

Complies to BS EN 1253:2003



# SIDE FLOW

**SANSICO TOP ACCESS SLAB CONCEALED SYSTEM**



**LOOKS  
BETTER  
& FLOWS  
FASTER**



Print Edition for December 2025

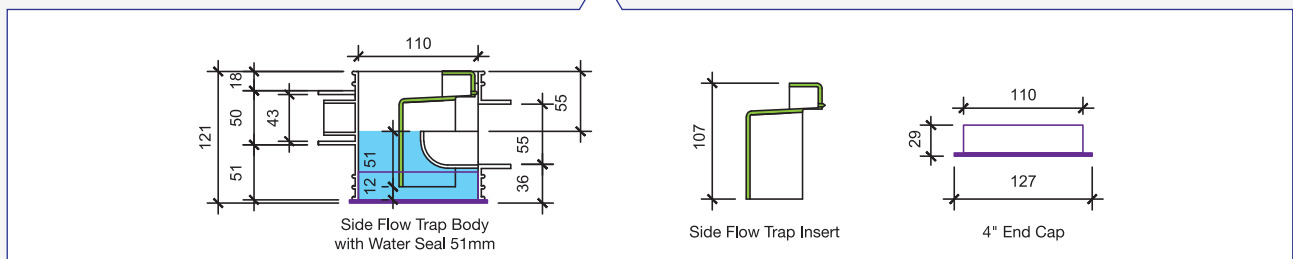
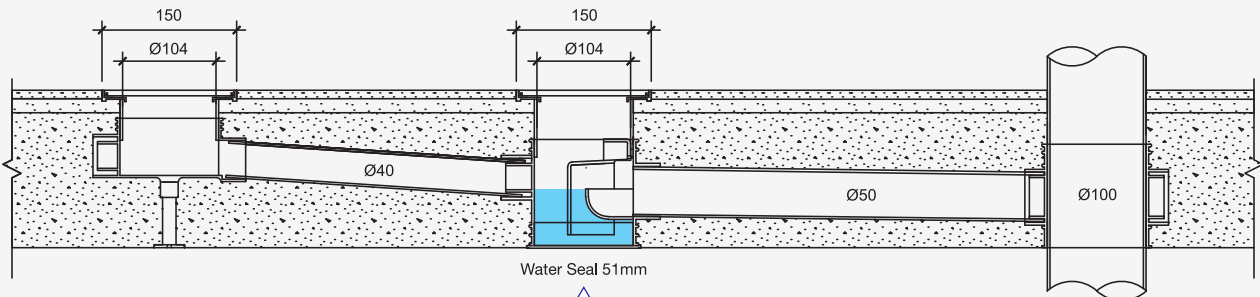
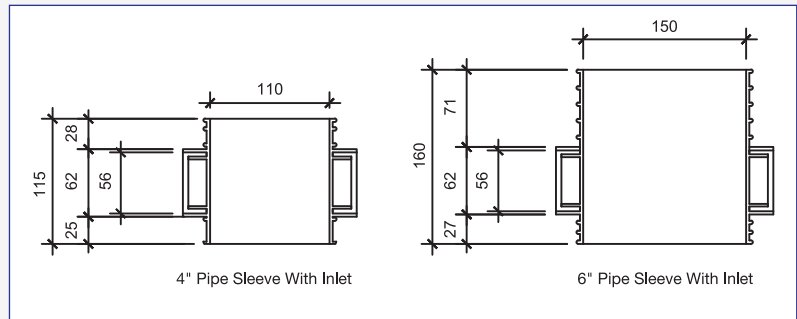
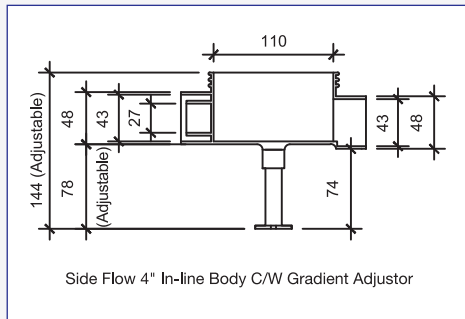
# SIDE FLOW

Revolutionary fully concealed and serviceable top access floor trap system in slab. This new design from Sansico, allows for easy and guaranteed serviceability of outgoing pipes in our newly designed fully embedded floor trap system. The advantages of a fully concealed in slab top access floor trap system is that it allows for a higher false ceiling.



