



INFLATABLE GAS BALLOON PLUG

DATA SHEET

Flexible inflatable plug
for temporary isolation
of low-pressure gas and
process pipelines.



**0.2 TO 0.5
BAR**

BACK
PRESSURE



**-40°C TO
+90°C**

OPERATING
TEMPERATURE



**250 MM TO
3000 MM**

PIPE I.D.
RANGE



**UP TO
1.5 BAR**

MAX. WORKING
PRESSURE



**FLEXIBLE GUIDED
INSERTION**



**MULTIPLE
PRESSURE CLASSES**



**LOW-PRESSURE FLOW
STOPPING**



CUSTOMIZABLE



BUILT TO SEAL. TESTED TO TRUST.

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INFLATABLE GAS BALLOON PLUG

FLEXIBLE ISOLATION. CONTROLLED GAS FLOW STOPPING.

The Plugline Inflatable Gas Balloon Plug is a flexible pipeline flow-stopping device designed for temporary isolation during maintenance, repair, commissioning and related pipeline operations.

The plug is inserted in its deflated condition and inflated inside the pipeline. Its reinforced coated-fabric body expands against the internal pipe wall to restrict the passage of gas or another compatible process medium.

The supplied product range covers nominal pipe sizes from 250 mm to 3000 mm, with rated back-pressure configurations of 0.2, 0.3 and 0.5 bar. Inflatable bag stoppers are an established category of equipment for temporary flow stopping in low-pressure gas pipelines.



FEATURES

FLEXIBLE COATED-FABRIC BODY

The deflated construction allows the plug to be guided and positioned within large-diameter pipelines.

THREE PRESSURE CONFIGURATIONS

Available with rated back pressures of 0.2, 0.3 or 0.5 bar.

CONTROLLED INFLATION

Inflated through a dedicated hose and connection using regulated equipment.

LARGE NOMINAL SIZE RANGE

Single-size models are available from 250 mm to 3000 mm nominal diameter.

REINFORCED CONSTRUCTION

The coated-fabric body and external restraint bands support controlled expansion inside the pipeline.

CUSTOMIZABLE CONFIGURATION

Dimensions, connection arrangements and construction materials may be adapted according to the service conditions and conveyed medium.

APPLICATIONS

- Low-pressure gas pipeline flow stopping
- Chemical and industrial process pipelines
- Temporary pipeline isolation
- Pipeline maintenance and repair
- Commissioning and decommissioning work
- Fuel and compatible hydrocarbon piping
- Local isolation of pipeline sections
- Tank, boiler and process-piping connections

TECHNICAL SPECIFICATIONS

Nominal Size Range	250–3000 mm
Available Back-Pressure Classes	0.2, 0.3 and 0.5 bar
Maximum Inflation Pressure	1.0 or 1.5 bar, depending on pressure class
Operating Temperature	–40°C to +60°C*
Size Configuration	Single nominal size
Product Length Range	400–6000 mm
Body Construction	Reinforced coated-fabric inflatable body
Inflation Arrangement	Flexible hose with inflation connection
Application	Temporary low-pressure pipeline flow stopping
Customization	Available according to service requirements

PRODUCT RANGE

INFLATABLE GAS BALLOON PLUGS (0,2 BAR / 2,9 PSI)

