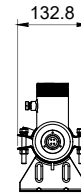
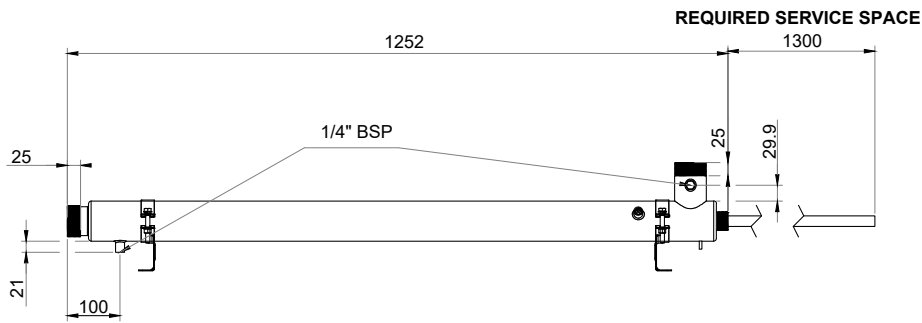
**SV1900-C****ULTRA-VIOLET  
DISINFECTION  
SYSTEMS****SKAN UV-C SERIES****FEATURES**

- Suitable for drinking and process water disinfection
- Configurable for treated wastewater and other low UV-transmission liquids
- Robust stainless-steel reactor for long service life
- Consistent UV performance from high-output lamps
- Integrated lamp status indication with alarm functionality
- Volt-free contacts for remote fault monitoring
- Rated for 1,000kPa operating pressure with 1,600kPa (higher-pressure option available)

# PLANS/DRAWINGS



ISOMETRIC VIEW



- STANDARD NOTES:**
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  - 2) PIPING ROUTES ARE INDICATIVE ONLY AND WILL BE SITE RUN TO SUIT FINAL LOCATIONS OF EQUIPMENT. PIPING SHALL BE INSTALLED AND SUPPORTED IN ACCORDANCE WITH AS/NZS 3500.
  - 3) ALL ELECTRICAL WORKS (POWER AND CONTROL) SHALL BE BY CUSTOMER ("OTHERS") UNLESS NOTED OTHERWISE.
  - 4) EACH 240V GPO SHALL BE SINGLE OUTLET ONLY, FLAT FACED AND IP54 RATED.
  - 5) THREE PHASE CONNECTIONS TO EQUIPMENT SHALL BE PROVIDED WITH WALL MOUNTED ISOLATOR EXTERNAL TO EQUIPMENT. COMMANDO STYLE PLUGS SHALL BE USED WHERE SPECIFICALLY NOTED.
  - 6) DRAIN LINE PENETRATIONS THROUGH FLOOR SHALL BE SUPPLIED WITH AN OPEN TUNDISH AS NOTED ON DRAWINGS.



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REVISION NO.	DESCRIPTION	DATE	DRAWN	ENGINEER	AUTHORISED
0	FOR INFORMATION ONLY	11.03.2020	JM	RM	AC

FOR INFORMATION	
DRAWING NUMBER:	SOUTHLAND FILTRATION
CAD FILE:	-
SCALE:	1:3

CLIENT	SOUTHLAND FILTRATION
PROJECT	C1900
TITLE	GENERAL ARRANGEMENT

# SPECIFICATIONS

## PRODUCT CODE

SV1900-C

## FLOW RATES

Rated flow at dose 16 mJ/cm <sup>2</sup> @ 95% UVT	456 L/m (7.6 L/s)
Rated flow at dose 25 mJ/cm <sup>2</sup> @ 95% UVT	289.8 L/m (4.83 L/s)
Rated flow at dose 30 mJ/cm <sup>2</sup> @ 95% UVT	241.2 L/m (4.02 L/s)
Rated flow at dose 40 mJ/cm <sup>2</sup> @ 95% UVT	183 L/m (3.05 L/s)

