ALLPIPE STOPPERS & GROUND EQUIPMENT

HEALEY & LORD Ltd

A MAG Group Company

6 Bar inflatable stoppers - operation and safety instructions

All inflatable test stoppers should only be used be personnel trained in the testing and commissioning of waste water, pipework and sewers. Allpipe inflatable stoppers are only suitable for use in pipes with a circular profile.

Pre-start checking procedure:

- Prior to the commencement of works the size range of the stopper relative to the size of the pipe into which it is intended to be installed should be checked to verify the expansion range of the stopper is compatible with the internal diameter of the pipe into which it is to be installed.
- Before work commences the information panel on the stopper should be checked to verify the maximum back pressure the stopper can withstand is compatible with the back pressure that will be generated during the course of the test process.
- Users of any Allpipe inflatable stoppers should also familiarise themselves with the maximum inflation pressure of the stopper they are installing and use suitable inflation equipment with pressure relief valves calibrated to suit the maximum inflation pressure of the stopper.

The following procedure must be followed during installation and disassembly of the stopper:

- The stopper should be carefully checked visually before commencement of works to ensure there is no external damage or degradation of the exterior surface of the stopper evident. If there is any damage or degradation on the exterior of the stopper it should not be used.
- Prior to installation of any inflatable stopper the pipe in which it is to be located must be carefully checked to ensure there is no debris or other contamination present that could damage the stopper. All contaminants and debris must be removed to ensure the interior of the pipe to be tested is completely clean and free of any debris before inflation of the stopper.
- Prior to insertion of the stopper users should inflate the stopper to a pressure of 0.2 bar. Once the stopper is inflated to 0.2 bar users should listen for whistling of hissing noises. If there are noises evident the stopper should not be used. If no whistling or hissing noises are evident the test can progress.
- The stopper can (subject to satisfactory completion of the above steps) be fully inserted into the pipe to be tested.
- Under no circumstances can a stopper ever be inflated beyond 0.2 bar prior to being fully inserted into the pipe in which it is being used.

- The stopper must be secured in place with a safety line and for stoppers over 1000mm in diameter the end of the stopper should be supported within the pipe. Bracing protection must be installed around the stopper as required.
- Once secured the stopper can be carefully inflated to its operating pressure. Care must be taken not to exceed the maximum operating pressure of the stopper during inflation and testing.
- The pipe being tested must be adequately supported during testing.
- When testing is complete the pressure within the inflatable stopper should be released gradually from a safe distance.
- Bracing protection and safety lines can be removed only once the stopper is fully deflated.
- On removal of the stopper from the pipe in which it was installed the stopper should be cleaned with clean water and visually inspected to check for possible damage caused during testing.
- For storage we would recommend rubbing the stopper with talcum powder to increase the shelf life of the stopper.

At no point during inflation, testing or venting of the stopper should any person be allowed to stand in front of or behind the pipe containing the stopper. If users or personnel are allowed to stand in front of or behind the stopper during the inflation, testing or venting process in the event of a failure there is a danger to life and this must be avoided.