**Note: Recommended slab thickness = Minimum 150mm.**

**Recommended distance between floor trap and main stack = Maximum 1.5m. Please contact Sansico for technical advice.**





### 1 4" Side Flow Floor Trap Body: Higher Flow Rate

The Sansico fully concealed floor trap (or commonly known as side flow) has high flow rates of 58 litres per minute and complies to BS EN 1253 : 2003.



#### The Revolutionary Curved

It has been designed to facilitate the ease of water discharge and also the ease of rodding during servicing. It guides rods & tools automatically into outgoing pipes making the servicing of concealed floor traps easy and effortless.



### 2 In-line Body with Body Stand: Draining Large Areas in Multiple Series



#### In-line Body in Multiple Series

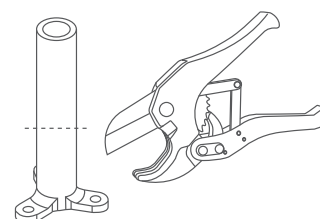
The unique design of our in-line body allows for multiple connection in series. This is useful for draining high volumes of water and ideal for use at large areas such as balconies, corridors, master bathrooms, clubhouses, commercial toilets and swimming pools.

### 3 Everything Concealed in Slab: No More Ugly Pipes

The advantages of a fully concealed in slab top access floor trap system allows for a higher false ceiling (no ugly piping is visible under the floor slab). The drawback of a fully concealed system is the serviceability of outgoing pipes from the floor trap during blockages. The curved face outlet design of our floor trap eliminates this problem, allowing an easy and hassle-free rodding.

### 4 Gradient Adjuster / Body Stand

The distinct gradient adjuster / body stand allows the height adjustment for the in-line body. Simply measure and cut (using a PVC cutter) in order to achieve the required gradient.



#### Trap System Product Code

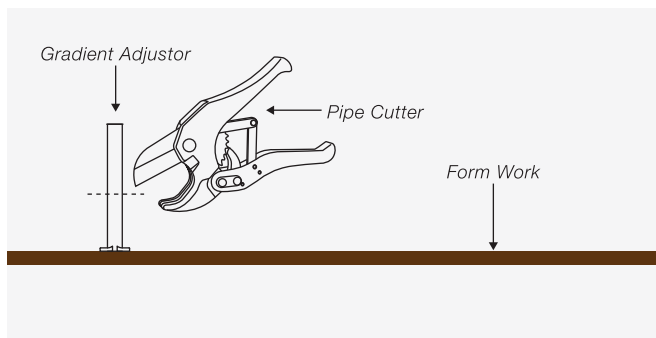
Side Flow Trap Insert	4" End Cap	Side Flow Trap Body New	Side Flow Bowl	Side Flow 4" In-line Body C/W Gradient Adjustor	Pipe Sleeve With Inlet	
					4"	6"
SF-TI	S2-SFEC-4	SF-TBN	SF-BOWL	SF-ILBGA	SF-PS4	SF-PS6