## OPERATING PARAMETERS

Max Operating Pressure	1000kPa
Ambient Air Temperature	0°C - 40°C
Influent Water Temperature	2°C - 37°C
Installation Orientation	Horizontal mounting with outlet pointing up

## REACTOR

Chamber Material	Stainless Steel G316L, Electropolished
In-Outlet Connection	2" (50mm) Male BSPT
Reactor Volume (L)	4.7L
Reactor Length Overall (~mm)	1,315 mm
Space Required for Servicing (~mm)	1,300 mm
Reactor Dry Weight (Kg)	8kg
Operating Pressure (Max)	10 Bar
Lamp Power (W)	240W
UV-C Output (W)	76W
Number of Lamps (Each Unit)	1ea
Lamp Life (Hrs)	12,000 Hours

## POWER SUPPLY BOX

Input	220-240 VAC, 50-60 Hz
Power Consumption (W)	240W
Power Box Dimensions (mm)	380 x 280 x 130 mm
Power Box Weight (Kg)	9kg
IP Rating	IP54
Lamp Lead Length (M)	2m

## FEATURES:

- Lamp parallel to water flow
- View/monitor port
- Easy to install brackets
- Watermark approved

## OPTIONS:

- UV intensity monitor
- Spare set of volt free contacts
- Warm/Hot Water Version available
- Enclosure material 316ss, or glass reinforced polyester
- Longer lamp lead
- Different mains supply
- Chamber thermostat with solenoid valve for over-temperature protection

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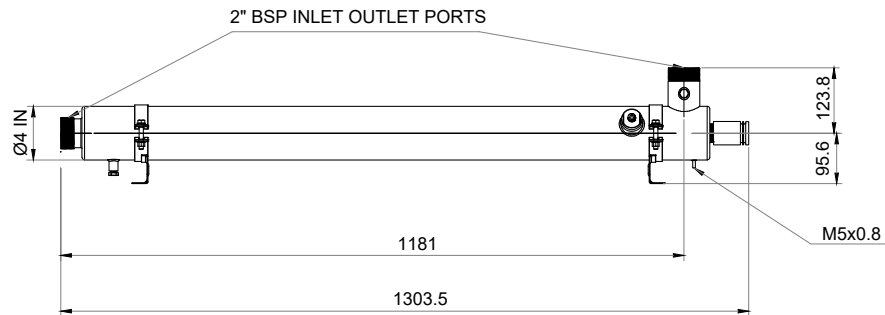
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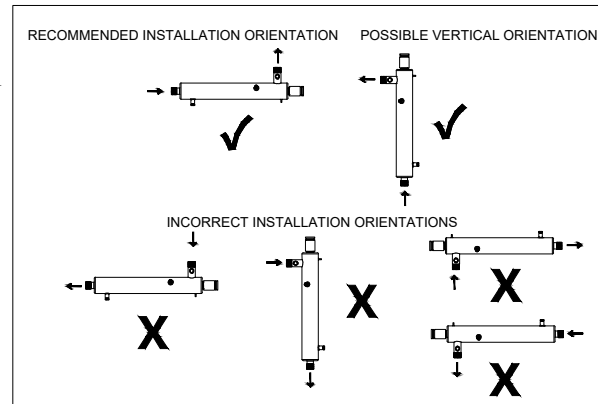
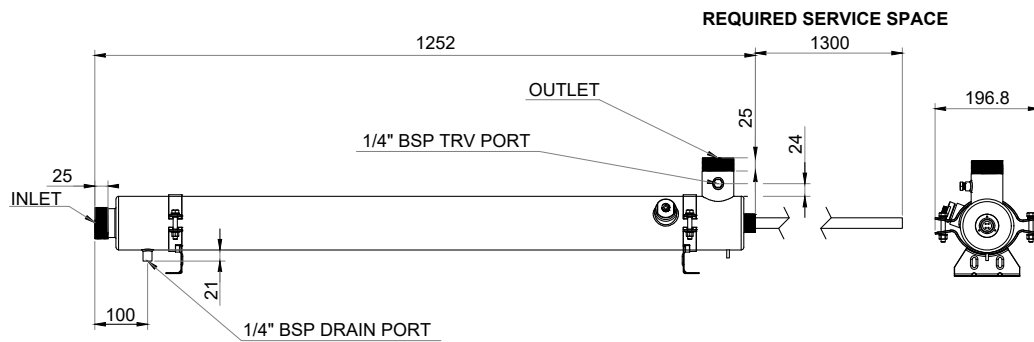
**SV2000-C****ULTRA-VIOLET  
DISINFECTION  
SYSTEMS****SKAN UV-C SERIES****FEATURES**

