



INFLATABLE PIPE TEST PLUGS

DATA SHEET

Inflatable sealing and flow-control solution for pipeline testing, inspection, maintenance and repair.



**0.5 OR 1.0
BAR**

BACK
PRESSURE



**-20°C TO
+80°C**

OPERATING
TEMPERATURE



**35 MM TO
2800 MM**

PIPE I.D.
RANGE



**UP TO 2.5
BAR**

MAX. WORKING
PRESSURE



WITH BYPASS



**CONTROLLED
INFLATION**



CUSTOMIZABLE



BUILT TO SEAL. TESTED TO TRUST.

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INFLATABLE PIPE TEST PLUGS

CONTROLLED FLOW. RELIABLE PIPELINE TESTING.

The Plugline Inflatable Pipe Test Plug is a flexible pneumatic solution designed for temporary pipeline isolation, pressure testing, leak detection and controlled flow diversion.

The plug is inserted in its deflated condition and inflated using a regulated air supply. Its reinforced elastomeric body expands against the internal pipe wall, while the integrated bypass allows controlled filling, venting, draining, pressure equalization or fluid transfer through the isolated section.

Available for pipe internal diameters from 35 mm to 2800mm, the range includes 1.5-bar and 2.5-bar working-pressure models, with rated back pressures of 0.5 bar and 1.0 bar respectively. Single and dual bypass configurations are available depending on model.



FEATURES

WIDE EXPANSION RANGE

Covers pipe internal diameters from 35 mm to 2800mm.

WORKING-PRESSURE OPTIONS

Available in 1.0, 1.5 and 2.5 bar versions, depending on model.

BACK-PRESSURE RESISTANCE

Rated at 0.5 bar or 1.0 bar, depending on pressure class.

INTEGRATED BYPASS OPTIONS

Single or dual bypass configurations from 1/16" to 4".

CONTROLLED INFLATION

Inflated through a dedicated connection using regulated air pressure.

MATERIAL OPTIONS

Available in NR/SBR, CR or EPDM.

APPLICATIONS

- Hydrostatic pipeline testing and leak detection
- Temporary pipeline isolation
- Flow diversion through the bypass
- Controlled filling, venting and draining
- Sewer and wastewater maintenance
- Industrial and municipal pipeline repair

TECHNICAL SPECIFICATIONS

Applicable Pipe I.D. Range	35 mm–2800 mm
Maximum Working Pressure	1.5 or 2.5 bar / 21.75 or 36.25 psi
Rated Back Pressure	0.5 or 1.0 bar / 7.25 or 14.50 psi
Body Construction	Reinforced elastomeric body
Inflation Method	Regulated air through inflation valve
Bypass Configurations	1/16"–4"; single or dual, depending on model
Deflated Product Diameter	33 mm–1780 mm
Overall Product Length	280 mm–6000 mm
Product Weight	0.3 kg–690 kg
Customization	Available according to application requirements

