



VARI-PLUG

Inflatable pipe stoppers

Maintaining - Repairing - Testing



DESCRIPTION

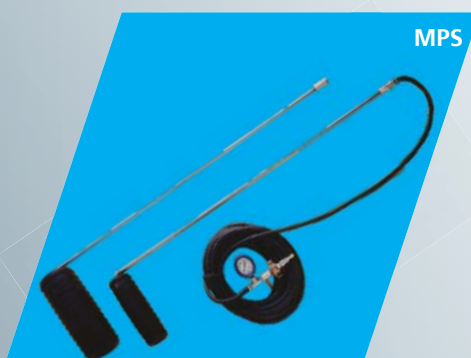
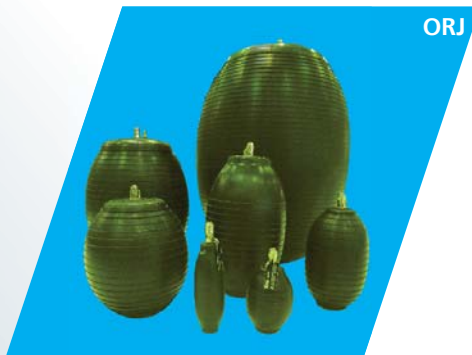
The **VARI-PLUG** range has been developed for servicing sewage pipe, water, hydrocarbons and chemical distribution pipe.

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

PRONAL
Elastomer Engineering

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