



MULTI-SIZE METAL CORE BYPASS STOPPER

DATA SHEET

Wide-range inflatable stopper for temporary pipeline isolation, flow diversion and testing.



0.5 BAR

BACK
PRESSURE



**-20°C TO
+80°C**

OPERATING
TEMPERATURE



**100 MM TO
1200 MM**

PIPE I.D.
RANGE



1.5 BAR

MAX. WORKING
PRESSURE



**WIDE EXPANSION
RANGE**



**LARGE BYPASS
CAPACITY**



CUSTOMIZABLE



**REINFORCED METAL
CORE**



BUILT TO SEAL. TESTED TO TRUST.

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MULTI-SIZE METAL CORE BYPASS STOPPER

WIDE-RANGE ISOLATION. CONTROLLED BYPASS FLOW.

The Plugline Multi-Size Metal Core Bypass Stopper is designed for temporary isolation, vacuum testing, repair and testing of sewer, drainage and pipeline systems. Its wide expansion range allows each model to accommodate multiple pipe diameters.

The reinforced metal core supports a large central bypass connection, enabling water or other pipeline flow to be redirected during maintenance, repair and testing operations. Models are available for pipe internal diameters from 100 mm to 1200 mm.



FEATURES

WIDE EXPANSION RANGE

Individual models accommodate a broad range of pipe internal diameters.

LARGE BYPASS CONNECTION

Available with 2-inch, 4-inch or 6-inch bypass connections, depending on model.

REINFORCED METAL CORE

Provides structural support for the bypass connection and improves operational stability.

CUSTOMIZABLE CONFIGURATION

Dimensions, bypass connections and material options can be modified according to project requirements.

MATERIAL OPTIONS

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

APPLICATIONS

- Sewer and drainage systems
- Water and wastewater pipelines
- Temporary pipeline isolation
- Vacuum testing and leak detection
- Pipeline maintenance and repair
- Controlled flow diversion
- Newly installed or repaired pipelines
- High-flow bypass operations

TECHNICAL SPECIFICATIONS

Pipe I.D. Range	100–1200 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
Sealing Materials	NR/SBR, CR or EPDM
Bypass Diameters	50.8 mm, 101.6 mm or 152.4 mm
Product Length Range	500–1500 mm
Product Weight Range	3.5–76 kg
Construction	Inflatable elastomeric body with reinforced metal core
Customization	Available according to project requirements

PRODUCT RANGE

MULTI SIZE METAL CORE BYPASS STOPPERS (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)
MMBS100200	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"	3,5kg/7,72lbs
MMBS200500	200 - 500	200mm/7,87"	500mm/19,69"	1,5bar/21,75psi	0,5bar/7,25psi	185mm/7,28"	900mm/35,43"	101,60mm/4"	20kg/44,09lbs
MMBS300600	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
MMBS300750	300 - 750	300mm/11,81"	750mm/29,53"	1,5bar/21,75psi	0,5bar/7,25psi	285mm/11,22"	1000mm/39,37"	101,60mm/4"	32kg/70,55lbs
MMBS500800	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/141,1lbs
MMBS5001200	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

Verify the pipe internal diameter, expansion range, bypass diameter and required pressure rating.

02

INSPECT

Check the stopper body, metal core, bypass connection and inflation equipment for damage.

03

POSITION

Clean the pipe interior, insert the stopper completely and centre it within the pipeline.

04

CONNECT

Securely connect the required bypass hose or piping and confirm that all connections are restrained.

05

INFLATE

Inflate gradually to the specified working pressure and operate within the rated back-pressure limit.

06

RELEASE

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



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.