PRODUCT RANGE

INFLATABLE PIPE TEST PLUGS (1,5 bar/21,75 psi) / BACK PRESSURE (0,5 bar/7,25 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)
ITP50100A/1,5	50-100	50mm/1,96"	100mm/3,93"	1,5bar/21,75psi	45mm/1,77"	330mm/12,99"	6,35mm/1/4"	1,0kg/2,20lbs
ITP50100B/1,5	50-100	50mm/1,96"	100mm/3,93"	1,5bar/21,75psi	45mm/1,77"	330mm/12,99"	2x3,17mm/2x1/8"	1,2kg/2,64lbs
ITP70150A/1,5	70-150	70mm/2,75"	150mm/5,90"	1,5bar/21,75psi	64mm/2,51"	400mm/15,74"	12,70mm/1/2"	1,2kg/2,64lbs
ITP70150B/1,5	70-150	70mm/2,75"	150mm/5,90"	1,5bar/21,75psi	64mm/2,51"	400mm/15,74"	2x6,35mm/2x1/4"	1,3kg/2,86lbs
ITP100200A/1,5	100-200	100mm/3,93"	200mm/7,87"	1,5bar/21,75psi	88mm/3,46"	500mm/19,68"	25,40mm/1"	1,8kg/3,86lbs
ITP100200B/1,5	100-200	100mm/3,93"	200mm/7,87"	1,5bar/21,75psi	88mm/3,46"	500mm/19,68"	2x12,70mm/2x1/2"	1,9kg/4,18lbs
ITP150300A/1,5	150-300	150mm/5,90"	300mm/11,81"	1,5bar/21,75psi	138mm/5,43"	580mm/22,83"	50,80mm/2"	4,0kg/8,81lbs
ITP150300B/1,5	150-300	150mm/5,90"	300mm/11,81"	1,5bar/21,75psi	138mm/5,43"	580mm/22,83"	25,40mm/1" + 12,70mm/1/2"	4,2kg/9,25lbs
ITP200400A/1,5	200-400	200mm/7,87"	400mm/15,74"	1,5bar/21,75psi	185mm/7,28"	680mm/26,77"	50,80mm/2"	7,2kg/15,87lbs
ITP200400B/1,5	200-400	200mm/7,87"	400mm/15,74"	1,5bar/21,75psi	185mm/7,28"	680mm/26,77"	2x25,40mm/2x1"	7,4kg/16,31lbs
ITP200500A/1,5	200-500	200mm/7,87"	500mm/19,68"	1,5bar/21,75psi	185mm/7,28"	820mm/32,28"	50,80mm/2"	8,0kg/17,63lbs
ITP200500B/1,5	200-500	200mm/7,87"	500mm/19,68"	1,5bar/21,75psi	185mm/7,28"	820mm/32,28"	2x25,40mm/2x1"	9,0kg/19,84lbs
ITP300600A/1,5	300-600	300mm/11,81"	600mm/23,62"	1,5bar/21,75psi	285mm/11,22"	800mm/31,49"	50,80mm/2"	11,0kg/24,25lbs
ITP300600B/1,5	300-600	300mm/11,81"	600mm/23,62"	1,5bar/21,75psi	285mm/11,22"	800mm/31,49"	2x50,80mm/2x2"	11,7kg/25,79lbs
ITP300600C/1,5	300-600	300mm/11,81"	600mm/23,62"	1,5bar/21,75psi	285mm/11,22"	800mm/31,49"	76,20mm/3"	11,0kg/24,25lbs
ITP375750A/1,5	375-750	375mm/14,76"	750mm/29,52"	1,5bar/21,75psi	355mm/13,97"	1000mm/39,37"	50,80mm/2"	18,0kg/39,68lbs