Product Code	Nominal Size (mm)	Max. Working (Inflating) Pressure (bar/psi)	Back Pressure (bar/psi)	Product Length (mm/inch)
IGBP250	250	1 bar/14,5psi	0,2bar/2,9psi	400mm/15,75"
IGBP300	300	1 bar/14,5psi	0,2bar/2,9psi	480mm/18,9"
IGBP350	350	1 bar/14,5psi	0,2bar/2,9psi	560mm/22,05"
IGBP400	400	1 bar/14,5psi	0,2bar/2,9psi	640mm/25,2"
IGBP450	450	1 bar/14,5psi	0,2bar/2,9psi	720mm/28,35"
IGBP500	500	1 bar/14,5psi	0,2bar/2,9psi	800mm/31,5"
IGBP550	550	1 bar/14,5psi	0,2bar/2,9psi	880mm/34,65"
IGBP600	600	1 bar/14,5psi	0,2bar/2,9psi	960mm/37,8"
IGBP650	650	1 bar/14,5psi	0,2bar/2,9psi	1040mm/40,94"
IGBP700	700	1 bar/14,5psi	0,2bar/2,9psi	1120mm/44,09"
IGBP750	750	1 bar/14,5psi	0,2bar/2,9psi	1200mm/47,24"
IGBP800	800	1 bar/14,5psi	0,2bar/2,9psi	1280mm/50,39"
IGBP850	850	1 bar/14,5psi	0,2bar/2,9psi	1360mm/53,54"
IGBP900	900	1 bar/14,5psi	0,2bar/2,9psi	1440mm/56,69"
IGBP1000	1000	1 bar/14,5psi	0,2bar/2,9psi	1600mm/62,99"
IGBP1100	1100	1 bar/14,5psi	0,2bar/2,9psi	1760mm/69,29"
IGBP1150	1150	1 bar/14,5psi	0,2bar/2,9psi	1840mm/72,44"
IGBP1200	1200	1 bar/14,5psi	0,2bar/2,9psi	1920mm/75,59"
IGBP1250	1250	1 bar/14,5psi	0,2bar/2,9psi	2000mm/78,74"
IGBP1300	1300	1 bar/14,5psi	0,2bar/2,9psi	2080mm/81,89"
IGBP1350	1350	1 bar/14,5psi	0,2bar/2,9psi	2160mm/85,04"
IGBP1400	1400	1 bar/14,5psi	0,2bar/2,9psi	2240mm/88,19"
IGBP1450	1450	1 bar/14,5psi	0,2bar/2,9psi	2320mm/91,34"
IGBP1500	1500	1 bar/14,5psi	0,2bar/2,9psi	2400mm/94,49"
IGBP1550	1550	1 bar/14,5psi	0,2bar/2,9psi	2480mm/97,64"
IGBP1600	1600	1 bar/14,5psi	0,2bar/2,9psi	2560mm/100,79"
IGBP1650	1650	1 bar/14,5psi	0,2bar/2,9psi	2640mm/103,94"
IGBP1700	1700	1 bar/14,5psi	0,2bar/2,9psi	2720mm/107,09"
IGBP1750	1750	1 bar/14,5psi	0,2bar/2,9psi	2800mm/110,24"
IGBP1800	1800	1 bar/14,5psi	0,2bar/2,9psi	2880mm/113,39"
IGBP1900	1900	1 bar/14,5psi	0,2bar/2,9psi	3040mm/119,69"
IGBP2000	2000	1 bar/14,5psi	0,2bar/2,9psi	3200mm/125,98"
IGBP2100	2100	1 bar/14,5psi	0,2bar/2,9psi	3360mm/132,28"
IGBP2200	2200	1 bar/14,5psi	0,2bar/2,9psi	3520mm/138,58"
IGBP2500	2500	1 bar/14,5psi	0,2bar/2,9psi	4000mm/157,48"
IGBP2750	2750	1 bar/14,5psi	0,2bar/2,9psi	4400mm/173,23"
IGBP3000	3000	1 bar/14,5psi	0,2bar/2,9psi	4800mm/188,98"

*Other sizes and custom pressure ratings available upon request.