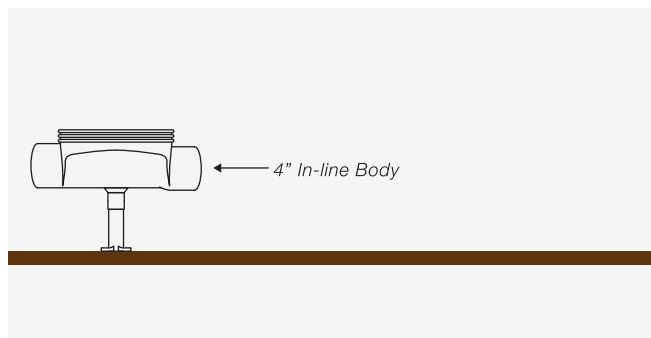
# Side Flow

## Installation Method

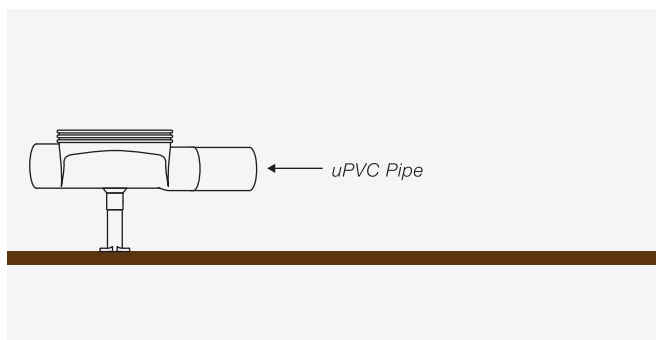
Recommended slab thickness 150mm and above.



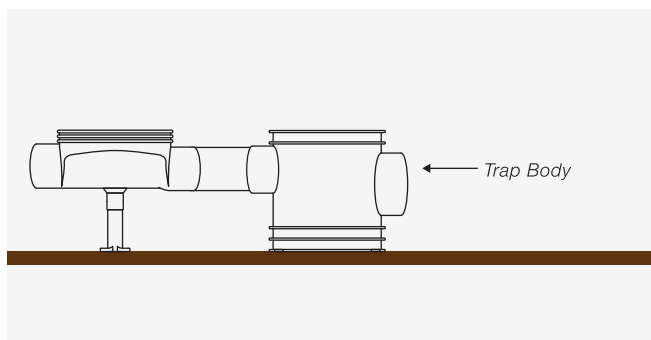
- 01** Adjust height by cutting the gradient adjustor. Nail on form work.



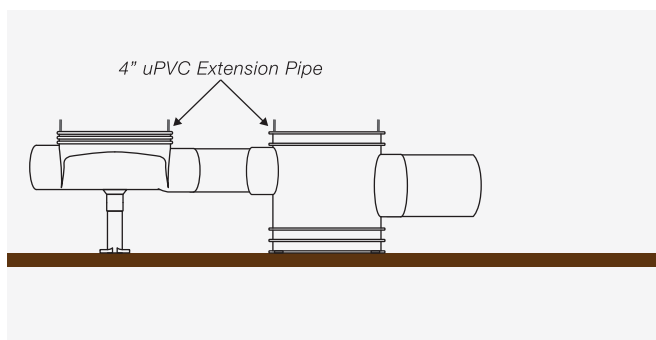
- 02** Install side flow 4" in-line body.



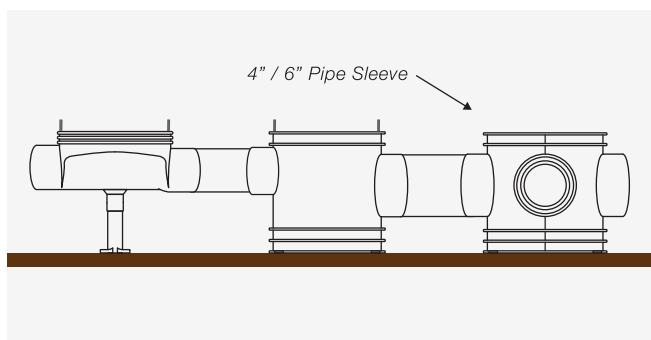
- 03** Connect the drain pipes or air-cond discharge pipes if any.



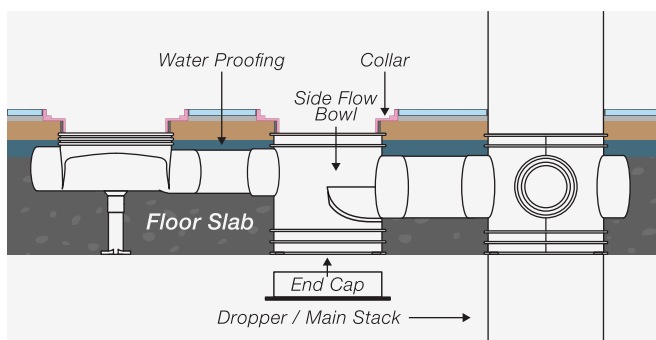
- 04** Install side flow trap body.



