SANSICO™

Complies to BS EN 1253:2003

TOP ACCESS FLOOR TRAP SYSTEM

S1

LOOKS BETTER & FLOWS FASTER

MS SIRIM

MADE IN MALAYSIA

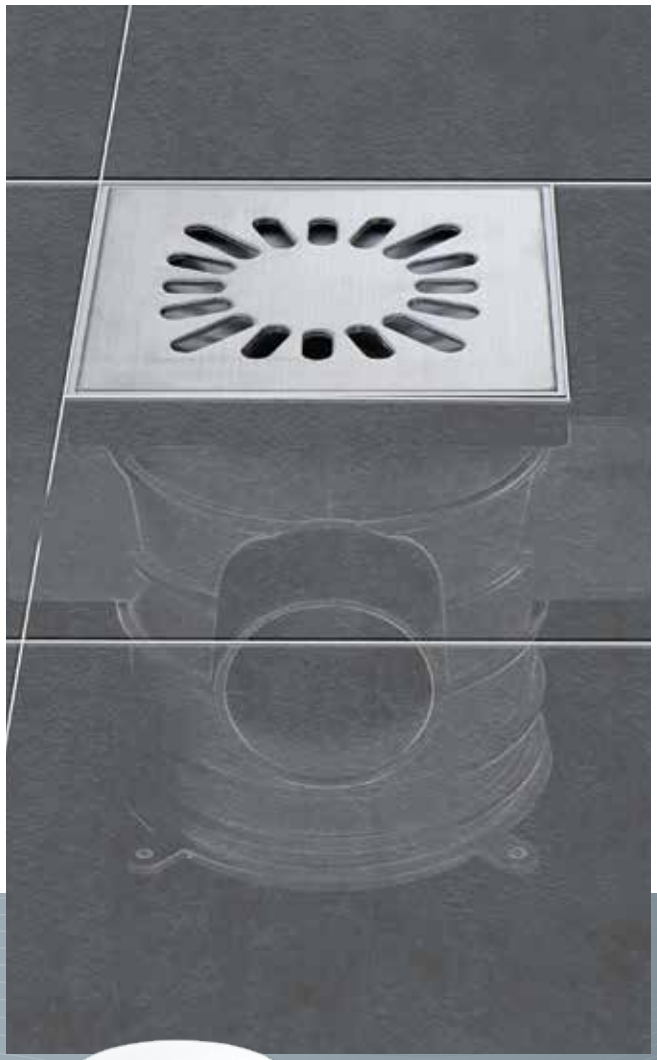
LUXURIOUS
GRATINGS & COLLARS

Quality without Compromise
Elegant Gratings with Trap System

Print Edition for July 2019

Top Access Floor trap System

S1 Model

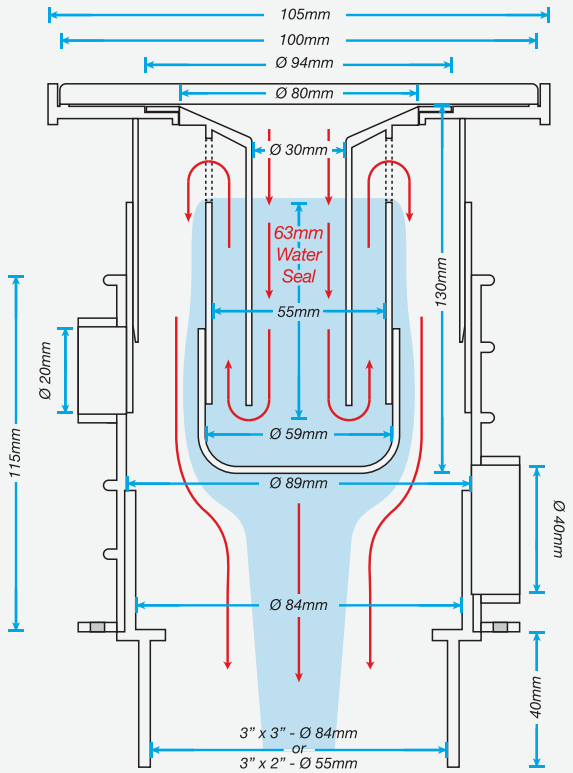


Flow rate: 68 litres / minute

*Sirim requirement: 48 litres / minute

Dimensions of

S1 model Top Access Floor Trap System
3½" Pipe Sleeve

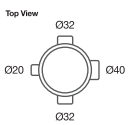


*Air conditioner drain pipe is not recommended to connect to the pipe sleeve
*S1 trap system can be used as bottom or side discharge

Benefits of S1 Trap system:

- ☑ Can convert the conventional to top access floor trap. Easy conversion with existing pipe sleeve, without major hacking
- ☑ Prevents bubble / foam from overflowing
- ☑ Prevents foul smell and insects from entering the house
- ☑ Top cleaning / access
- ☑ Higher False Ceiling, space saving

Trap System Product Code

Water Trap		3½" Pipe Sleeve		Outlet		3" End Cap
Grey	White	Without Inlet	With Inlet	3" x 3"	3" x 2"	
							