ITP375750B/1,5	375-750	375mm/14,76"	750mm/29,52"	1,5bar/21,75psi	355mm/13,97"	1000mm/39,37"	2x50,80mm/2x2"	20,0kg/44,09lbs
ITP375750C/1,5	375-750	375mm/14,76"	750mm/29,52"	1,5bar/21,75psi	355mm/13,97"	1000mm/39,37"	76,20mm/3"	21,0kg/46,30lbs
ITP5001000A/1,5	500-1000	500mm/19,68"	1000mm/39,37"	1,5bar/21,75psi	480mm/18,89"	1050mm/41,33"	50,80mm/2"	27,0kg/59,52lbs
ITP5001000B/1,5	500-1000	500mm/19,68"	1000mm/39,37"	1,5bar/21,75psi	480mm/18,89"	1050mm/41,33"	2x50,80mm/2x2"	28,0kg/61,72lbs
ITP5001000C/1,5	500-1000	500mm/19,68"	1000mm/39,37"	1,5bar/21,75psi	480mm/18,89"	1050mm/41,33"	101,60mm/4"	32,0kg/70,55lbs
ITP5001200A/1,5	500-1200	500mm/19,68"	1200mm/47,24"	1,5bar/21,75psi	480mm/18,89"	1400mm/55,11"	101,60mm/4"	41,0kg/90,39lbs
ITP6001200A/1,5	600-1200	600mm/23,62"	1200mm/47,24"	1,5bar/21,75psi	585mm/23,03"	1400mm/55,11"	50,80mm/2"	35,0kg/77,16lbs
ITP6001200B/1,5	600-1200	600mm/23,62"	1200mm/47,24"	1,5bar/21,75psi	585mm/23,03"	1400mm/55,11"	2x50,80mm/2x2"	36,0kg/79,36lbs
ITP6001200C/1,5	600-1200	600mm/23,62"	1200mm/47,24"	1,5bar/21,75psi	585mm/23,03"	1400mm/55,11"	101,60mm/4"	36,0kg/79,36lbs
ITP5001400A/1,5	500-1400	500mm/19,68"	1400mm/55,11"	1,5bar/21,75psi	480mm/18,89"	1900mm/74,80"	50,80mm/2"	45,0kg/99,20lbs
ITP8001600A/1,5	800-1600	800mm/31,49"	1600mm/62,99"	1,5bar/21,75psi	780mm/30,70"	2000mm/78,74"	50,80mm/2"	45,0kg/99,20lbs
ITP8001600B/1,5	800-1600	800mm/31,49"	1600mm/62,99"	1,5bar/21,75psi	780mm/30,70"	2000mm/78,74"	2x50,80mm/2x2"	48,0kg/105,82lbs
ITP8002000A/1,5	800-2000	800mm/31,49"	2000mm/78,74"	1,5bar/21,75psi	780mm/30,70"	2400mm/94,48"	50,80mm/2"	70,0kg/154,28lbs
ITP8002000B/1,5	800-2000	800mm/31,49"	2000mm/78,74"	1,5bar/21,75psi	780mm/30,70"	2400mm/94,48"	2x50,80mm/2x2"	75,0kg/165,30lbs
ITP12002400A/1,5	1200-2400	1200mm/47,24"	2400mm/94,48"	1,5bar/21,75psi	1180mm/46,45"	3000mm/118,11"	50,80mm/2"	220,0kg/484,88lbs
ITP12002400B/1,5	1200-2400	1200mm/47,24"	2400mm/94,48"	1,5bar/21,75psi	1180mm/46,45"	3000mm/118,11"	2x50,80mm/2x2"	230,0kg/506,92lbs
ITP12002800A/1,5	1200-2800	1200mm/47,24"	2800mm/110,23"	1,5bar/21,75psi	1180mm/46,45"	4000mm/157,48"	50,80mm/2"	260,0kg/573,04lbs

