



CONE PIPE STOPPER

DATA SHEET

Flexible conical stopper
for temporary isolation
of circular and non-
circular pipelines.



**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**



**FLEXIBLE
CONICAL DESIGN**



CUSTOMIZABLE

BUILT TO SEAL. TESTED TO TRUST.

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CONE PIPE STOPPER

FLEXIBLE SEALING. MULTI-PROFILE ISOLATION.

The Plugline Cone Pipe Stopper is a flexible inflatable solution designed for temporary blocking and isolation of circular and non-circular pipelines. Its conical construction allows each model to accommodate a broad range of pipe dimensions and profiles.

When deflated, the flexible body can be guided through restricted access points and positioned inside large pipelines, sewers, channels and culverts. The product range covers pipe internal dimensions from 150 mm to 3600 mm, with maximum back-pressure ratings from 0.2 bar to 0.5 bar.

Plugline identifies the product as suitable for circular, square, rectangular, egg-shaped, open U-shaped and other non-standard pipeline profiles.



FEATURES

MULTI-PROFILE COMPATIBILITY

Suitable for circular, square, rectangular, egg-shaped, open-channel and other non-standard pipe profiles.

FLEXIBLE CONICAL CONSTRUCTION

The deflated stopper can be folded and guided through restricted openings before being positioned at the isolation point.

WIDE SIZE COVERAGE

Individual models accommodate broad pipe-dimension ranges from 150 mm up to 3600 mm.

CONTROLLED INFLATION

Inflated through a dedicated pressure connection using regulated inflation equipment.

REPAIRABLE CONSTRUCTION

The flexible rubber construction can be repaired when damage remains within the manufacturer's approved repair limits.

SEALING TODAY.
PROTECTING TOMOTOW

APPLICATIONS

- Circular sewer and drainage pipelines
- Egg-shaped and elliptical sewer profiles
- Square and rectangular channels
- Open U-shaped drainage channels
- Culverts and large-diameter pipelines
- Temporary pipeline blocking
- Maintenance and repair operations
- Leak and pressure testing
- Manhole and restricted-access applications
- Municipal and industrial wastewater systems

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*
Size Configuration	Multi-size
Product Diameter Range	100–1800 mm
Product Length Range	760–4250 mm
Product Weight Range	6–380 kg
Construction	Flexible reinforced conical inflatable body
Pipe Profiles	Circular and non-circular
Material Options	NR/SBR, CR or EPDM, subject to application
Customization	Available according to project requirements

PRODUCT RANGE

CONE PIPE STOPPERS (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)	Product Weight (kg/lbs)
CPS150400/1	150-400	150mm/5,91"	400mm/15,75"	1,0bar/14,50psi	0,5bar/7,25psi	100mm/3,94"	760mm/29,92"	6,0kg/13,22lbs
CPS250600/1	250-600	250mm/9,84"	600mm/23,62"	1,0bar/14,50psi	0,5bar/7,25psi	200mm/7,87"	1050mm/41,34"	10,0kg/22,04lbs
CPS300800/1	300-800	300mm/11,81"	800mm/31,5"	1,0bar/14,50psi	0,5bar/7,25psi	250mm/9,84"	1300mm/51,18"	21,3kg/46,94lbs
CPS4001000/1	400-1000	400mm/15,75"	1000mm/39,37"	1,0bar/14,50psi	0,5bar/7,25psi	300mm/11,81"	1600mm/62,99"	27,0kg/59,50lbs
CPS5001200/1	500-1200	500mm/19,69"	1200mm/47,24"	1,0bar/14,50psi	0,5bar/7,25psi	400mm/15,75"	1880mm/74,02"	46,6kg/102,70lbs
CPS5001400/1	500-1400	500mm/19,69"	1400mm/55,12"	1,0bar/14,50psi	0,5bar/7,25psi	400mm/15,75"	2150mm/84,65"	59,4kg/130,91lbs
CPS5001500/1	500-1500	500mm/19,69"	1500mm/59,06"	1,0bar/14,50psi	0,5bar/7,25psi	400mm/15,75"	2500mm/98,43"	60,0kg/132,24lbs
CPS6001600/1	600-1600	600mm/23,62"	1600mm/62,99"	1,0bar/14,50psi	0,5bar/7,25psi	500mm/19,69"	2650mm/104,33"	93,0kg/204,97lbs
CPS10001800/1	1000-1800	1000mm/39,37"	1800mm/70,87"	1,0bar/14,50psi	0,5bar/7,25psi	700mm/27,56"	3000mm/118,11"	140,0kg/308,56lbs
CPS10002200/1	1000-2200	1000mm/39,37"	2200mm/86,61"	1,0bar/14,50psi	0,5bar/7,25psi	800mm/31,50"	3500mm/137,80"	210,0kg/462,84lbs
CPS15002800/0,5	1500-2800	1500mm/59,06"	2800mm/110,40"	0,5bar/7,25psi	0,2bar/2,90psi	1300mm/51,18"	3650mm/143,70"	370,0kg/815,48lbs
CPS22003600/0,4	2200-3600	2200mm/86,61"	3600mm/141,73"	0,4bar/5,80psi	0,2bar/2,90psi	1800mm/70,86"	4250mm/167,32"	380,0kg/837,52lbs

*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 actual pipe dimensions, internal profile, available access opening and required back-pressure rating.

02

INSPECT

Check the stopper body, seams, reinforcement, inflation fitting and handling points for cuts, abrasion or other damage.

03

PREPARE

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

04

POSITION

Insert the completely deflated stopper and guide the conical body fully into the selected isolation position.

05

RESTRAIN AND INFLATE

Install an engineered restraint system and gradually inflate the stopper to the pressure specified for the selected model.

06

RELEASE

Remove pipeline back pressure, completely deflate the stopper and withdraw it carefully using the designated handling points.



SAFETY: FULLY INSERT AND RESTRAIN THE STOPPER BEFORE INFLATION.

Never exceed the specified inflation or back-pressure rating. Keep personnel clear of the potential ejection path and fully depressurize the pipeline and stopper before adjustment or removal. Cone-stopper suppliers specifically require full insertion before inflation and warn against use in unrestrained pipework.

