



MULTI-SIZE MANHOLE TEST PLUG

DATA SHEET

Inflatable sealing plug with test-port and bypass configurations for manhole leakage testing and temporary closure.



0.2 BAR

BACK
PRESSURE



**-20°C TO
+80°C**

OPERATING
TEMPERATURE



**600 MM TO
1050 MM**

PIPE I.D.
RANGE



1.5 BAR

MAX. WORKING
PRESSURE



**PORT / BYPASS
OPTIONS**



**MANHOLE SEALING
PROFILE**



CUSTOMIZABLE



SECURE SEALING. CONTROLLED MANHOLE TESTING.

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MULTI-SIZE MANHOLE TEST PLUG

INFLATABLE SEALING FOR MANHOLE LEAK TESTING

The Plugline Multi-Size Manhole Test Plug is an inflatable sealing device designed for leakage testing and temporary closure of manholes, inspection chambers and similar access structures.

Its reinforced elastomeric sealing body expands against the internal manhole wall to establish a controlled test seal. Type A models incorporate dual test ports, while Type B models include a larger bypass connection for flow-through, venting or test-line arrangements.

The range covers internal diameters from 600 mm to 1050 mm, with a maximum inflation pressure of 1.5 bar.



APPLICATIONS

- Manhole leakage testing
- Inspection-chamber sealing
- Temporary manhole closure
- Sewer-system inspection
- Drainage rehabilitation work
- Controlled filling and venting
- Flow-through testing arrangements
- Municipal wastewater infrastructure

TECHNICAL SPECIFICATIONS

Applicable Manhole I.D. Range	600–1050 mm
Maximum Inflation Pressure	1.5 bar / 21.75 psi
Back Pressure in Concrete Dry Pipe	0.2 bar / 2.90 psi
Operating Temperature	–20°C to +80°C
Product Diameter Range	580–980 mm
Overall Product Length	250 mm / 9.84 in
Type A Port Configuration	2 × 6.35 mm / 2 × ¼ in
Type B Bypass Configuration	50.80 mm / 2 in
Product Weight Range	5.0–9.5 kg
Construction	Reinforced inflatable elastomeric sealing body
Material Options	NR/SBR, CR or EPDM
Customization	Available according to project requirements

FEATURES

MANHOLE-SPECIFIC SEALING PROFILE

The annular inflatable body provides circumferential contact against the internal manhole wall.

TWO CONNECTION CONFIGURATIONS

Available with dual 6.35 mm ports or a single 50.80 mm bypass connection.

CONTROLLED INFLATION

The sealing body is inflated through a dedicated connection using regulated compressed air.

REINFORCED ELASTOMERIC BODY

Provides controlled expansion and stable sealing contact within the specified diameter range.

CORROSION-RESISTANT HARDWARE

Metal fittings, lifting points and connection components support repeated operation in wastewater environments.

HANDLING AND RESTRAINT POINTS

Integrated chains and lifting points assist with positioning, restraint and retrieval.

MANHOLE TESTING.
RELIABLE SEALING.

PRODUCT RANGE

MULTI SIZE MANHOLE 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)	Product Diameter (mm/inch)	Total Length of Product (mm/inch)	Bypass Diameter (mm/inch)	Product Weight (kg/lbs)
MSMTP600650/A	600-650	600mm/23,62"	650mm/25,59"	1,5bar/21,75psi	580mm/22,83"	250mm/9,84"	2x6,35mm/2x1/4"	5,0kg/11,02lbs
MSMTP600650/B	600-650	600mm/23,62"	650mm/25,59"	1,5bar/21,75psi	580mm/22,83"	250mm/9,84"	50,80mm/2"	5,5kg/12,12lbs
MSMTP800850/A	800-850	800mm/31,49"	850mm/33,46"	1,5bar/21,75psi	780mm/30,70"	250mm/9,84"	2x6,35mm/2x1/4"	7,0kg/15,43lbs
MSMTP800850/B	800-850	800mm/31,49"	850mm/33,46"	1,5bar/21,75psi	780mm/30,70"	250mm/9,84"	50,80mm/2"	7,5kg/16,53lbs
MSMTP10001050/A	1000-1050	1000mm/39,37"	1050mm/41,33"	1,5bar/21,75psi	980mm/38,58"	250mm/9,84"	2x6,35mm/2x1/4"	9,0kg/19,84lbs
MSMTP10001050/B	1000-1050	1000mm/39,37"	1050mm/41,33"	1,5bar/21,75psi	980mm/38,58"	250mm/9,84"	50,80mm/2"	9,5kg/20,94lbs

*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 manhole ID, sealing position and required port configuration.

02

INSPECT

Check the elastomeric body, fittings, valves, chains and lifting points for damage.

03

PREPARE

Clean the sealing surface and remove debris, deposits and sharp projections.

04

POSITION

Lower the deflated plug into the manhole and align it squarely at the test location.

05

RESTRAIN AND INFLATE

Secure the chains, connect the test or bypass lines and inflate gradually with regulated air.

06

TEST AND RELEASE

Complete the test within the permitted pressure limit, then fully vent and remove the plug safely.



SAFETY: RESTRAIN THE PLUG AND KEEP PERSONNEL CLEAR WHILE PRESSURIZED.

Use a regulated air supply and calibrated pressure gauge. Never exceed 1.5 bar maximum inflation pressure or 0.2 bar back pressure in concrete dry pipe. Confirm that the chains, lifting points, valves and connections are secure before inflation. Do not enter the manhole, reposition the plug or disconnect any line while the system is pressurized. Fully vent the test section and inflatable body, verify zero pressure and only then remove the plug.