



ashirvad

by **alixis**

**LOW NOISE SOIL,
WASTE & RAIN
DRAINAGE**

**SILENT SWR
SYSTEM**

**NO DISTURBANCE,
PEACE OF MIND
SOLUTION**



SILENT SWR
SYSTEMS
(13)
dB
at 2 lps

SILENT PLUS SWR
SYSTEMS
(10)
dB
at 2 lps

FOR BEST RESULTS, USE ONLY ASHIRVAD LOW NOISE PIPES, FITTINGS AND ACOUSTIC GIRPI BRACKET AS AN ENTIRE SYSTEM

WARRANTY APPLICABLE ONLY IF ASHIRVAD PIPES, FITTINGS AND SOLVENT CEMENT OR LUBRICANT ARE USED

Ashirvad – Leadership You Can Trust

Ashirvad has been setting benchmarks for quality since 1975. The leader in the manufacture of PVC and CPVC piping systems, Ashirvad Pipes is OHSAS 18001:2007, ISO 9001:2015 and ISO 14001:2015 certified and is a National Award winning company. With its state-of-the-art factory spread over 50 acres, the company has an annual manufacturing capacity of 2,00,000 metric tons and manufactures a complete range of high technology and superior quality plastic piping systems for domestic and agricultural use. The manufacturing systems adhere to the highest level of international quality for a maintenance free life.

Low noise SWR system

In order to avert noise pollution arising out of grey water & waste flowing through pipes, Ashirvad has launched a new range of low noise SWR systems. These are PVC based sound attenuating systems for above ground applications. The pipes have multilayer format. The wall thickness as well as composition has been tailored to suit the 'sound-reducing' purpose. Additional care has been taken to provide the right brackets so that any vibrations (and thus sound) do not pass through the wall.

Ashirvad is proud to present two ranges of low noise systems that are designed to EN 12056:2000, IS 13592:2013 (for pipes) and IS 14735:1999 (for fittings).

- silent SWR system (13 dB at 2 lps as per EN 14366)
- silent plus SWR system (10 dB at 2 lps as per EN 14366)

The jointing technology employed is a pushfit type that aids in absorbing the noise as well as helps in ease of assembly / dis-assembly and also caters to any expansion-contraction effects. 2 layer rubber ring with a blue seal that suffices for this non-pressure application is provided.

In addition to 3 layer pipes (3 mtr length standard) and solid wall fittings (40 mm to 200 mm), special acoustic 'Girpi' brackets together form a complete solution and must be installed as an entire system for best results.

Type	Pipe outer diameter (in mm)	Jointing Method	
		Pushfit	Solfit*
silent	40		
	50		✓
	63		✓
	75	✓	✓
	90	✓	✓
	110	✓	✓
silent plus	160	✓	
	200	✓	
	75	✓	
	90	✓	
	110	✓	
	160	✓	
	200	✓	

* Plain end pipes only at various lengths.

SILENT
SWR SYSTEM



SILENT PLUS
SWR SYSTEM



Special acoustic 'Girpi' bracket

The system testing carried out at Fraunhofer institute for Building Physics IBP, Germany gave the following results:

Wastewater system "silent" (Manufacturer: Ashirvad Pipes Pvt. Ltd.) with plastic pipe clamps "silent, Ø 110" (made by Ashirvad Pipes Pvt. Ltd.) without rubber inlay.

Flow rate (lps)	0.5	1.0	2.0	4.0
Installation sound level $L_{AFeq,n} (L_{in})$ [dB(A)] according to DIN 4109 measured in the basement test-room UG front	45	50	52	54
Installation sound level $L_{AFeq,n} (L_{in})$ [dB(A)] according to DIN 4109 measured in the basement test-room UG rear	9	14	18	23
Airborne sound pressure level $L_{a,A}$ [dB(A)] according to EN 14366 in the basement test-room UG front	45	50	52	54
Structure-borne sound characteristic level $L_{sc,A}$ [dB(A)] according to EN 14366 in the basement test-room UG rear	<10	<10	13	19

Wastewater system "silent plus" (Manufacturer: Ashirvad Pipes Pvt. Ltd.) with plastic pipe clamps "silent, Ø 110" (made by Ashirvad Pipes Pvt. Ltd.) without rubber inlay.

Flow rate (lps)	0.5	1.0	2.0	4.0
Installation sound level $L_{AFeq,n} (L_{in})$ [dB(A)] according to DIN 4109 measured in the basement test-room UG front	44	49	51	54
Installation sound level $L_{AFeq,n} (L_{in})$ [dB(A)] according to DIN 4109 measured in the basement test-room UG rear	<10	11	15	20
Airborne sound pressure level $L_{a,A}$ [dB(A)] according to EN 14366 in the basement test-room UG front	44	49	51	54
Structure-borne sound characteristic level $L_{sc,A}$ [dB(A)] according to EN 14366 in the basement test-room UG rear	<10	<10	10	15

Commercial spaces, hotels, offices, hospitals, schools, high rise buildings, villas and independent houses would benefit from the use of these products.

The system is compatible with IS 13592 as well and can be used in retrofit applications too.



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Ashirvad Pipes Pvt. Ltd.

Regd. office: Plot No. 27-P, 28-P, 29 & 30, Bommasandra - Jigani Link Road, Industrial Area, Bandenallasandra, Jigani, Bangalore - 560 105, India.

For any Service / Customer complaint / Queries: Toll Free: 1800 572 8900 | M: +91 9902 333 333
E: customercare@ashirvad.com | www.ashirvad.com | CIN : U85110KA1997PTC021831

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