

Notice of Non Compliance

DATE:

In terms of the SOUTH AFRICAN NATIONAL STANDARD (SANS) 10254, 10106, 1352 and the National Consumer Protection Act; all owner/users of a maintained, replaced or repaired hot water heating system comply to these standards, and any non-compliance of the respective South African National Standard must be notified in writing to the user/owner.

This Non-compliance notice which shall form part of PIRB Certificate of Compliance No: _____, hereby informs you in writing of the respective SANS non-compliant areas of your installation. It is further noted that that if the respective area's of non-compliance of the installation are not made compliant it may result in any future warranty/guarantee/insurance being voided.

SANS Ref	Description	Compliant	Non Compliant	Critical Area of Safety
SANS 10254				
5.1.1	A HWC installed in a position where any leakage from the HWC or ancillary components can cause damage, must be fitted with a drip tray			
5.1.2.1	The tray shall be mounted and supported in an approved manner			
b.2.1	The drip tray is placed on tie beams			
	Over a load bearing wall			
	Supported using a minimum of Grade 5 114mm x 50mm timber			
	Minimum Grade 5 114mm x 50mm timber is spaced no more than 500mm apart			
	Have the bottom chords (roof trusses) been strengthened			
	Chords strengthened in the correct manner			
b.2.2	HWC is mounted directly in the tray			
	HWC brackets correspond with timber support			
	The size of the tray covers total area of the HWC, including valves and components			
	HWC's that are suspended: drip tray is sized that it covers total area of the HWC, valves and components			
5.1.2.1	Geyser tray discharge pipe			
	Tray discharge pipe has a discharge pipe been connected to the geyser tray			
	Tray discharge is sized and supported correctly			
	Tray discharge pipe is led through an external wall in order to discharge in an area that is visible			
	The joint between tray and tray discharge pipe is leak tight			
5.1.2.3	The tray discharge pipe is sized correctly and can accommodate a minimum of 40lt per minute			
	Tray discharge pipe is installed at a gradient of at least 1-100			
4.1.1.1	Are all of the components used in the assembly, that of an approved type			
	Are components matched in terms of the pressure rating of the system			
4.3.1.1	Are all the components of the system installed in a manner and position ensuring safe and effective operation of the system			
	Does the installation of each component allow ease of maintenance or replacement of components			
	Can components be drained effectively			
4.3.2	The pressure of the system does not exceed a static pressure of 600kpa			
	All valves on the system have the same pressure rating			
	Pressure control valves can be pressure rated less than the rated pressure of the HWC			
4.3.3	Are components of the system installed in a manor that the hot and cold water delivered to mixing components is balanced			
5.1.2.3	The discharge from the expansion relief and temperature safety valve are sized not less than the connection to which they are fitted			
	Temperature pressure discharge pipe does not exceed 4m			
	Temperature pressure discharge pipe has three or fewer 45 degree bends			
	Are installed that both discharge pipes incline downwards continuously to point of discharge			
	The drainage of both pipe and valve pipework is secured			
	Pipework has been installed as to ensure no water traps can be develop			
	Any discharge flow can be readily seen with no risk of injury from steam or hot water			
	Discharge pipes are not inter connected			
	Each discharge pipe is led to a point which is visible outside the building			
	Is terminated in a manner that cannot be blocked			
	Discharges where any flow will not cause damage or nuisance			
	Temperature pressure discharge pipe is of metallic material [not light gauge galvanised]			
5.3	All joints are leak tight			
5.4.1	The HWC and all components are installed in a position that is servicable and easily accessible			
	Union type fittings have been used to ensure easy replacement of all valves and the HWC			
5.4.2	Wall mounted geyser does not exceed 150lt and is secured by means of brackets or hangers to a load bearing wall or any other structural element			
GENERAL NOTES IN TERMS OF SANS 10252-1 APPLICABLE TO ALL INSTALLATIONS				
5.1	The materials utilised are suitable for the expected conditions			

SANS Ref	Description	Compliant	Non Compliant	Critical Area of Safety
5.1.9	Insulation material is minimum R1 rated			
5.4.14	There are no flexible connectors used in order to connect to heat pump/geyser/solar geyser or panel			
5.4.15	Where a non return valve has been installed, a spring type has been used and not a metal on metal flap type			
6.1.3.2	There are no isolating valves installed between the pressure control valve and the hot water cylinder			
6.1.3.3	Isolating valves installed on the hot water installation are of a full-bore type			
6.6.1.1	Safety device installed is compatible with the hot water cylinder, and not rated higher			
	No isolating or non return valve is installed between hot water cylinder and the pressure control valve			
	Safety valve is not restricted (reduced pipe size or damaged)			
	Vacuum breakers are installed correctly and not below the top of the water heater			
	Electrical installation ensures that temp of water is controlled			
6.6.1.5	Expansion relief and temperature discharge pipes are not inter connected			
6.6.2.2	There is no flow control fitting of any sort other than a draining tap installed between hot water cylinder and the pressure control valve			
6.6.2.3	All discharge pipes are unobstructed and open to atmosphere			
6.6.5.1	All drain pipes are sized correctly to the connection to which fitted			
	In the event that the discharge pipe distance exceeds 4m, has the drain pipe size increased			
	Discharge pipe has three or less bends			
	Where increased, discharge pipe shall not exceed 9m			
	For each additional bend (over the allotted 3) the discharge pipe length is reduced by 600mm			
	All labour bends are formed, with a centre radius, of a minimum of 5 times the diameter of the drain pipe			
	Drain pipe discharges down and directly out			
	Drainage of both valve and pipe is ensured			
	Installed such that in the event of freezing - cannot be blocked, nor by foreign objects			
	Is used for normal conveyance of discharge water resulting from normal expansion			
	Discharge in a position that is readily seen			
	Discharge does not inconvenience buildings occupants or cause damage to property			
6.6.5.2	Drain pipes from expansion relief/temp pressure valve are not inter connected			
6.7.5.7	Insulation of pipework includes all flow and return piping			
	Insulation of pipework includes cold water supply 1m from the heating or cooling system			
	Insulation of pipework includes pressure relief piping 1m of the connection to the geyser			
	Insulation of pipework includes temperature pressure discharge pipe and valve, to 1m from the hot water cylinder			

Code _____ Serial _____ Cylinder Size _____ Pressure Control Valve _____ kPa

This Inspection is a visual inspection of component(s) and part(s) of your plumbing system as listed. These are reasonably visible and capable of being inspected without creating damage(s). The inspection does not cover/include pressure testing and/or the design nor efficiency of the plumbing system.

I, _____ being a registered Plumber with the Plumbing Industry Registration Board; Reg No: _____ and a current (paid up) member of The Institute of Plumbing South Africa; Member No: _____ hereby confirm that I have inspected the aforementioned property personally and without prejudice, and should the aforementioned membership and registration not be valid, this certificate is null and void to date of termination of membership(s). Further note; The validity of this document expires on change, alteration, replacement or destruction and necessitates a further PIRB Certificate of Compliance.

Signed: _____ Client: _____ Date: _____

Disclaimer: This document is issued by IOPSA as a guideline for requirements of installation to SANS standards and can be used as a notice of non-compliance. This document is not a certificate of compliance (CoC)