



MULTI-SIZE METAL CORE PIPE TEST PLUG

DATA SHEET

Wide-range inflatable test plug for pipeline isolation, bypass flow and pressure testing.



0.5 BAR

BACK
PRESSURE



**-20°C TO
+80°C**

OPERATING
TEMPERATURE



**70 MM TO
1200 MM**

PIPE I.D.
RANGE



1.5 BAR

MAX. WORKING
PRESSURE



**WIDE EXPANSION
RANGE**



**CONTROLLED
INFLATION**



**MULTIPLE BYPASS
OPTIONS**



BUILT TO SEAL. TESTED TO TRUST.

WWW.PLUGLINE.NET

MULTI-SIZE METAL CORE PIPE TEST PLUG

CONTROLLED BYPASS. RELIABLE PIPELINE TESTING.

The Plugline Multi-Size Metal Core Pipe Test Plug is an inflatable solution for temporary pipeline isolation, vacuum testing, leak detection, repair and pressure testing. Its wide expansion range allows each model to accommodate multiple pipe diameters.

The reinforced metal core supports configurable bypass connections, allowing pipeline flow to continue or be redirected during testing, maintenance and repair operations. Models are available for pipe internal diameters from 70 mm to 1200 mm.



APPLICATIONS

- Sewer and drainage systems
- Water and wastewater pipelines
- Pipeline pressure and vacuum testing
- Leak detection operations
- Newly installed or repaired pipelines
- Temporary pipeline isolation
- Flow diversion during maintenance
- High-flow bypass applications

TECHNICAL SPECIFICATIONS

Pipe I.D. Range	70–1200 mm
Maximum Working Pressure	1.5 bar / 21.75 psi
Maximum Back Pressure	0.5 bar / 7.25 psi
Operating Temperature	–20°C to +80°C
Elastomer Options	NR/SBR, CR or EPDM
Bypass Connections	1–6 inches, depending on model
Product Diameter Range	68–440 mm
Product Length Range	260–1500 mm
Construction	Inflatable elastomeric body with reinforced metal core
Customization	Available according to project requirements

FEATURES

WIDE EXPANSION RANGE

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

MULTIPLE BYPASS CONFIGURATIONS

Available with individual or combined bypass connections ranging from 1 inch to 6 inches.

PRESSURE PERFORMANCE

Designed for a maximum inflation pressure of 1.5 bar and back pressure up to 0.5 bar.

MATERIAL OPTIONS

NR/SBR, CR or EPDM sealing materials

CUSTOMIZABLE DESIGN

Bypass connections, dimensions and material options can be adapted to project requirements.

SEALING TODAY.
PROTECTING TOMORROW

PRODUCT RANGE

MULTI SIZE METAL CORE PIPE TEST PLUGS (1,5 BAR/21,75 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 Diameter (mm/inch)	Total Length of Product (mm/inch)	Bypass Diameter (mm/inch)	Product Weight (kg/lbs)
MMTP70150A	70-150	70mm/2,76"	150mm/5,91"	1,5bar/21,75psi	0,5bar/7,25psi	68mm/2,68"	260mm/10,24"	25,40mm/1"	2,5kg/5,51lbs
MMTP100150A	100-150	100mm/3,94"	150mm/5,91"	1,5bar/21,75psi	0,5bar/7,25psi	85mm/3,35"	400mm/15,75"	50,80mm/2"	2,5kg/5,51lbs
MMTP100200A	100-200	100mm/3,94"	200mm/7,87"	1,5bar/21,75psi	0,5bar/7,25psi	85mm/3,35"	500mm/19,69"	25,40mm/1"	3,5kg/7,72lbs
MMTP100200B	100-200	100mm/3,94"	200mm/7,87"	1,5bar/21,75psi	0,5bar/7,25psi	85mm/3,35"	500mm/19,69"	50,80mm/2"	4,5kg/9,92lbs
MMTP125200A	125-200	125mm/4,92"	200mm/7,87"	1,5bar/21,75psi	0,5bar/7,25psi	115mm/4,53"	500mm/19,69"	50,80mm/2"	4,5kg/9,92lbs
MMTP200500A	200 - 500	200mm/7,87"	500mm/19,69"	1,5bar/21,75psi	0,5bar/7,25psi	185mm/7,28"	900mm/35,43"	25,40mm/1"+50,80mm/2"	15kg/33,06lbs
MMTP200500B	200 - 500	200mm/7,87"	500mm/19,69"	1,5bar/21,75psi	0,5bar/7,25psi	185mm/7,28"	900mm/35,43"	76,20mm/3"	20kg/44,09lbs
MMTP300600A	300-600	300mm/11,81"	600mm/23,62"	1,5bar/21,75psi	0,5bar/7,25psi	285mm/11,22"	1000mm/39,37"	25,40mm/1"+50,80mm/2"	25kg/55,10lbs
MMTP300600B	300-600	300mm/11,81"	600mm/23,62"	1,5bar/21,75psi	0,5bar/7,25psi	285mm/11,22"	1000mm/39,37"	101,60mm/4"	28kg/61,73lbs
MMTP300750A	300-750	300mm/11,81"	750mm/29,52"	1,5bar/21,75psi	0,5bar/7,25psi	285mm/11,22"	1000mm/39,37"	25,40mm/1"+50,80mm/2"	32kg/70,55lbs
MMTP500800A	500 -800	500mm/19,69"	800mm/31,5"	1,5bar/21,75psi	0,5bar/7,25psi	440mm/17,32"	1200mm/47,24"	2 X 1" + 4"	55kg/121,22lbs
MMTP500800B	500 -800	500mm/19,69"	800mm/31,5"	1,5bar/21,75psi	0,5bar/7,25psi	440mm/17,32"	1200mm/47,24"	152,40mm/6"	64kg/141,11lbs
MMTP5001200A	500 -1200	500mm/19,69"	1200mm/47,24"	1,5bar/21,75psi	0,5bar/7,25psi	440mm/17,32"	1500mm/59,06"	2 X 1" + 4"	70kg/31,76lbs
MMTP5001200B	500 -1200	500mm/19,69"	1200mm/47,24"	1,5bar/21,75psi	0,5bar/7,25psi	440mm/17,32"	1500mm/59,06"	152,40mm/6"	76kg/167,55lbs

*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, plug expansion range, bypass configuration and required pressure rating.

02 INSPECT

Check the inflatable body, metal core, bypass fittings and inflation equipment for damage or contamination.

03 POSITION

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

04 CONNECT

Securely connect the required bypass hoses or piping and restrain all connections appropriately.

05 INFLATE AND TEST

Inflate gradually to the specified pressure and conduct the required testing or bypass operation within rated limits.

06 RELEASE

Stop the operation, release all pipeline and inflation pressure, disconnect the bypass and carefully remove the 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.