



VARI-PLUG

Inflatable pipe stoppers

Maintaining - Repairing - Testing



DESCRIPTION

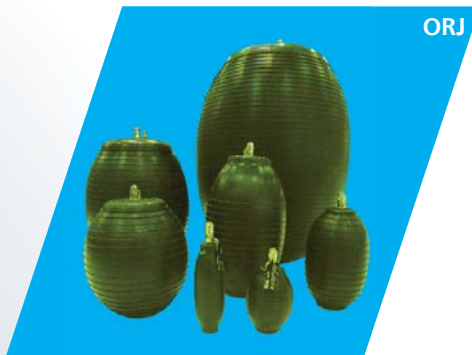
The **VARI-PLUG** range has been developed for servicing sewage pipe, water, hydrocarbons and chemical distribution pipe.

Designed to intervene on **every kind of pipes** and **vulcanized under vacuum**, PRONAL stoppers offers a resistance up to **3 bar back pressure** without bracing. The range comes either as **a simple inflatable plug** or **with a by-pass system** to carry out air or/and water test.

They offer several advantages:

- Resistance to back-pressure **up to 3 bar**
- Designed to be compatible with various type or substances: water, mineral oil, waste water, chemical agents...
- **Long life expectancy** due to rubber thickness
- Minimum safety factor of 3
- No bracing required, improve operators' safety
- High **abrasion resistance & good watertightness**
- **Easy introduction:** adapted weight and shapes

Aware of the market requirements, PRONAL is holding **stock in the most common sealing range**. For any specific requirements, PRONAL is able to offer **be-spoke products**.



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DIMENSIONS

	REF	EXTERNAL DIAMETER MM	MINI SEALING DIAMETER MM	MAXI SEALING DIAMETER MM	LENGTH MM	WEIGHT KG	MAXI INFLATING PRESSURE IN TUBE BAR	BY PASS	
								MM	"
ORL : without by pass	50/70	45	50	70	250	0,5	3		
	70/100	65	70	100	200	0,5	3		
	100/200	92	95	200	350	0,9	3		
	150/300	145	150	310	510	2,5	3		
	200/300	185	195	310	380	2,5	3		
	300/500	280	295	510	570	5,5	3		
	500/800	485	495	810	1010	17	3		
	840/1200*	835	840	1200	1490	57	3		
ORIT : with by pass	100/200	92	95	200	350	1,5	3	20	1/2"
	150/300	145	150	310	510	5	3	20	1/2"
	200/300	185	195	310	380	5	3	40	1"1/2
	300/500	280	295	510	570	8,5	3	40	1"1/2
	500/800	485	495	810	1010	19	3	40	1"1/2
	840/1200*	835	840	1200	1490	69	3	65	1"1/2
MPS	100/150	92	100	150	190	1,5	4		
	130/170	130	130	170	190	1,8	4		
	150/200	142	150	200	190	2	4		

* Insertion Ø of 600 mm



BACK-PRESSURE RESISTANCE (bar)

	REF	PIPE DIAMETER (MM)																				
		50	60	70	80	90	100	130	150	170	200	250	310	400	510	600	700	810	900	1000	1200	
ORL/ORIT inflation 3 bars	50/70	2,1	2																			
	70/100			2,3	2,3	1,9																
	100/200						1,8		1,6	1,5												
	150/300								2,3	2,1	1,8	1,8										
	200/300									2,1	1,9	1,4										
	300/500											2,3	2	1,1								
	500/800														2,3	2,3	1,9	1,9				
	840/1200																		2,2	2,1	1,3	
MPS inflation 4 bars	100/150						2,9		1,5													
	130/170							3		2,5												
	150/200								2,9	1,4												

Tests performed in dry and smooth metallic pipes.



EQUIPEMENTS



DOUBLE AIR BY PASS

Only for air tests.
Adaptable from model 200/300.



SEMI-RIGID CONNECTION AND ROD

Easier set up in junction boxes.



INFLATION LINE 10 M

- Pressure gauge (0to6 bar)
- 1/4" turn tap
- Adjustable connections for compressor

PRONAL stoppers can also be equipped with Guillemin ou Storz coupling.

Always concerned with the improvement of the quality of its products, Pronal reserves the right to modify specifications without prior notices / Non-contract pictures

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PRONAL
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