S1/S2-WT-G	S1/S2-WT-W	S1-PS3	S1-PSI3		S1-OL3	S1-OL2	S1-SFEC-3

4” Grating & Collar

Web / Daisy / Chess

4” Web

- **Plastic Grating**
  S1-GP-W
- **Standard Plastic Collar**
  S1/S2-CP-W

4” Web
c/w Washing Machine Hose Opening + Plastic Plug

- **Plastic Grating**
  S1-GP-W-32PP
- **Standard Plastic Collar**
  S1/S2-CP-W

4” Daisy

- **Stainless Steel Grating**
  S1-GSS-D
- **Standard Plastic Collar**
  S1/S2-CP4-G (Grey)
  S1/S2-CP4-W (White)

4” Daisy
c/w Washing Machine Hose Opening + SS Plug

- **Stainless Steel Grating**
  S1-GSS-D-32SSP
- **Standard Plastic Collar**
  S1/S2-CP4-G (Grey)
  S1/S2-CP4-W (White)

4” Daisy Anti-Theft

- **Stainless Steel Grating**
  S1-GSS-D-AT
- **Standard Plastic Collar**
  S1/S2-CP4-G (Grey)
  S1/S2-CP4-W (White)

4” Chess

- **Stainless Steel Grating**
  S1-GSS-C
- **Standard Plastic Collar**
  S1/S2-CP4-G (Grey)
  S1/S2-CP4-W (White)

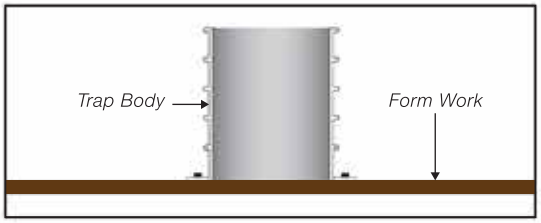
4” Chess Anti-Theft

- **Stainless Steel Grating**
  S1-GSS-C-AT
- **Standard Plastic Collar**
  S1/S2-CP4-G (Grey)
  S1/S2-CP4-W (White)

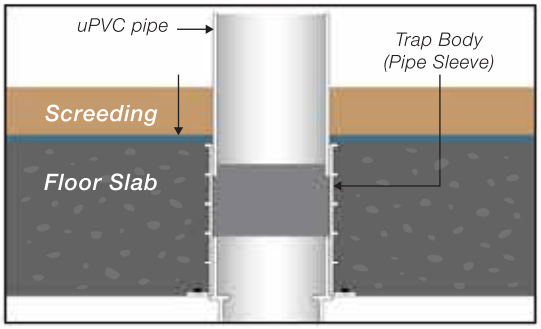
S1
Installation Method

Recommended slab thickness 125mm and above.