- Suitable for drinking and process water disinfection
- Configurable for treated wastewater and other low UV-transmission liquids
- Robust stainless-steel reactor for long service life
- Consistent UV performance from high-output lamps
- Integrated lamp status indication with alarm functionality
- Volt-free contacts for remote fault monitoring
- Rated for 1,000kPa operating pressure with 1,600kPa (higher-pressure option available)

# PLANS/DRAWINGS



ISOMETRIC VIEW



- STANDARD NOTES:**
- 1) SOUTHLAND FILTRATION SHALL SUPPLY AND INSTALL ALL EQUIPMENT AND PIPE WORK WITHIN THE BATTERY LIMITS STATED IN THE DRAWINGS UNLESS NOTED OTHERWISE.
  - 2) PIPING ROUTES ARE INDICATIVE ONLY AND WILL BE SITE RUN TO SUIT FINAL LOCATIONS OF EQUIPMENT. PIPING SHALL BE INSTALLED AND SUPPORTED IN ACCORDANCE WITH AS/NZS 3500.
  - 3) ALL ELECTRICAL WORKS (POWER AND CONTROL) SHALL BE BY CUSTOMER ("OTHERS") UNLESS NOTED OTHERWISE.
  - 4) EACH 240V GPO SHALL BE SINGLE OUTLET ONLY, FLAT FACED AND IP54 RATED.
  - 5) THREE PHASE CONNECTIONS TO EQUIPMENT SHALL BE PROVIDED WITH WALL MOUNTED ISOLATOR EXTERNAL TO EQUIPMENT. COMMANDO STYLE PLUGS SHALL BE USED WHERE SPECIFICALLY NOTED.
  - 6) DRAIN LINE PENETRATIONS THROUGH FLOOR SHALL BE SUPPLIED WITH AN OPEN TUNDRISH AS NOTED ON DRAWINGS.



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REVISION NO.	DESCRIPTION	DATE	DRAWN	ENGINEER	AUTHORISED
0	FOR INFORMATION ONLY	11.03.2020	JM	RM	AC

FOR INFORMATION	
DRAWING NUMBER:	SOUTHLAND FILTRATION
REVISION:	0
CAD FILE:	
SCALE:	1:3
SHEET SIZE:	A3

CLIENT:	SOUTHLAND FILTRATION
PROJECT:	C2000
TITLE:	GENERAL ARRANGEMENT

# SPECIFICATIONS

## PRODUCT CODE

SV2000-C

## FLOW RATES

Rated flow at dose 16 mJ/cm <sup>2</sup> @ 95% UVT	525 L/m (8.75 L/s)
Rated flow at dose 25 mJ/cm <sup>2</sup> @ 95% UVT	420 L/m (7.0 L/s)
Rated flow at dose 30 mJ/cm <sup>2</sup> @ 95% UVT	349.8 L/m (5.83 L/s)
Rated flow at dose 40 mJ/cm <sup>2</sup> @ 95% UVT	262.8 L/m (4.38 L/s)

## OPERATING PARAMETERS

Max Operating Pressure	1000kPa
Ambient Air Temperature	0°C - 40°C
Influent Water Temperature	2°C - 37°C
Installation Orientation	Horizontal mounting with outlet pointing up