INFLATABLE GAS BALLOON PLUGS (0,3 BAR / 4,35 PSI)

Product Code	Nominal Size (mm)	Max. Working (Inflating) Pressure (bar/psi)	Back Pressure (bar/psi)	Product Length (mm/inch)
IGBP250	250	1bar/14,5psi	0,3bar/4,35psi	500mm/19,69"
IGBP300	300	1bar/14,5psi	0,3bar/4,35psi	600mm/23,62"
IGBP350	350	1bar/14,5psi	0,3bar/4,35psi	700mm/27,56"
IGBP400	400	1bar/14,5psi	0,3bar/4,35psi	800mm/31,5"
IGBP450	450	1bar/14,5psi	0,3bar/4,35psi	900mm/35,43"
IGBP500	500	1bar/14,5psi	0,3bar/4,35psi	1000mm/39,37"
IGBP550	550	1bar/14,5psi	0,3bar/4,35psi	1100mm/43,31"
IGBP600	600	1bar/14,5psi	0,3bar/4,35psi	1200mm/47,24"
IGBP650	650	1bar/14,5psi	0,3bar/4,35psi	1300mm/51,18"
IGBP700	700	1bar/14,5psi	0,3bar/4,35psi	1400mm/55,12"
IGBP750	750	1bar/14,5psi	0,3bar/4,35psi	1500mm/59,06"
IGBP800	800	1bar/14,5psi	0,3bar/4,35psi	1600mm/62,99"
IGBP850	850	1bar/14,5psi	0,3bar/4,35psi	1700mm/66,93"
IGBP900	900	1bar/14,5psi	0,3bar/4,35psi	1800mm/70,87"
IGBP1000	1000	1bar/14,5psi	0,3bar/4,35psi	2000mm/78,74"
IGBP1100	1100	1bar/14,5psi	0,3bar/4,35psi	2200mm/86,61"
IGBP1150	1150	1bar/14,5psi	0,3bar/4,35psi	2300mm/90,55"
IGBP1200	1200	1bar/14,5psi	0,3bar/4,35psi	2400mm/94,49"
IGBP1250	1250	1bar/14,5psi	0,3bar/4,35psi	2500mm/98,43"
IGBP1300	1300	1bar/14,5psi	0,3bar/4,35psi	2600mm/102,36"
IGBP1350	1350	1bar/14,5psi	0,3bar/4,35psi	2700mm/106,3"
IGBP1400	1400	1bar/14,5psi	0,3bar/4,35psi	2800mm/110,24"
IGBP1450	1450	1bar/14,5psi	0,3bar/4,35psi	2900mm/114,17"
IGBP1500	1500	1bar/14,5psi	0,3bar/4,35psi	3000mm/118,11"
IGBP1550	1550	1bar/14,5psi	0,3bar/4,35psi	3100mm/122,05"
IGBP1600	1600	1bar/14,5psi	0,3bar/4,35psi	3200mm/125,98"
IGBP1650	1650	1bar/14,5psi	0,3bar/4,35psi	3300mm/129,92"
IGBP1700	1700	1bar/14,5psi	0,3bar/4,35psi	3400mm/133,86"
IGBP1750	1750	1bar/14,5psi	0,3bar/4,35psi	3500mm/137,8"
IGBP1800	1800	1bar/14,5psi	0,3bar/4,35psi	3600mm/141,73"
IGBP1900	1900	1bar/14,5psi	0,3bar/4,35psi	3800mm/149,61"
IGBP2000	2000	1bar/14,5psi	0,3bar/4,35psi	4000mm/157,48"
IGBP2100	2100	1bar/14,5psi	0,3bar/4,35psi	4200mm/165,35"
IGBP2200	2200	1bar/14,5psi	0,3bar/4,35psi	4400mm/173,23"
IGBP2500	2500	1bar/14,5psi	0,3bar/4,35psi	5000mm/196,85"
IGBP2750	2750	1bar/14,5psi	0,3bar/4,35psi	5500mm/216,54"
IGBP3000	3000	1bar/14,5psi	0,3bar/4,35psi	6000mm/236,22"

INFLATABLE GAS BALLOON PLUGS (0,5 BAR / 7,25 PSI)