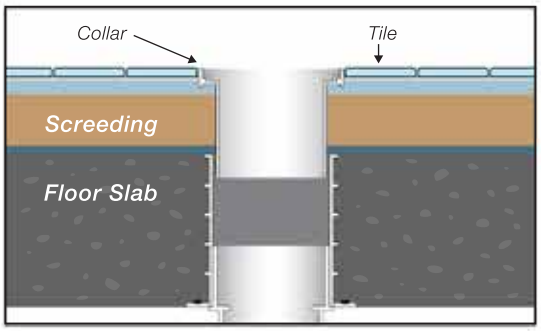
Step 1: Nail trap body to form work.



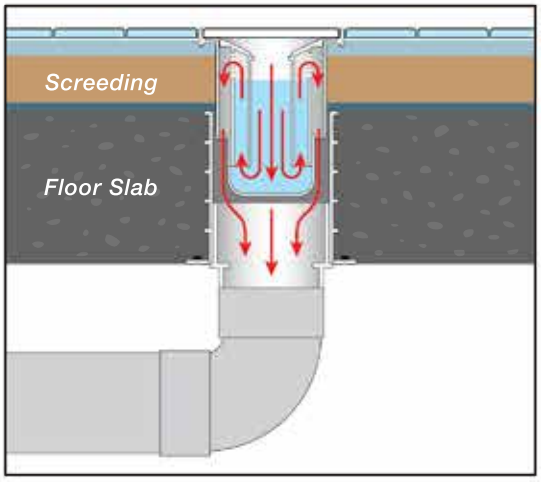
Step 2: Place 3" uPVC (grey) pipe on top of trap body. Water proof and screed.



Step 3: Cut uPVC (grey) pipe and place collar during tiling.

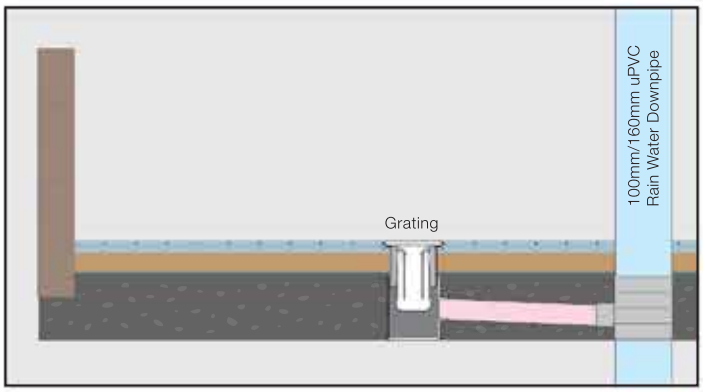


Step 4: Use outlet to make connection to main stack and place grating and trap on the collar.

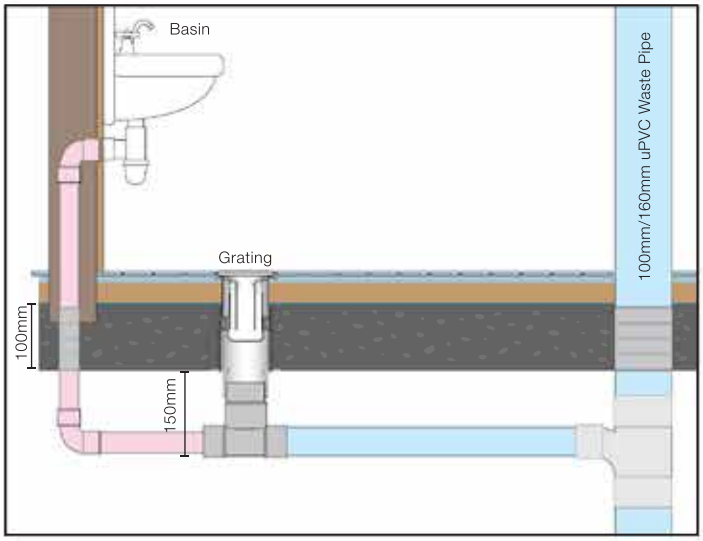


*All connections to trap body for S1 models should have their individual traps.

