

Pipe Stoppers

Pipe Doctor Repair



Lightweight Pipe Stoppers for blanking off a pipe for air or water testing or to stop flow for a repair; with most sizes able to be installed by one man.

Stoppers are used for blanking off a pipe for air testing, water testing or flow stopping for a repair. Wide expansion range so will work in all types of pipe. Stoppers have a lightweight feel, so most sizes can be installed by one man and made for maximum durability with reinforced synthetic rubber.

Special sizes available on request and available in Nitrile for Hydrocarbon applications.

Storage:

- Store between +10°C and +30°C.
- Do not store in a wet environment.
- Protect the Pipe Stopper from direct exposure to sun or other light sources.
- The Pipe Stopper must not be stored in contact with metal, other Pipe Stoppers or chemicals for prolonged durations.

Benefits:

- Allowable Back Pressure 0.5 bar ** (5m head of water).
- Inflation Pressure 1.5 bar.
- Standard Series 26 Connectors.
- Wide expansion range will work in all types of pipe.
- Lightweight :most sizes can be installed by one man.
- Reinforced Synthetic Rubber:maximum durability.
- Compressor or hand-pump inflation accessories included (also available to purchase separately).
- Special sizes on request.

** Maximum inflation & back pressures are for stoppers fully inserted into the pipe and mechanically braced against slippage.

Stoppers are available in special sizes on request and in nitrile rubber for Hydrocarbon applications – please call the S1E Team on 01226397015

General Safety Rules

- Operators should familiarise themselves with the User Manual prior to using the Pipe Stoppers.
- Outside the pipe, Pipe Stoppers can be inflated up to a maximum of 0.1 bar.
- Maximum operating pressure must not be exceeded during any part of the process. Maximum operating pressure is indicated on the Pipe Stopper label.
- Pipe Stoppers must only be used in cylindrical pipes.
- The safety of operators and the environment must be considered.
- Operators must wear appropriate PPE: Safety boots, gloves, hard hat and goggles are recommended.
- The air source must not contain too much oil.

Prior to Use

- Always check if there is any damage to the surface of the Pipe Stopper and do not use if any damage is evident.
- Contact S1E Ltd in case of doubt.
- Check the air controller, security valve, manometer and other accessories used to inflate the Pipe Stopper.
- Measure the pipe diameter and ensure the correct size of Pipe Stopper is used.
- Remove dirt and debris from inside the pipe prior to insertion of the Pipe Stopper.
- Tie an extraction/anchor rope to the hook at the end of the Pipe Stopper.

Using the Pipe Stopper

- Ensure the Pipe Stopper is fully inserted into the pipe.
- Use the extraction/anchor rope attached to the eyelet on the Pipe Stopper to prevent loss or movement prior to and during inflation.
- Use a controlled air flow to inflate the Pipe Stopper.
- Inflate the Pipe Stopper until it reaches the internal surface of the pipe. Move to a safe distance and continue to inflate the Pipe Stopper to the maximum operating pressure. Do not remain within the manhole.
- Do not exceed the maximum operating pressure - this is indicated on the Pipe Stopper label.
- If using an air source with 200/300 bar capacity, always use a pressure reducer valve.
- Continuously monitor the operating pressure while inflating.



Deflation and removal of the Pipe Stopper

- Deflate the Pipe Stopper from a safe distance in a controlled and slow manner until the pressure reading is zero.
- Ensure no-one is within the manhole during deflation.
- Remove the Pipe Stopper by pulling the extraction rope that was fixed prior to installation.
- Wash the Pipe Stopper with water or soap after use.
- Dry at room temperature.
- Check the Pipe Stopper for damage.
- Do not repair damaged Pipe Stoppers. Contact S1E Ltd for further advice.

Pipe Stopper products:

Product code	Product Description	Min. Pipe Diameter (mm)	Max. Pipe Diameter (mm)	Stopper Diameter (mm)	Total Product Length (mm)	Product Weight (kg)
PDAB50100	Pipe Stopper DN50/100	45	100	45	330	0.4
PDAB70150	Pipe Stopper DN70/150	70	150	64	370	0.6
PDAB100200	Pipe Stopper DN100/200	100	200	88	550	1.0
PDAB150300	Pipe Stopper DN150/300	150	300	138	550	1.6
PDAB200400	Pipe Stopper DN200/400	200	400	185	650	3.1
PDAB200500	Pipe Stopper DN200/500	200	500	185	800	3.7
PDAB300600	Pipe Stopper DN300/600	300	600	285	850	6.9
PDAB375750	Pipe Stopper DN375/750	375	750	355	1000	9.4
PDAB400800	Pipe Stopper DN400/800	400	800	355	1000	9.5
PDAB5001000	Pipe Stopper DN500/1000	500	1000	485	1050	19.2
PDAB5001200	Pipe Stopper DN500/1200	500	1200	485	1400	28.0
PDAB5001400	Pipe Stopper DN500/1400	500	1400	480	1900	30.0
PDAB6001200	Pipe Stopper DN600/1200	600	1200	585	1300	25.5
PDAB6001600	Pipe Stopper DN600/1600	600	1600	585	1900	32.0
PDAB8001600	Pipe Stopper DN800/1600	800	1600	780	2000	46.0
PDAB8002000	Pipe Stopper DN800/2000	800	2000	780	2400	75.0
PDAB8002200	Pipe Stopper DN800/2200	800	2200	780	3200	90.0
PDAB12002400	Pipe Stopper DN1200/2400	1200	2400	1180	3000	170.0
PDAB12002800	Pipe Stopper DN1200/2800	1200	2800	1180	4000	205.0
PDAB18003600	Pipe Stopper DN800/2200	1800	3600	1780	4000	400.0
PDAB18004200	Pipe Stopper DN1800/4200	1800	4200	1780	6000	500.0



S1E Limited Specialist Suppliers of Trenchless Technology

No-dig Pipeline Repair

S1E Limited is a specialist supplier of trenchless technologies to the drainage repair industry. The company focuses on sourcing quality products for professional use. They are all tried and tested in the field to produce impressive results. S1E distributes high-quality products from market-leading manufacturers for the drainage repair industry. Products include camera inspection systems, cutting and cleaning tools, CIPP lining equipment and consumables, mechanical point repair devices, rat blockers and other site consumables.

S1E Limited is committed to being a quality supplier, with a focus on customer service. S1E is proud to be an active member of the UK Society for Trenchless Technology.

First established in 2007 as Fernco Environmental, the company's mission was to seek out repair products for the infrastructure repair and water management markets. Since 2016, it has re-focused its ranges to the specialist field of trenchless repair, with a growing portfolio in this specialist area.

The company is owned by Cooper Companies Inc, a US-based leader in the production of pipe couplings. The Group also owns companies in Canada, Mexico, Brazil, Germany and France, as well as the UK-based sister company to S1E, Fernco (previously, Flexseal).

It is accredited to ISO 9001: 2015 for its Quality Management System. It is also accredited to ISO 14001: 2015 for its Environmental Management System.



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