*Other sizes and custom pressure ratings available upon request.



INFLATABLE PIPE TEST PLUGS (2,5 bar/36,25 psi) / BACK PRESSURE (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)	Product Diameter (mm/inch)	Total Length of Product (mm/inch)	Bypass Diameter (mm/inch)	Product Weight (kg/lbs)
ITP3570A/2,5	35-70	35mm/1,37"	70mm/2,75"	2,5bar/36,25psi	33mm/1,29"	300mm/11,81"	1,58mm/1/16"	0,3kg/0,66lbs
ITP50100A/2,5	50-100	50mm/1,96"	100mm/3,93"	2,5bar/36,25psi	45mm/1,77"	280mm/11,02"	6,35mm/1/4"	1,0kg/2,20lbs
ITP70150A/2,5	70-150	70mm/2,75"	150mm/5,90"	2,5bar/36,25psi	65mm/2,55"	320mm/12,59"	12,70mm/1/2"	1,3kg/2,86lbs
ITP70150B/2,5	70-150	70mm/2,75"	150mm/5,90"	2,5bar/36,25psi	65mm/2,55"	320mm/12,59"	2x6,35mm/2x1/4"	1,4kg/3,08lbs
ITP100200A/2,5	100-200	100mm/3,93"	200mm/7,87"	2,5bar/36,25psi	88mm/3,46"	500mm/19,68"	25,40mm/1"	1,8kg/3,86lbs
ITP100200B/2,5	100-200	100mm/3,93"	200mm/7,87"	2,5bar/36,25psi	88mm/3,46"	500mm/19,68"	2x12,70mm/2x1/2"	1,9kg/4,18lbs
ITP150300A/2,5	150-300	150mm/5,90"	300mm/11,81"	2,5bar/36,25psi	138mm/5,43"	580mm/22,83"	50,80mm/2"	4,0kg/8,81lbs
ITP150300B/2,5	150-300	150mm/5,90"	300mm/11,81"	2,5bar/36,25psi	138mm/5,43"	580mm/22,83"	25,40mm/1 + 50,80mm/1/2"	4,2kg/9,25lbs
ITP200400A/2,5	200-400	200mm/7,87"	400mm/15,74"	2,5bar/36,25psi	185mm/7,28"	680mm/26,77"	50,80mm/2"	7,2kg/15,87lbs
ITP200400B/2,5	200-400	200mm/7,87"	400mm/15,74"	2,5bar/36,25psi	185mm/7,28"	680mm/26,77"	2x25,40mm/2x1"	7,4kg/16,31lbs
ITP300600A/2,5	300-600	300mm/11,81"	600mm/23,62"	2,5bar/36,25psi	285mm/11,22"	850mm/33,46"	50,80mm/2"	11,0kg/24,25lbs
ITP300600B/2,5	300-600	300mm/11,81"	600mm/23,62"	2,5bar/36,25psi	285mm/11,22"	850mm/33,46"	2x50,80mm/2x2"	11,7kg/25,79lbs
ITP300600C/2,5	300-600	300mm/11,81"	600mm/23,62"	2,5bar/36,25psi	285mm/11,22"	850mm/33,46"	76,20mm/3"	11,0kg/24,25lbs
ITP375750A/2,5	375-750	375mm/14,76"	750mm/29,52"	2,5bar/36,25psi	360mm/14,17"	1000mm/39,37"	50,80mm/2"	18,0kg/39,68lbs
ITP375750B/2,5	375-750	375mm/14,76"	750mm/29,52"	2,5bar/36,25psi	360mm/14,17"	1000mm/39,37"	2x50,80mm/2x2"	20,0kg/44,09lbs
ITP375750C/2,5	375-750	375mm/14,76"	750mm/29,52"	2,5bar/36,25psi	360mm/14,17"	1000mm/39,37"	76,20mm/3"	21,0kg/46,30lbs
ITP500800A/2,5	500-800	500mm/19,68"	800mm/31,49"	2,5bar/36,25psi	480mm/18,89"	1050mm/41,33"	50,80mm/2"	27,0kg/59,52lbs
ITP500800B/2,5	500-800	500mm/19,68"	800mm/31,49"	2,5bar/36,25psi	480mm/18,89"	1050mm/41,33"	2x50,80mm/2x2"	28,8kg/63,49lbs
ITP500800C/2,5	500-800	500mm/19,68"	800mm/31,49"	2,5bar/36,25psi	480mm/18,89"	1050mm/41,33"	101,60mm/4"	32,0kg/70,55lbs
ITP5001000A/2,5	500-1000	500mm/19,68"	1000mm/39,37"	2,5bar/36,25psi	480mm/18,89"	1050mm/41,33"	50,80mm/2"	27,0kg/59,52lbs
ITP5001000B/2,5	500-1000	500mm/19,68"	1000mm/39,37"	2,5bar/36,25psi	480mm/18,89"	1050mm/41,33"	2x50,80mm/2x2"	28,8kg/63,49lbs
ITP5001000C/2,5	500-1000	500mm/19,68"	1000mm/39,37"	2,5bar/36,25psi	480mm/18,89"	1050mm/41,33"	101,60mm/4"	32,0kg/70,55lbs
ITP6001200A/2,5	600-1200	600mm/23,62"	1200mm/47,24"	2,5bar/36,25psi	580mm/22,83"	1250mm/49,21"	50,80mm/2"	35,0kg/77,16lbs
ITP6001200B/2,5	600-1200	600mm/23,62"	1200mm/47,24"	2,5bar/36,25psi	580mm/22,83"	1250mm/49,21"	2x50,80mm/2x2"	36,0kg/79,36lbs
ITP6001200C/2,5	600-1200	600mm/23,62"	1200mm/47,24"	2,5bar/36,25psi	580mm/22,83"	1250mm/49,21"	101,60mm/4"	42,0kg/92,60lbs
ITP8001600A/2,5	800-1600	800mm/31,49"	1600mm/62,99"	2,5bar/36,25psi	790mm/31,10"	1800mm/70,86"	50,80mm/2"	45,0kg/99,20lbs
ITP8001600B/2,5	800-1600	800mm/31,49"	1600mm/62,99"	2,5bar/36,25psi	790mm/31,10"	1800mm/70,86"	2x50,80mm/2x2"	50,0kg/110,23lbs
ITP8002000A/2,5	800-2000	800mm/31,49"	2000mm/78,74"	2,5bar/36,25psi	780mm/30,70"	2400mm/94,48"	50,80mm/2"	70,0kg/154,28lbs
ITP8002000B/2,5	800-2000	800mm/31,49"	2000mm/78,74"	2,5bar/36,25psi	780mm/30,70"	2400mm/94,48"	2x50,80mm/2x2"	75,0kg/165,30lbs
ITP12002400A/2,5	1200-2400	1200mm/47,24"	2400mm/94,48"	2,5bar/36,25psi	1180mm/46,45"	3000mm/118,11"	50,80mm/2"	240,0kg/528,96lbs
ITP12002400B/2,5	1200-2400	1200mm/47,24"	2400mm/94,48"	2,5bar/36,25psi	1180mm/46,45"	3000mm/118,11"	2x50,80mm/2x2"	245,0kg/539,98lbs