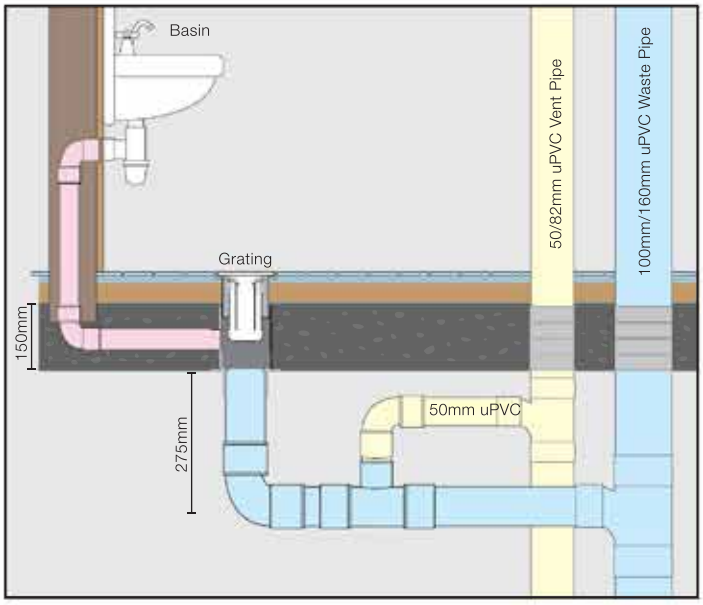
Cross Section Layout (side flow at balcony)



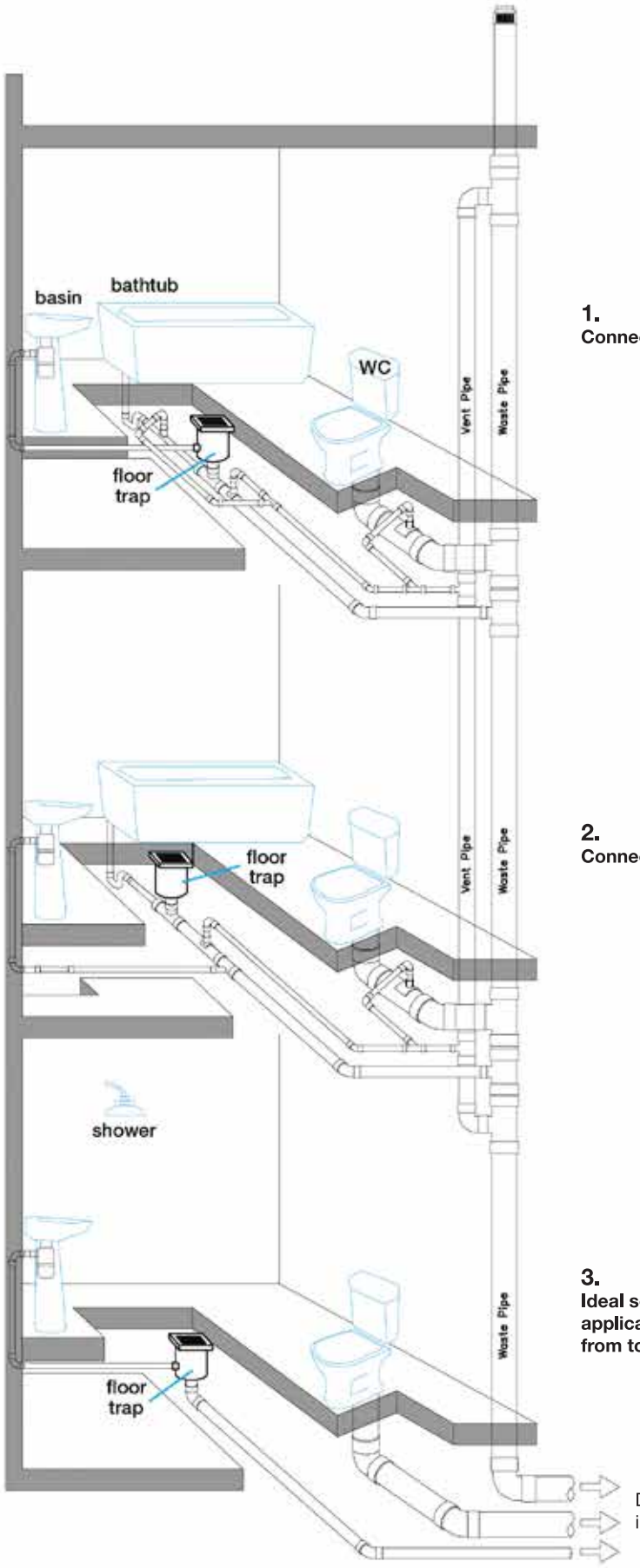
Cross Section Layout (connection of basin below trap)



