



INFLATABLE PILLOW PIPE TEST PLUG

DATA SHEET

Flexible pillow-type test plug with an integrated bypass for large-pipeline isolation and leak testing.



**0.2 TO 0.5
BAR**

BACK
PRESSURE



**-20°C TO
+80°C**

OPERATING
TEMPERATURE



**600 MM TO
2000 MM**

PIPE I.D.
RANGE



**UP TO
1.0 BAR**

MAX. WORKING
PRESSURE



**FLEXIBLE PILLOW
DESIGN**



**LARGE BYPASS
CAPACITY**



CUSTOMIZABLE



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INFLATABLE PILLOW PIPE TEST PLUG

FLEXIBLE ACCESS. CONTROLLED PIPELINE TESTING.

The Plugline Inflatable Pillow Pipe Test Plug is designed for temporary isolation and leak testing of large sewer, stormwater and drainage pipelines.

Its flexible, flattened construction allows the plug to be folded and guided through gullies, manholes and other restricted access points. Once positioned and inflated, the integrated bypass enables controlled filling, draining, venting or passage of the test medium.

Pillow test plugs are commonly used together with pillow pipe stoppers to isolate and test a defined pipeline section. Plugline's catalogue identifies flexibility, bypass capability and pipeline leak-detection applications as the principal characteristics of this product.



APPLICATIONS

- Large sewer and stormwater pipelines
- Municipal drainage systems
- Pipeline leak and pressure testing
- Temporary pipeline isolation
- Controlled filling and draining
- Pipeline venting through the bypass
- Maintenance and repair operations
- Restricted-access pipeline sections
- Sectional testing with a pillow pipe stopper

TECHNICAL SPECIFICATIONS

Applicable Pipe I.D. Range	600–2000 mm
Maximum Inflation Pressure	0.5–1.0 bar / 7.25–14.50 psi
Rated Back Pressure	0.2–0.5 bar / 2.90–7.25 psi
Operating Temperature	–40°C to +60°C
Size Configuration	Multi-size
Product Width Range	910–2180 mm
Product Length Range	2500–3200 mm
Bypass Diameter Range	290–406 mm*
Product Weight Range	40–110 kg
Construction	Reinforced flexible pillow-type inflatable body
Material Options	NR/SBR, CR or EPDM
Inflation Method	Regulated air supply through an inflation connection
Customization	Available according to project requirements

PRODUCT RANGE

INFLATABLE PILLOW PIPE TEST PLUGS (0,5 BAR/7,0 PSI - 1 BAR/14,5 PSI)

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)	Back Pressure (bar/psi)	Product Width (mm/inch)	Total Length of Product (mm/inch)	Bypass Diameter (mm/inch)	Product Weight (kg/lbs)
IPTP6001000	600-1000	600mm/23,62"	1000mm/39,37"	1,0bar/14,5psi	0,5bar/7,25psi	910mm/35,83"	2500mm/98,43"	290mm/11,5"	40kg/88,18lbs
IPTP8001200	800-1200	800mm/31,5"	1200mm/47,24"	1,0bar/14,5psi	0,3bar/4,35psi	1200mm/47,24"	2500mm/98,43"	323mm/12,5"	55kg/121,25lbs
IPTP10001400	1000-1400	1000mm/39,37"	1400mm/55,12"	0,8bar/11,5psi	0,3bar/4,35psi	1490mm/58,66"	2600mm/102,36"	340mm/13,5"	65kg/143,3lbs
IPTP12001600	1200-1600	1200mm/47,24"	1600mm/62,99"	0,6bar/8,5psi	0,2bar/2,9psi	1645mm/64,76"	3000mm/118,11"	340mm/13,5"	85kg/187,39lbs
IPTP15002000	1500-2000	1500mm/59,06"	2000mm/78,74"	0,5bar/7,0psi	0,2bar/2,9psi	2180mm/85,83"	3200mm/125,98"	406mm/16"	110kg/242,51lbs

*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

Confirm the pipe internal diameter, required bypass capacity and applicable inflation and back-pressure ratings.

02

INSPECT

Check the inflatable body, seams, reinforcement, inflation connection, bypass fittings and handling attachments for damage.

03

PREPARE

Remove sharp edges, deposits and debris from the pipe surface and insertion route.

04

POSITION AND RESTRAIN

Insert the completely deflated and folded plug position it fully within the pipe and install an engineered restraint system.

05

CONNECT AND INFLATE

Connect the bypass and testing equipment. Inflate gradually with regulated equipment to the pressure specified for the selected model.

06

TEST AND RELEASE

Perform the test within the rated back-pressure limit. Release all pipeline pressure before fully deflating, disconnecting or removing the plug.



SAFETY: KEEP CLEAR OF THE STOPPER WHILE PRESSURIZED.

Never exceed the inflation or back-pressure rating shown on the product label. Keep personnel outside the potential ejection zone, continuously monitor plug pressure and release pipeline back pressure before deflating the plug. Inflatable pipe-plug safety manuals require suitable bracing and prohibit removal while pressure remains in the pipeline or plug.

FEATURES

FLEXIBLE PILLOW CONSTRUCTION

The deflated plug can be folded into a compact profile for insertion through restricted pipeline openings.

INTEGRATED LARGE BYPASS

Provides a controlled passage for filling, draining, venting or connecting pipeline testing equipment.

WIDE PIPE-SIZE COVERAGE

The updated product range covers pipe internal diameters from 600 mm to 2000 mm.

VARIABLE PRESSURE RATINGS

Maximum inflation pressure ranges from 0.5 bar to 1.0 bar, depending on the selected model.

RESTRICTED-ACCESS INSTALLATION

Suitable for insertion through gullies, manholes and similar access points where conventional rigid equipment cannot be introduced easily.

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