## REACTOR

Chamber Material	Stainless Steel G316L, Electropolished
In-Outlet Connection	2" (50mm) Male BSPT
Reactor Volume (L)	8.7L
Reactor Length Overall (~mm)	1,315 mm
Space Required for Servicing (~mm)	1,300 mm
Reactor Dry Weight (Kg)	11.3kg
Operating Pressure (Max)	10 Bar
Lamp Power (W)	240W
UV-C Output (W)	76W
Number of Lamps (Each Unit)	1ea
Lamp Life (Hrs)	12,000 Hours

## POWER SUPPLY BOX

Input	220-240 VAC, 50-60 Hz
Power Consumption (W)	270W
Power Box Dimensions (mm)	400 x 400 x 200 mm
Power Box Weight (Kg)	12kg
IP Rating	IP54
Lamp Lead Length (M)	2m

## FEATURES:

- Lamp parallel to water flow
- View/monitor port
- Easy to install brackets
- Watermark approved

## OPTIONS:

- UV intensity monitor
- Spare set of volt free contacts
- Warm/Hot Water Version available
- Enclosure material 316ss, or glass reinforced polyester
- Longer lamp lead
- Different mains supply
- Chamber thermostat with solenoid valve for over-temperature protection

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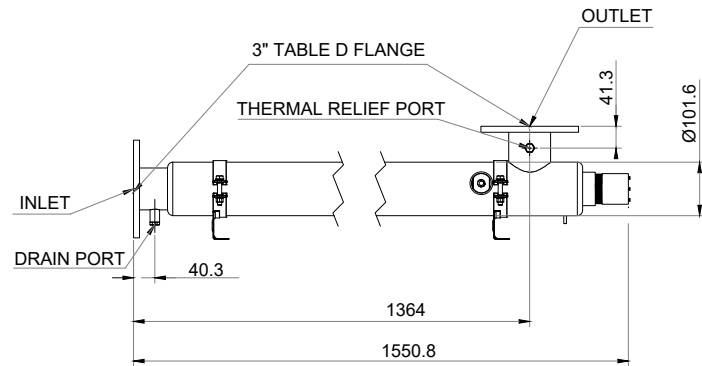
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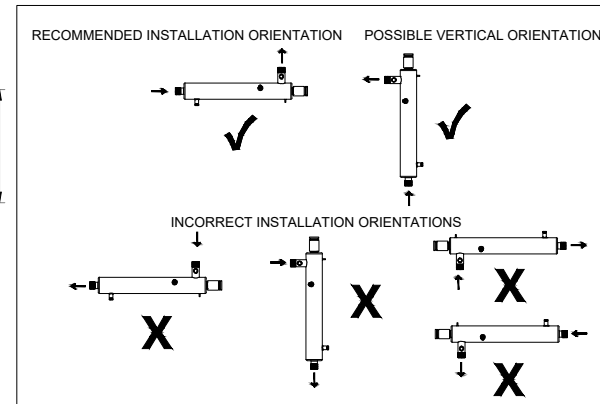
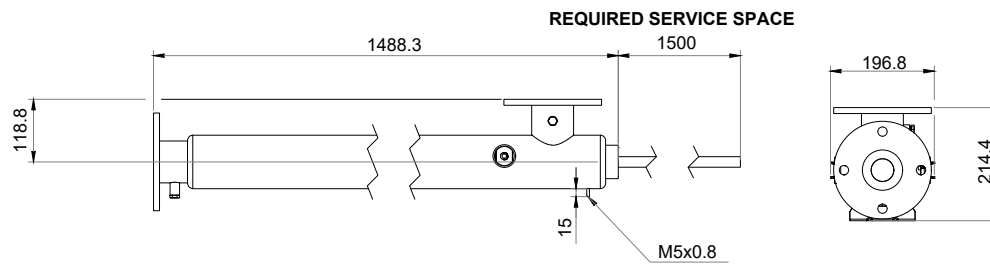
**SV4500-C****ULTRA-VIOLET  
DISINFECTION  
SYSTEMS****SKAN UV-C SERIES****FEATURES**