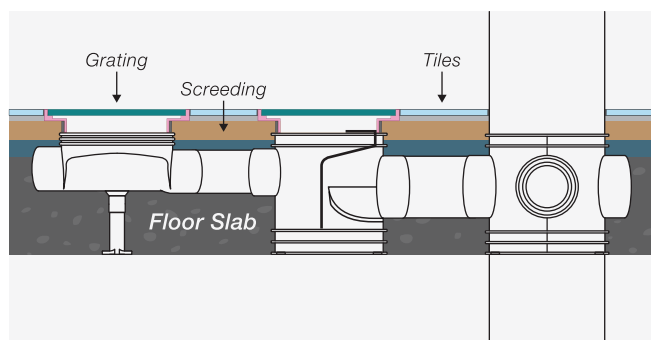
- 05** Place 4" uPVC pipe on top of the side flow 4" in-line body trap body as an extension pipe. Install another uPVC discharge pipe.



- 06** Connect to the 4" or 6" pipe sleeve (down pipe).



- 07** Pour concrete and waterproofing; place end cap and side flow bowl then screed. Finally place the collar during tiling.



- 08** Place grating and trap.

# EPDM Rubber

## THE USE OF EPDM RUBBER AS A SEALING MECHANISM

Rubber has proven to be one of the best media for seals in the last 100 years. It has proven to provide an extremely effective and long term seal.

It is highly chemical resistant to acids, alkali's and has excellent weathering properties.

EPDM rubber seals have been used in pneumatic and hydraulic cylinders (perform very well under high pressures), seals used in water supply and underground sewer pipes (**buried in the ground, extremely chemical resistant, even with sewerage**), seals in vacuum cleaners and vacuum systems, EPDM is used as diaphragms in the palm oil industry and in thousands of other applications in the industry.

For that reason the

## SANSICO TOP ACCESS FLOOR TRAP



### Uses EPDM for its SEAL

this seal comes with a **20 years factory warranty**. You can rest easy, knowing that our traps are foul smell free and provide you with the best sealing mechanism available in the market.

Maximum Service Temperature:  
150°C Minimum Service Temperature: -50°C

### EPDM Rubber Properties

Categories	Property	Performance
Mechanical	Tensile strength (with fillers)	Very good
	Rebound resilience (20 °C / 80 °C)	Good
	Abrasion resistance	Good
	Compression set	Very good
	Hot air resistance	Very good
	Low temperature flexibility	Fair to good (-40 °C to -50 °C)
	Oxidation resistance	Excellent
	Resistance to weathering & ozone	Excellent
	Resistance to hydrolysis (water/steam)	Very Good
Thermal / Flame	Service temperature range	-50 °C to +120 °C (up to 150 °C depending on grade)
	Flame resistance	Fair
Chemical Resistance	Petrol, benzene, mineral oils, chlorinated hydrocarbons	Low
	Alcohols	Very good
	Acids (non-oxidizing)	Good
	Alkalies	Good
Electrical	Insulation properties	Excellent

# Technical Data

The flow rating or capacity of a floor drain is determined by several factors:

## Size of Waste-line

A horizontal branch waste-line with normal pitch or slope, with a deep seal trap at drain outlet is capable of conveying as follows:

Size	Flow Rate
2 inch (50mm)	10 to 25 GPM
3 inch (75mm)	30 to 75 GPM
4 inch (100mm)	75 to 150 GPM

Traps with sediment buckets, strainers, etc. will reduce maximum flow rating by up to 20%

The table gives general reference when considering overflow of fixtures or sources of water that may be discharged through floor drains.

Fixtures	Flow (GPM)
Wash Basin	5-7
Kitchen Sink	8-10
Bath	6-10
Shower	5-8
Washing Machine	4-6
Dish Washing Machine	4-6

## Tests undergone by the SANSICO Floor Trap/Gulley

- Load Test
- Depth of Water Seal
- Resistance of Water Seal to Pressure
- Access for Cleaning
- Anti Blockage
- Temperature Cycling
- Odour Tightness
- Water Tightness of Body
- Flow Rate Test

## Summary of Side Flow system





**We recommend using our Sansico floor gratings together with the Side Flow Trap System to ensure full compatibility. View our floor grating options here:**



*Scan to download the  
Grating & Collar Catalogue*

**SANSICO**

**HANSEN**

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