



CONE PIPE TEST PLUG

DATA SHEET

Flexible conical test plug
with integrated bypass
for pipeline isolation
and leak testing.



**0.2 TO 0.5
BAR**

BACK
PRESSURE



**-20°C TO
+80°C**

OPERATING
TEMPERATURE



**150 MM TO
3600 MM**

PIPE I.D.
RANGE



**UP TO
1.0 BAR**

MAX. WORKING
PRESSURE



**MULTI-PROFILE
COMPATIBILITY**



**INTEGRATED
BYPASS**



CUSTOMIZABLE



BUILT TO SEAL. TESTED TO TRUST.

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CONE PIPE TEST PLUG

MULTI-PROFILE SEALING. CONTROLLED PIPELINE TESTING.

The Plugline Cone Pipe Test Plug is a flexible inflatable solution for temporary pipeline isolation, leak testing and controlled bypass operations. Its conical construction allows each model to accommodate a broad range of pipe dimensions and profiles.

When deflated, the plug can be guided through standard manholes and restricted access points. Once positioned, it is inflated against the internal pipe surface while the integrated bypass permits controlled filling, venting, draining or test-medium passage.

The range covers pipe internal dimensions from 150 mm to 3600 mm. Plugline identifies the product for water- or air-based leak testing in newly installed pipelines and for use in round and various non-circular pipe profiles.



FEATURES

MULTI-PROFILE COMPATIBILITY

Suitable for circular, ovoid, egg-shaped, rectangular, kite-shaped and other non-standard pipe profiles within the selected size range.

INTEGRATED BYPASS

Bypass connections range from 12.70 mm / ½ inch to 101.60 mm / 4 inches, depending on the model.

FLEXIBLE CONICAL CONSTRUCTION

The deflated body can be folded and guided through standard manholes and restricted pipeline access points.

REPAIRABLE CONSTRUCTION

The official product information describes the rubber body as repairable, subject to the manufacturer's inspection and repair limits.

MATERIAL OPTIONS

Available in NR/SBR, CR or EPDM according to the operating environment.

APPLICATIONS

- Water- and air-based pipeline leak testing
- Sewer and drainage pipelines
- Circular and non-circular pipe profiles
- Newly installed pipeline testing
- Temporary pipeline isolation
- Controlled filling and draining
- Venting through the bypass connection
- Municipal and industrial pipeline maintenance
- Manhole and restricted-access applications
- Culverts and large-diameter pipelines

TECHNICAL SPECIFICATIONS

Applicable Pipe I.D. Range	150–3600 mm
Maximum Inflation Pressure	0.4–1.0 bar / 5.80–14.50 psi
Rated Back Pressure	0.2–0.5 bar / 2.90–7.25 psi
Operating Temperature	–20°C to +80°C, subject to confirmation
Size Configuration	Multi-size
Bypass Diameter Range	12.70–101.60 mm / ½–4 in
Product Diameter Range	100–1800 mm
Product Length Range	800–4250 mm
Product Weight Range	9.5–418 kg
Construction	Reinforced flexible conical inflatable body
Compatible Profiles	Circular and non-circular
Inflation Method	Regulated air supply through inflation connection
Customization	Available according to project requirements

PRODUCT RANGE

CONE PIPE TEST PLUGS (1,0 BAR/14,50 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)
CTP150400/1	150-400	150mm/5,91"	400mm/15,75"	1,0bar/14,50psi	0,5bar/7,25psi	100mm/3,94"	800mm/31,49"	12,70mm/1/2"	9,5kg/20,93lbs
CTP250600/1	250-600	250mm/9,84"	600mm/23,62"	1,0bar/14,50psi	0,5bar/7,25psi	200mm/7,87"	1150mm/45,27"	25,40mm/1"	17,0kg/37,46lbs
CTP300800/1	300-800	300mm/11,81"	800mm/31,5"	1,0bar/14,50psi	0,5bar/7,25psi	250mm/9,84"	1400mm/55,11"	50,80mm/2"	27,0kg/59,50lbs
CTP4001000/1	400-1000	400mm/15,75"	1000mm/39,37"	1,0bar/14,50psi	0,5bar/7,25psi	300mm/11,81"	1750mm/68,89"	50,80mm/2"	36,0kg/79,35lbs
CTP5001200/1	500-1200	500mm/19,69"	1200mm/47,24"	1,0bar/14,50psi	0,5bar/7,25psi	400mm/15,75"	1900mm/74,80"	50,80mm/2"	54,1kg/119,23lbs
CTP5001400/1	500-1400	500mm/19,69"	1400mm/55,12"	1,0bar/14,50psi	0,5bar/7,25psi	400mm/15,75"	2250mm/88,58"	50,80mm/2"	75,0kg/165,30lbs
CTP5001500/1	500-1500	500mm/19,69"	1500mm/59,06"	1,0bar/14,50psi	0,5bar/7,25psi	400mm/15,75"	2600mm/102,36"	50,80mm/2"	80,0kg/176,32lbs
CTP6001600/1	600-1600	600mm/23,62"	1600mm/62,99"	1,0bar/14,50psi	0,5bar/7,25psi	500mm/19,69"	2800mm/110,23"	50,80mm/2"	115,0kg/253,46lbs
CTP10001800/1	1000-1800	1000mm/39,37"	1800mm/70,87"	1,0bar/14,50psi	0,5bar/7,25psi	700mm/27,56"	3000mm/118,11"	50,80mm/2"	165,0kg/363,66lbs
CTP10002200/1	1000-2200	1000mm/39,37"	2200mm/86,61"	1,0bar/14,50psi	0,5bar/7,25psi	800mm/31,5"	3500mm/137,79"	50,80mm/2"	240,0kg/528,96lbs
CTP15002800/0,5	1500-2800	1500mm/59,05"	2800mm/110,23"	0,5bar/7,25psi	0,2bar/2,90psi	1300mm/51,18"	3650mm/143,70"	101,60mm/4"	410,0kg/903,64lbs
CTP22003600/0,4	2200-3600	2200mm/86,61"	3600mm/141,73"	0,4bar/5,80psi	0,2bar/2,90psi	1800mm/70,86"	4250mm/167,32"	101,60mm/4"	418,0kg/921,27lbs

*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 dimensions, internal profile, required bypass diameter and applicable pressure rating.

02

INSPECT

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

03

PREPARE

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

04

POSITION

Insert the fully deflated test plug and guide the conical body completely into the selected test position.

05

CONNECT AND INFLATE

Connect the bypass or test equipment, install suitable restraint and inflate gradually to the specified model pressure.

06

TEST AND RELEASE

Conduct the test within the rated back-pressure limit. Release pipeline and inflation pressure completely before disconnection or removal.



SAFETY: FULLY INSERT AND RESTRAIN THE TEST PLUG BEFORE PRESSURIZATION.

Never exceed the specified inflation or back-pressure rating. Secure the plug against axial movement, keep personnel clear of the potential ejection path and release all pipeline and inflation pressure before adjustment, disconnection or removal.