Cross Section Layout (connection of basin into trap body with venting)



Schematic Layout



1.
Connection of basin into trap body

2.
Connection of basin below trap.

3.
Ideal solution for ground floor applications, to allow servicing from top.

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%

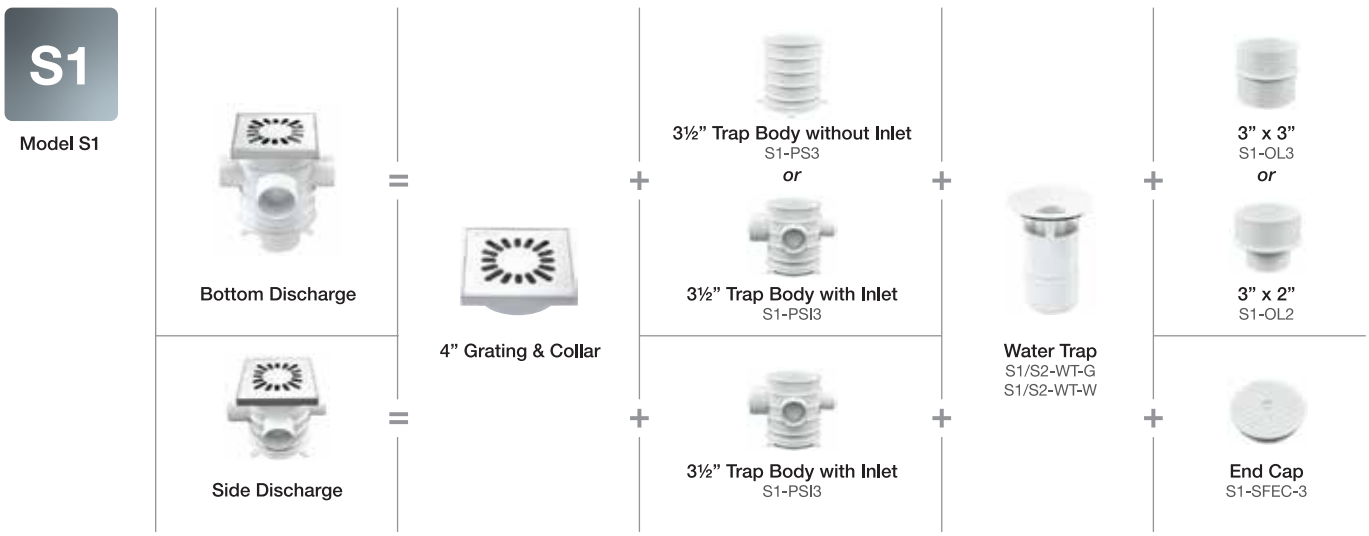
The table gives general reference when considering overlow of fixtures or sources of water that may be discharged through floor drains.

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 S1 system



Notes