



LOW BACK PRESSURE PIPE TEST PLUG

DATA SHEET

Inflatable annular plug for low-pressure air-leak testing and temporary protection of unused pipelines.



**0.01
BAR***

BACK
PRESSURE



**-20°C TO
+80°C**

OPERATING
TEMPERATURE



**300 MM TO
1100 MM**

PIPE I.D.
RANGE



1.5 BAR

MAX. WORKING
PRESSURE



**DUAL TEST
PORTS**



**LOW-PRESSURE
AIR TESTING**



CUSTOMIZABLE



PLUGLINE
MADE IN TURKEY

LOW-PRESSURE TESTING. CONTROLLED PIPE BLANKING.

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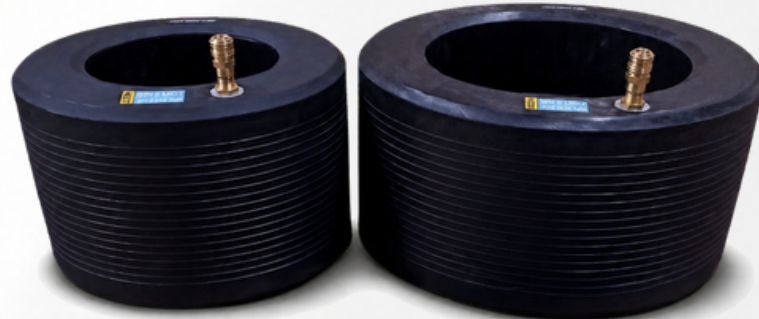
LOW BACK PRESSURE PIPE TEST PLUG

LOW-PRESSURE TESTING. CONTROLLED PIPE BLANKING.

The Plugline Low Back Pressure Pipe Test Plug is an inflatable annular sealing device designed for low-pressure air-leak testing of pipe joints and temporary blanking of pipeline openings.

The plug is inserted in its deflated condition and inflated against the internal pipe wall. Its dual test ports provide connections for controlled pressurization, venting and pressure measurement during testing.

The product may also be used to close pipe sections that will remain unused temporarily, helping prevent the entry of dust, dirt and manufacturing debris. Plugline lists models for pipe internal diameters from 300 mm to 1100 mm, all with a maximum plug inflation pressure of 1.5 bar.



FEATURES

ANNULAR SEALING PROFILE

The inflatable ring-shaped body provides circumferential contact against the internal pipe surface.

LOW-PRESSURE AIR TESTING

Designed for controlled air-leak testing of pipe joints and enclosed pipeline sections.

DUAL TEST PORTS

Two 6.35 mm / ¼-inch connections support pressure introduction, venting and test-gauge connection.

WIDE DIAMETER COVERAGE

Individual models cover defined pipe I.D. ranges between 300 mm and 1100 mm.

COMPACT AXIAL LENGTH

All listed models have a total axial length of 250 mm, supporting installation where longitudinal space is limited.

TEMPORARY PIPE PROTECTION

May be used to blank unused pipe openings against dust, dirt and foreign-material ingress.

APPLICATIONS

- Low-pressure pipe-joint air-leak testing
- Temporary blanking of unused pipelines
- Protection against dust and debris ingress
- Manufacturing and fabrication facilities
- Sewer and drainage pipe inspection
- Pipeline commissioning support
- Controlled venting and pressure monitoring
- Temporary closure of large pipe openings

TECHNICAL SPECIFICATIONS

Applicable Pipe I.D. Range	300–1100 mm
Maximum Inflation Pressure	1.5 bar / 21.75 psi
Maximum Air-Leak Test Pressure	0.01 bar / 0.145 psi*
Catalogue Back-Pressure Reference	0.02 bar / 0.29 psi*
Operating Temperature	–20°C to +80°C
Product Diameter Range	280–880 mm
Overall Product Length	250 mm / 9.84 in
Test-Port Configuration	2 × 6.35 mm / 2 × ¼ in
Product Weight Range	2.0–8.0 kg
Construction	Reinforced inflatable annular elastomeric body
Material Options	NR/SBR, CR or EPDM
Customization	Available according to project requirements

PRODUCT RANGE

LOW BACK PRESSURE PIPE TEST PLUGS (1,5BAR/21,75PSI)

Product Code	Nominal Size (mm)	Min. Pipe Inner Dia. to be tested (mm/inch)	Max. Pipe Inner Dia. to be tested (mm/inch)	Max. Working Pressure (bar/psi)	Product Diameter (mm/inch)	Total Length of Product (mm/inch)	Bypass Diameter (mm/inch)	Product Weight (kg/lbs)
LBTP300400	300–400	300mm/11.81"	400mm/15.75"	1,5bar/21,75psi	280mm/11.02"	250mm/9.84"	2x6,35mm/2x1/4"	2,0kg/4,41lbs
LBTP400500	400–500	400mm/15.75"	500mm/19.69"	1,5bar/21,75psi	380mm/14.96"	250mm/9.84"	2x6,35mm/2x1/4"	3,0kg/6,61lbs
LBTP500600	500–600	500mm/19.69"	600mm/23.62"	1,5bar/21,75psi	480mm/18.9"	250mm/9.84"	2x6,35mm/2x1/4"	4,0kg/8,82lbs
LBTP600700	600–700	600mm/23.62"	700mm/27.56"	1,5bar/21,75psi	580mm/22.83"	250mm/9.84"	2x6,35mm/2x1/4"	5,0kg/11,02lbs
LBTP700800	700–800	700mm/27.56"	800mm/31.5"	1,5bar/21,75psi	680mm/26.77"	250mm/9.84"	2x6,35mm/2x1/4"	6,0kg/13,23lbs
LBTP800900	800–900	800mm/31.5"	900mm/35.43"	1,5bar/21,75psi	780mm/30.71"	250mm/9.84"	2x6,35mm/2x1/4"	7,0kg/15,43lbs
LBTP9001100	900–1100	900mm/35.43"	1100mm/43.31"	1,5bar/21,75psi	880mm/34.65"	250mm/9.84"	2x6,35mm/2x1/4"	8,0kg/17,64lbs

*Other sizes and custom pressure ratings available upon request.

HOW TO USE

Six-step installation and removal sequence - always follow the selected model limits.

01

SELECT

Select the plug according to the actual pipe I.D. and required low-pressure test procedure.

02

INSPECT

Check the inflatable body, test ports, fittings, valves and pressure equipment for damage.

03

PREPARE

Clean the pipe interior and remove sharp edges, deposits and loose debris from the sealing zone.

04

POSITION

Insert the fully deflated plug and align the annular sealing body squarely inside the pipe.

05

INFLATE AND TEST

Inflate gradually to the rated plug pressure, then apply the specified low test pressure through the test ports.

06

VENT AND REMOVE

Release the pipeline test pressure first, then fully deflate the plug and confirm zero pressure before removal.



SAFETY: FULLY INSERT AND RESTRAIN THE STOPPER BEFORE INFLATION.

Never exceed the specified inflation or back-pressure rating. Keep personnel clear of the potential ejection path and fully depressurize the pipeline and stopper before adjustment or removal. Cone-stopper suppliers specifically require full insertion before inflation and warn against use in unrestrained pipework.