

Technical Data Sheet to S + B Push-type -gas-blocking bladder

Städtler + Beck GmbH
Prüf- und Absperrentechnik
Alter Postweg 1
D-67346 Speyer
Telefon: 0 62 32.31 89 – 0
Fax: 0 6232.31 89 – 20
Internet: www.subgas.de
E-Mail: info@subgas.de

Technical Description:

The shut off plugs. are only suitable to block off pipelines.

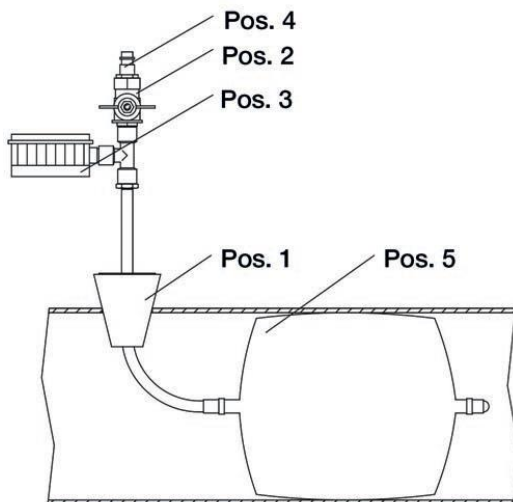


Attention! Do not stay in front of an inflated gas bag.



Technical Datas:

Overview



Pos. 1	Plug
Pos. 2	Ball valve
Pos. 3	Pressure gauge
Pos. 4	Connector
Pos. 5	Bladder

ZN 0180-Z02

Push-type -gas-blocking bladder, with permanently anti-static cover which can be used for natural gas by an working temperature from 3°to 70°C , mounted on a 1 m long flexible PA-hose with an internal steel spiral as guide- and filler rod. Mounted with rubber plug. Output: T-piece with ball valve/air coupling type26 and a pressure manometer with protective cap and a marker for the working pressure (marked min and max flow limits, working scale on the secon dthird oft he scale), high quality, multiple -seams for maximum stability and safety; produced with DVGW-certified (DVGW-certificate DG4520BS0461) fabric cover and internal bladder made of high elastic rubber.

Build up of the Bladder (pos. 5)

1. Rubber bag
2. Cover

Material overview:

Rubber bag		
ASTM – code	material	preformance
NR	natural rubber	excellent elasticity and mechanical properties (tensile strength, elongation, abrasion resistance)
CR	chloropren - rubber	excellent elasticity and mechanical properties (tensile strength, elongation, abrasion resistance) Good resistance to oil, heat, kerosene, ozone and weather

cover		
code	material	preformance
NBR	Perbunan	good fuel and oil resistance Temperature range from - 40 to 100 ° C
MD	Medium pressure	Can be used in gas pipelines for pressures of 0.8 bar - 0.04
HD	High pressure	Can be used with gas for pressures of 0,06 – 1,1 bar
Kanal	Sewage (blue)	Can be used in gas pipelines high abrasion resistance

optional extension		
code	material	preformance
FFH	Fire resistant cover	Use against flying sparks Temperature resistant up to 260 °
	Sealed seams	Sealing the seams with bubble design CR Prevents the penetration of liquids

Example: Build up of an bladder for use in oil, kerosene

- Rubber bag = CR
- Cover = NBR
- Sealed seams

This structure of the bladder ensures the best possible conditions for a resistance against oil, gasoline, kerosene.

Pressure table:

Type 120 Push-type -gas-blocking bladder with MD - cover			
DN	max. working pressure [bar]	max. back pressure [bar]	drilling Ø [mm]
40	2,30	0,70	35
50	2,30	0,70	35
60	2,20	0,70	35
80	2,10	0,70	40
100	2,00	0,60	40
110	2,00	0,60	40
125	1,80	0,60	40
150	1,50	0,50	40
160	1,50	0,50	40
175	1,30	0,50	40
200	1,20	0,40	50
210	1,20	0,40	50
225	1,10	0,35	50
250	1,00	0,33	50
260	1,00	0,33	65
300	0,80	0,26	65
310	0,80	0,26	80
350	0,60	0,20	80
400	0,50	0,16	80
450	0,45	0,15	80
500	0,40	0,13	80
550	0,35	0,11	100
600	0,33	0,11	100
650	0,30	0,10	125
700	0,30	0,10	125
750	0,26	0,10	125
800	0,26	0,10	125
900	0,22	0,10	155
1000	0,20	0,06	155
1100	0,18	0,06	155
1200	0,16	0,06	155
1300	0,14	0,05	155
1400	0,13	0,05	155
1500	0,12	0,04	155
1600	0,11	0,04	155