

TESTING SET FOR HOUSE CONNECTIONS DS 8/15

Safety instruction manual



This set is used for DN 80 to 150 mm pipe leak tests using air as the testing medium. They can be used both in straight sections of the pipe and in section with round or sharp bends or knee pieces up to 90 degrees. The set consists of a digital pressure gauge and all the necessary fittings and accessories for carrying out leak tests according to DIN EN 1610.



2106	Redukce MINI/V - 7,2/R	1 pcs
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2085	Redukce MINI/R - 7,2/V	1 pcs
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Accessories and spare parts:

Part-No. Description

1502	Test pipe stopper HPU 8/15	1 pcs
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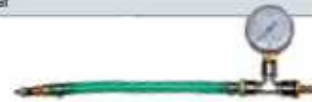
1505	Test pipe stopper HPU 8/15 W	1 pcs
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1501	Pipe stopper HU 8/15	1 pcs
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2089	Filling armature with manometer 0-4 bar	1 pcs
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2090	Test armature for the leak test with air	1 pcs
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2091	Digital manometer with hose, 1 m	1 pcs
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2107	Sliding and filling rod, 2 m	4 pcs
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2108	Sliding and filling rod, 1 m	1 pcs
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2109	Sliding and filling rod, 0,5 m	2 pcs
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2095	Rope with snap hooks, 10 m	1 pcs
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50243	Portable case	1 pcs
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Please read and respect operating instructions mentioned below. Nonobservance of these instructions and unprofessional manipulation can endanger your safety and do material damages.

- 1) Get rid of any impurities, bumps, sharp protrusions etc. from the pipe. The pipe should be dry inside – as much as possible.
- 2) Measure the inner diameter of the pipe and use the appropriate size of pipe stopper. **It is never allowed to use a pipe stopper in a pipe of larger diameter than it is stated on the pipe stopper.**
- 3) **Pipe stopper must be completely inserted into the pipe.** Then uniformly inflate this pipe stopper with compressed air. When the pipe stopper perfectly adheres to the pipe surface, secure it in the well against ejection. Then you can inflate the pipe stopper to the **maximum allowable operating pressure – 2,5 bar.**
- 4) Water pressure inside the pipe must not be greater than 0,05 MPa (it means 5 m of water column). During the air leak test the test pressure can be max. 0,02 MPa + 10%.
- 5) Relief the air from the pipe stopper before removing the pipe stopper from the pipe.
- 6) After the use clean the pipe stopper and check it whether it is not damaged. Preserve quick coupling of sliding rod with normal oil spray. Store the pipe stopper in a dark place. Prevent greater fluctuation of temperature.

Pipe stopper and eventually its accessories should be regularly checked by specialist. Specialist is a person with relevant knowledge of pipe stopper operation based on his training and experience. This person is also familiar with relevant safety instructions.

Air leak test

- 1) Clean the pipe (where we will perform the leak test) with water.
- 2) Connect sliding and filling rod (p.n. 2107-09) and rope with snap hooks (p.n. 2095) with pipe stopper HU 8/15 (p.n. 1501). Then insert it through cleaning well (eventually through cleaning hole) into the pipe.
- 3) When the pipe stopper HU 8/15 (p.n. 1501) is at the end of the tested pipe, connect the sliding and filling rod (p.n. 2107-09) and rope with snap hooks (p.n. 2095) and test pipe stopper HPU 8/15 (p.n. 1502) and place the pipe stopper into the pipe.
- 4) Using the filling armature with manometer 0-0,4 MPa (p.n. 2089) the pipe stoppers (p.n. 1502 and 1501) are inflated with the air to the stated operating pressure (0,25 MPa).
- 5) Attach the test armature for the leak test with air (p.n. 2090) to the test connection.
- 6) To the test armature for the leak test with air (p.n. 2090) attach the digital manometer with hose 1m (p.n. 2091) or memory device (not included in the package).
- 7) Through the test armature for the leak test with air (p.n. 2090) inflate the tested pipe with air to test pressure by DIN EN 1610, close the stopcock and start the leak test.
- 8) After the test relief the air from the pipe, disassemble the whole set in the reverse order you assembled it, clean it and store it in a portable case.