- Suitable for drinking and process water disinfection
- Configurable for treated wastewater and other low UV-transmission liquids
- Robust stainless-steel reactor for long service life
- Consistent UV performance from high-output lamps
- Integrated lamp status indication with alarm functionality
- Volt-free contacts for remote fault monitoring
- Rated for 1,000kPa operating pressure with 1,600kPa (higher-pressure option available)

# PLANS/DRAWINGS



ISOMETRIC VIEW



- STANDARD NOTES:**
- 1) SOUTHLAND FILTRATION SHALL SUPPLY AND INSTALL ALL EQUIPMENT AND PIPE WORK WITHIN THE BATTERY LIMITS STATED IN THE DRAWINGS UNLESS NOTED OTHERWISE.
  - 2) PIPING ROUTES ARE INDICATIVE ONLY AND WILL BE SITE RUN TO SUIT FINAL LOCATIONS OF EQUIPMENT. PIPING SHALL BE INSTALLED AND SUPPORTED IN ACCORDANCE WITH AS/NZS 3500.
  - 3) ALL ELECTRICAL WORKS (POWER AND CONTROL) SHALL BE BY CUSTOMER ("OTHERS") UNLESS NOTED OTHERWISE.
  - 4) EACH 240V GPO SHALL BE SINGLE OUTLET ONLY, FLAT FACED AND IP54 RATED.
  - 5) THREE PHASE CONNECTIONS TO EQUIPMENT SHALL BE PROVIDED WITH WALL MOUNTED ISOLATOR EXTERNAL TO EQUIPMENT. COMMANDO STYLE PLUGS SHALL BE USED WHERE SPECIFICALLY NOTED.
  - 6) DRAIN LINE PENETRATIONS THROUGH FLOOR SHALL BE SUPPLIED WITH AN OPEN TUNDISH AS NOTED ON DRAWINGS.



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REVISION NO.	DESCRIPTION	DATE	DRAWN	ENGINEER	AUTHORISED
0	FOR INFORMATION ONLY	11/03/2020	JM	RM	AC

FOR INFORMATION	
DRAWING NUMBER:	SOUTHLAND FILTRATION
CAD FILE:	-
SCALE:	1:3

CLIENT	SOUTHLAND FILTRATION
PROJECT	C4500
TITLE	GENERAL ARRANGEMENT

# SPECIFICATIONS

## PRODUCT CODE

SV4500-C

## FLOW RATES

Rated flow at dose 16 mJ/cm <sup>2</sup> @ 95% UVT	750 L/m (12.5 L/s)
Rated flow at dose 25 mJ/cm <sup>2</sup> @ 95% UVT	598.2 L/m (9.97 L/s)
Rated flow at dose 30 mJ/cm <sup>2</sup> @ 95% UVT	529.8 L/m (8.33 L/s)
Rated flow at dose 40 mJ/cm <sup>2</sup> @ 95% UVT	375 L/m (6.25 L/s)

## OPERATING PARAMETERS

Max Operating Pressure	1000kPa
Ambient Air Temperature	0°C - 40°C
Influent Water Temperature	2°C - 37°C
Installation Orientation	Horizontal mounting with outlet pointing up

## REACTOR

Chamber Material	Stainless Steel G316L, Electropolished
In-Outlet Connection	3" (80mm) Table E flange
Reactor Volume (L)	9L
Reactor Length Overall (~mm)	1,520 mm
Space Required for Servicing (~mm)	1,500 mm
Reactor Dry Weight (Kg)	18kg
Operating Pressure (Max)	10 Bar
Lamp Power (W)	450W
UV-C Output (W)	157W
Number of Lamps (Each Unit)	1ea
Lamp Life (Hrs)	12,000 Hours

