



INFLATABLE MEDIUM-SIZE PIPE TEST PLUG

DATA SHEET

Inflatable test plug
with an integrated
bypass for pipeline
isolation and testing.



0.5 BAR

BACK
PRESSURE



**-20°C TO
+80°C**

OPERATING
TEMPERATURE



**50 MM TO
600 MM**

PIPE I.D.
RANGE



**UP TO
3.0 BAR**

MAX. WORKING
PRESSURE



**WIDE EXPANSION
RANGE**



**INTEGRATED
BYPASS**



CUSTOMIZABLE



BUILT TO SEAL. TESTED TO TRUST.

WWW.PLUGLINE.NET



INFLATABLE MEDIUM-SIZE PIPE TEST PLUG

RELIABLE ISOLATION. CONTROLLED PIPELINE TESTING.

The Plugline Inflatable Medium-Size Pipe Test Plug provides temporary pipeline isolation with an integrated bypass connection for testing, maintenance and repair operations.

Its multi-size inflatable construction covers pipe internal diameters from 50 mm to 600 mm, while the bypass allows controlled air or fluid passage through the isolated pipe section.

FEATURES

WIDE EXPANSION RANGE

Each model accommodates multiple pipe diameters, reducing the number of test plugs required on site.

INTEGRATED BYPASS

Available with bypass connections from 6.35 mm / ¼ inch to 50.80 mm / 2 inches.

HIGH WORKING PRESSURE

Maximum inflation pressure of 2.5 or 3.0 bar, depending on the selected model.

BACK-PRESSURE RESISTANCE

Designed to withstand pipeline back pressure up to 0.5 bar.

MATERIAL OPTIONS

Available in NR/SBR, CR or EPDM according to application requirements.

APPLICATIONS

- Sewer and drainage systems
- Water and wastewater pipelines
- Pipeline pressure and leak testing
- Temporary pipeline isolation
- Maintenance and repair operations
- Controlled air or fluid passage
- Pipe cleaning and rehabilitation
- Residential and industrial piping systems

TECHNICAL SPECIFICATIONS

Pipe I.D. Range	50–600 mm
Maximum Working Pressure	2.5–3.0 bar / 36.25–43.51 psi
Maximum Back Pressure	0.5 bar / 7.25 psi
Operating Temperature	–20°C to +80°C
Size Configuration	Multi-size
Bypass Connections	6.35–50.80 mm / ¼–2 in
Product Diameter Range	45–280 mm
Product Length Range	150–600 mm
Product Weight Range	0.7–14 kg
Material Options	NR/SBR, CR or EPDM
Customization	Available according to project requirements

PRODUCT RANGE

INFLATABLE MEDIUM SIZE PIPE TEST PLUGS (2,5 BAR/36,25 PSI)

Product Code	Nomin al 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 Diameter (mm/inch)	Total Length of Product (mm/inch)	Bypass Diameter (mm/inch)	Product Weight (kg/lbs)
IMTP50100	50-100	45mm/1,77"	100mm/3,94"	3,0bar/43,51psi	0,5bar/7,25psi	45mm/1,77"	150mm/5,91"	6,35mm/1/4"	0,7kg/1,54lbs
IMTP70150	70-150	70mm/2,76"	150mm/5,91"	3,0bar/43,51psi	0,5bar/7,25psi	65mm/2,56"	200mm/7,87"	6,35mm/1/4"	1,2kg/2,65lbs
IMTP100200	100-200	100mm/3,94"	200mm/7,87"	3,0bar/43,51psi	0,5bar/7,25psi	85mm/3,34"	200mm/7,87"	12,70mm/1/2"	1,7kg/3,75lbs
IMTP150300	150-300	150mm/5,91"	300mm/11,81"	2,5bar/36,25psi	0,5bar/7,25psi	135mm/5,31"	300mm/11,81"	25,40mm/1"	4,5kg/9,92lbs
IMTP200400	200-400	200mm/7,87"	400mm/15,75"	2,5bar/36,25psi	0,5bar/7,25psi	182mm/7,16"	400mm/15,75"	25,40mm/1"	6,5kg/14,33lbs
IMTP300600	300-600	300mm/11,81"	600mm/23,62"	2,5bar/36,25psi	0,5bar/7,25psi	280mm/11,02"	600mm/23,62"	50,80mm/2"	14kg/30,85lbs

*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, expansion range, bypass size and required pressure rating.

02

INSPECT

Check the inflatable body, bypass fitting, inflation connection and equipment for damage.

03

POSITION

Clean the pipe interior and insert the test plug completely into the required position.

04

CONNECT

Securely connect the testing equipment or bypass hose to the appropriate connection.

05

INFLATE AND TEST

Inflate gradually to the specified working pressure and conduct the operation within the rated limits.

06

RELEASE

Release all pipeline and inflation pressure, disconnect the equipment and carefully remove the test plug.



SAFETY: KEEP CLEAR OF THE STOPPER WHILE PRESSURIZED.

Never exceed the specified inflation or back-pressure ratings. Use suitable restraint and completely depressurize the stopper before adjustment, disconnection or removal.