Product Code	Nominal Size (mm)	Max. Working (Inflating) Pressure (bar/psi)	Back Pressure (bar/psi)	Product Length (mm/inch)
IGBP250	250	1,5bar/21,75psi	0,5bar/7,25psi	500mm/19,69"
IGBP300	300	1,5bar/21,75psi	0,5bar/7,25psi	600mm/23,62"
IGBP350	350	1,5bar/21,75psi	0,5bar/7,25psi	700mm/27,56"
IGBP400	400	1,5bar/21,75psi	0,5bar/7,25psi	800mm/31,5"
IGBP450	450	1,5bar/21,75psi	0,5bar/7,25psi	900mm/35,43"
IGBP500	500	1,5bar/21,75psi	0,5bar/7,25psi	1000mm/39,37"
IGBP550	550	1,5bar/21,75psi	0,5bar/7,25psi	1100mm/43,31"
IGBP600	600	1,5bar/21,75psi	0,5bar/7,25psi	1200mm/47,24"
IGBP650	650	1,5bar/21,75psi	0,5bar/7,25psi	1300mm/51,18"
IGBP700	700	1,5bar/21,75psi	0,5bar/7,25psi	1400mm/55,12"
IGBP750	750	1,5bar/21,75psi	0,5bar/7,25psi	1500mm/59,06"
IGBP800	800	1,5bar/21,75psi	0,5bar/7,25psi	1600mm/62,99"
IGBP850	850	1,5bar/21,75psi	0,5bar/7,25psi	1700mm/66,93"
IGBP900	900	1,5bar/21,75psi	0,5bar/7,25psi	1800mm/70,87"
IGBP1000	1000	1,5bar/21,75psi	0,5bar/7,25psi	2000mm/78,74"
IGBP1100	1100	1,5bar/21,75psi	0,5bar/7,25psi	2200mm/86,61"
IGBP1150	1150	1,5bar/21,75psi	0,5bar/7,25psi	2300mm/90,55"
IGBP1200	1200	1,5bar/21,75psi	0,5bar/7,25psi	2400mm/94,49"
IGBP1250	1250	1,5bar/21,75psi	0,5bar/7,25psi	2500mm/98,43"
IGBP1300	1300	1,5bar/21,75psi	0,5bar/7,25psi	2600mm/102,36"
IGBP1350	1350	1,5bar/21,75psi	0,5bar/7,25psi	2700mm/106,3"
IGBP1400	1400	1,5bar/21,75psi	0,5bar/7,25psi	2800mm/110,24"
IGBP1450	1450	1,5bar/21,75psi	0,5bar/7,25psi	2900mm/114,17"
IGBP1500	1500	1,5bar/21,75psi	0,5bar/7,25psi	3000mm/118,11"
IGBP1550	1550	1,5bar/21,75psi	0,5bar/7,25psi	3100mm/122,05"
IGBP1600	1600	1,5bar/21,75psi	0,5bar/7,25psi	3200mm/125,98"
IGBP1650	1650	1,5bar/21,75psi	0,5bar/7,25psi	3300mm/129,92"
IGBP1700	1700	1,5bar/21,75psi	0,5bar/7,25psi	3400mm/133,86"
IGBP1750	1750	1,5bar/21,75psi	0,5bar/7,25psi	3500mm/137,8"
IGBP1800	1800	1,5bar/21,75psi	0,5bar/7,25psi	3600mm/141,73"
IGBP1900	1900	1,5bar/21,75psi	0,5bar/7,25psi	3800mm/149,61"
IGBP2000	2000	1,5bar/21,75psi	0,5bar/7,25psi	4000mm/157,48"
IGBP2100	2100	1,5bar/21,75psi	0,5bar/7,25psi	4200mm/165,35"
IGBP2200	2200	1,5bar/21,75psi	0,5bar/7,25psi	4400mm/173,23"
IGBP2500	2500	1,5bar/21,75psi	0,5bar/7,25psi	5000mm/196,85"
IGBP2750	2750	1,5bar/21,75psi	0,5bar/7,25psi	5500mm/216,54"
IGBP3000	3000	1,5bar/21,75psi	0,5bar/7,25psi	6000mm/236,22"