BACK PRESSURE TABLE FOR PIPE STOPPERS & PIPE TEST PLUGS IN CONCRETE DRY PIPE (BAR)

	1.5 BAR PIPE PLUGS BACK PRESSURE																		2.5 BAR PIPE PLUGS BACK PRESSURE														
Pipe Diameter (mm)	35-70	50-100	70-150	100-200	150-300	200-400	200-500	300-600	375-750	500-1000	500-1200	500-1400	600-1200	600-1600	800-1600	1400-2800	1400-3600	1400-4200	50-100	70-150	100-200	150-300	200-400	200-500	300-600	375-750	500-1000	600-1200	800-1600	800-2000	1200-2400		
50	0.8	1.0																	2.0														
75	0.5	0.8	1.0																	2.0													
100		0.5	0.8	1.0																1.5	2.0												
150			0.5	0.8	1.0															1.0	1.5	2.0											
200				0.5	0.8	1.0	1.0														1.0	1.8	2.0	2.0									
225																						1.5	1.7	1.8									
250					0.7	0.8	0.9															1.3	1.6	1.7									
300					0.5	0.7	0.8	1.0														1.0	1.5	1.6	2.0								
400						0.5	0.6	0.8	1.2														1.0	1.3	1.6	2.0							
500							0.5	0.6	0.9	1.0	1.2	1.2												1.0	1.4	1.8	2.0						
600								0.5	0.7	0.9	1.1	1.1	1.0	1.1											1.0	1.5	1.0	2.0					
700									0.6	0.8	1.0	1.0	0.9	1.0												1.2	0.8	1.7					
750																										1.0	0.8	1.6					
800										0.7	0.8	0.9	0.8	1.0	1.2												0.7	1.5	2.0	2.0			
900										0.6	0.7	0.8	0.7	0.9	1.0												0.6	1.4	1.8	1.9			
1000										0.5	0.6	0.9	0.6	0.9	0.8												1.0	1.3	1.7	1.8			
1100																													1.2	1.6	1.8		
1200											0.5	0.7	0.5	0.8	0.7														1.0	1.5	1.7	2.0	
1300												0.6		0.8	0.7															1.4	1.7	1.9	
1400												0.5		0.7	0.6	1.3	1.4	1.4												1.3	1.6	1.8	
1500														0.6	0.6	1.3	1.4	1.4												1.2	1.6	1.7	
1600														0.5	0.5	1.2	1.3	1.3												1.0	1.5	1.6	
1700																																1.4	1.6
1800																1.1	1.3	1.3													1.2	1.5	
1900																																1.1	1.5
2000																1.0	1.2	1.2													1.0	1.4	
2100																																	1.3
2200																0.8	1.1	1.2														1.2	
2300																																	1.1
2400																	0.7	1.0	1.1													1.0	