## POWER SUPPLY BOX

Input	220-240 VAC, 50-60 Hz, 2.7A
Power Consumption (W)	500W
Power Box Dimensions (mm)	400 x 400 x 200 mm
Power Box Weight (Kg)	12kg
IP Rating	IP54
Lamp Lead Length (M)	2m

## FEATURES:

- Lamp parallel to water flow
- View/monitor port
- Easy to install brackets
- Watermark approved

## OPTIONS:

- UV intensity monitor
- Spare set of volt free contacts
- Warm/Hot Water Version available
- Enclosure material 316ss, or glass reinforced polyester
- Longer lamp lead
- Different mains supply
- Chamber thermostat with solenoid valve for over-temperature protection

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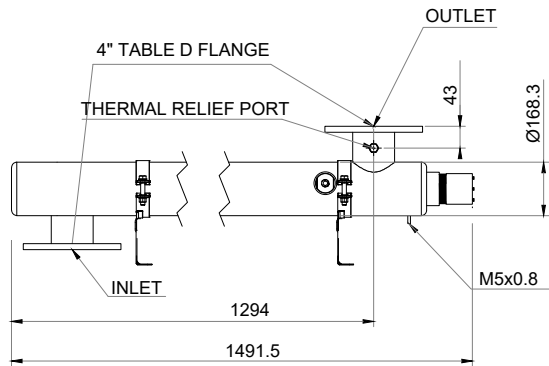
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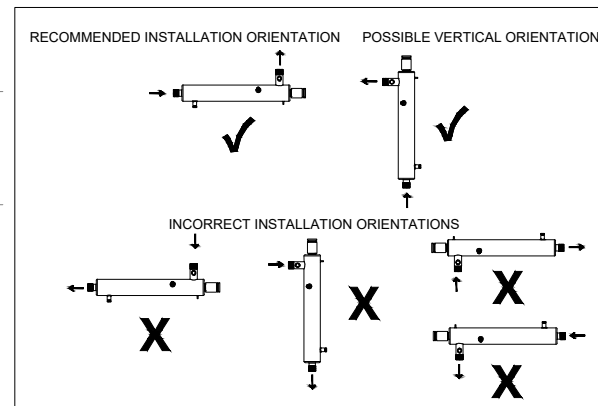
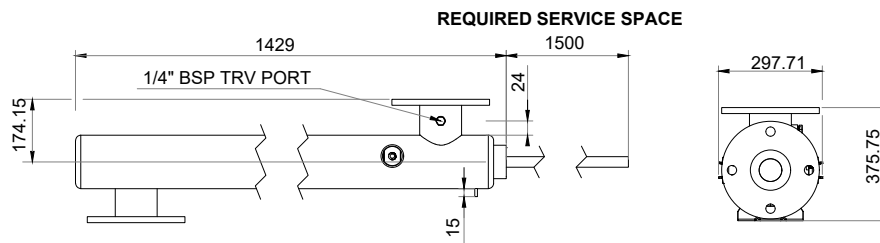
**SV5500-C****ULTRA-VIOLET  
DISINFECTION  
SYSTEMS****SKAN UV-C SERIES****FEATURES**

- Suitable for drinking and process water disinfection
- Configurable for treated wastewater and other low UV-transmission liquids
- Robust stainless-steel reactor for long service life
- Consistent UV performance from high-output lamps
- Integrated lamp status indication with alarm functionality
- Volt-free contacts for remote fault monitoring
- Rated for 1,000kPa operating pressure with 1,600kPa (higher-pressure option available)

# PLANS/DRAWINGS



ISOMETRIC VIEW



- STANDARD NOTES:**
- 1) SOUTHLAND FILTRATION SHALL SUPPLY AND INSTALL ALL EQUIPMENT AND PIPE WORK WITHIN THE BATTERY LIMITS STATED IN THE DRAWINGS UNLESS NOTED OTHERWISE.
  - 2) PIPING ROUTES ARE INDICATIVE ONLY AND WILL BE SITE RUN TO SUIT FINAL LOCATIONS OF EQUIPMENT. PIPING SHALL BE INSTALLED AND SUPPORTED IN ACCORDANCE WITH AS/NZS 3500.
  - 3) ALL ELECTRICAL WORKS (POWER AND CONTROL) SHALL BE BY CUSTOMER ("OTHERS") UNLESS NOTED OTHERWISE.
  - 4) EACH 240V GPO SHALL BE SINGLE OUTLET ONLY, FLAT FACED AND IP54 RATED.
  - 5) THREE PHASE CONNECTIONS TO EQUIPMENT SHALL BE PROVIDED WITH WALL MOUNTED ISOLATOR EXTERNAL TO EQUIPMENT. COMMANDO STYLE PLUGS SHALL BE USED WHERE SPECIFICALLY NOTED.
  - 6) DRAIN LINE PENETRATIONS THROUGH FLOOR SHALL BE SUPPLIED WITH AN OPEN TUNDRISH AS NOTED ON DRAWINGS.



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REVISION NO.	DESCRIPTION	DATE	DRAWN	ENGINEER	AUTHORISED
0	FOR INFORMATION ONLY	13/03/2020	JM	RM	AC

FOR INFORMATION	
DRAWING NUMBER:	SOUTHLAND FILTRATION
REVISION:	0
CAD FILE:	
SCALE:	1:3
SHEET SIZE:	A3

CLIENT:	SOUTHLAND FILTRATION
PROJECT:	C5500
TITLE:	GENERAL ARRANGEMENT

# SPECIFICATIONS

## PRODUCT CODE

SV5500-C

## FLOW RATES

Rated flow at dose 16 mJ/cm <sup>2</sup> @ 95% UVT	1298.4 L/m (21.64 L/s)
Rated flow at dose 25 mJ/cm <sup>2</sup> @ 95% UVT	1039.8 L/m (17.33 L/s)
Rated flow at dose 30 mJ/cm <sup>2</sup> @ 95% UVT	866.4 L/m (14.44 L/s)
Rated flow at dose 40 mJ/cm <sup>2</sup> @ 95% UVT	649.8 L/m (10.83 L/s)

## OPERATING PARAMETERS

Max Operating Pressure	1000kPa
Ambient Air Temperature	0°C - 40°C
Influent Water Temperature	2°C - 37°C
Installation Orientation	Horizontal mounting with outlet pointing up

## REACTOR

Chamber Material	Stainless Steel G316L, Electropolished
In-Outlet Connection	4" (100mm) Table E flange
Reactor Volume (L)	22L
Reactor Length Overall (~mm)	1,520 mm
Space Required for Servicing (~mm)	1,500 mm
Reactor Dry Weight (Kg)	21kg
Operating Pressure (Max)	10 Bar
Lamp Power (W)	450W
UV-C Output (W)	143W
Number of Lamps (Each Unit)	1ea
Lamp Life (Hrs)	12,000 Hours

## POWER SUPPLY BOX

Input	220-240 VAC, 50-60 Hz, 2.7A
Power Consumption (W)	500W
Power Box Dimensions (mm)	400 x 400 x 200 mm
Power Box Weight (Kg)	12kg
IP Rating	IP54
Lamp Lead Length (M)	2m

## FEATURES:

- Lamp parallel to water flow
- View/monitor port
- Easy to install brackets
- Watermark approved

## OPTIONS:

- UV intensity monitor
- Spare set of volt free contacts
- Warm/Hot Water Version available
- Enclosure material 316ss, or glass reinforced polyester
- Longer lamp lead
- Different mains supply
- Chamber thermostat with solenoid valve for over-temperature protection

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