

➤ PNEUMATIC PIPE PLUGS OV & OVT



Thanks to a strong 50 years experience, PRONAL is a French company worldwide recognized as a « leader » in the design, production and installation of flexible structures made from elastomer and/or plastomer.

Nowadays our pipe stoppers are used in the most exigent fields of activities from municipal water ground works infrastructures to nuclear or offshore and ensure to our partner:

- *High quality level equipments.*
- *On stock equipments & customer care services.*
- *Strong technical expertise to achieve all your projects.*

I. INTRODUCTION

PRONAL pneumatic pipe plugs OV & OVT are effective tools for the quick and reliable sealing or closing of drainage systems, pipelines, sewers and gullies. They are mainly used during repair and maintenance work, accidents and for the leak test with water or air according to DIN EN 1610 of new or save sewers and pipe sections. Therefore they are highly valued in the water system organizations, construction industry, civil engineering and rescue and fire brigades.

II. MANUFACTURING PROCESS

The pipe stoppers are made of quality rubber reinforced with fabric. They withstand weather, temperature from - 30 °C to 80 °C, use and waste water and they are middle resistant of chemicals. The basic series consists of 26 standard types in sizes to fit 50 to 1600 mm pipe diameters. All pipe stoppers are tested by 1, 3 multiple of operating pressure and they withstand a back pressure 1 bar or 0,5 bar. There is a short operating instruction on every pipe stopper

III. VERSIONS

- Pneumatic pipe plugs without bypass (OV).
- Pneumatic pipe plugs with bypass (OVT)

IV. APPLICATIONS

- Water test, air test, smoke test.
- Leak detection.
- Pipe plugging.
- Effluents deviation.

V. TECHNICAL SPECIFICATIONS

VI.

Technical specifications for OV pipe plugs **without** bypass

| TYPE | OV | 4/7 | 5/10 | 7/15 | 10/20 | 15/30 | 20/40 | 20/50 | 30/60 | 50/100 | 60/120 | 100/160 |
|--------------------|-----|-----|--------|--------|---------|---------|---------|---------|---------|----------|----------|-----------|
| Size | mm | 40- | 50-100 | 70-150 | 100-200 | 150-300 | 200-400 | 200-500 | 300-600 | 500-1000 | 600-1200 | 1000-1600 |
| Inflation pressure | bar | 2,5 | 2,5 | 2,5 | 2,5 | 2,5 | 2,5 | 2,5 | 2,5 | 2,5 | 1,5 | 1 |
| Testing pressure | bar | 3,3 | 3,3 | 3,3 | 3,3 | 3,3 | 3,3 | 3,3 | 3,3 | 3,3 | 2,0 | 1,3 |
| Back pressure | bar | 1,0 | 1,0 | 1,0 | 1,0 | 1,0 | 1,0 | 1,0 | 1,0 | 1,0 | 0,5 | 0,5 |
| Deflated diameter | mm | 38 | 47 | 67 | 96 | 135 | 190 | 190 | 290 | 450 | 560 | 850 |
| Cylinder length | mm | 160 | 340 | 330 | 510 | 550 | 580 | 740 | 730 | 1050 | 1290 | 2000 |
| Total length | mm | 210 | 390 | 380 | 570 | 610 | 640 | 800 | 790 | 1130 | 1360 | 2070 |
| Weight | kg | 0,3 | 0,5 | 0,6 | 1,5 | 2,5 | 3,9 | 4,5 | 7,6 | 22 | 35 | 99 |

Technical specifications for OVT pipe plugs **with** bypass

| TYPE | OVT | 7/15 | 10/20 | 15/30 | 20/40 | 20/50 | 30/60 | 50/100 | 60/120 | 100/160 |
|--------------------|-----|--------|---------|---------|---------|---------|---------|----------|----------|-----------|
| Size | mm | 70-150 | 100-200 | 150-300 | 200-400 | 200-500 | 300-600 | 500-1000 | 600-1200 | 1000-1600 |
| Inflation pressure | bar | 2,5 | 2,5 | 2,5 | 2,5 | 2,5 | 2,5 | 2,5 | 1,5 | 1 |
| Testing pressure | bar | 3,3 | 3,3 | 3,3 | 3,3 | 3,3 | 3,3 | 3,3 | 2,0 | 1,3 |
| Back pressure | bar | 1,0 | 1,0 | 1,0 | 1,0 | 1,0 | 1,0 | 1,0 | 0,5 | 0,5 |
| Deflated diameter | mm | 67 | 96 | 135 | 190 | 190 | 290 | 450 | 560 | 850 |
| Cylinder length | mm | 330 | 510 | 550 | 580 | 740 | 730 | 1050 | 1290 | 2000 |
| Total length | mm | 440 | 570 | 640 | 670 | 830 | 820 | 1140 | 1380 | 2090 |
| Weight | kg | 1,6 | 2,4 | 4 | 6,6 | 7 | 13 | 39 | 59 | 110 |
| Bypass | kg | 1" | 1" | 1" | 2" | 2" | 2" | 2x2" | 2x2" | 2x2" |

Back pressure allowed

| DIAMETRE DE LA CANALISATION EN mm | | | | | | | | | | | | | | | | | |
|-----------------------------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| TYPE | 40 | 50 | 70 | 75 | 100 | 150 | 200 | 250 | 300 | 400 | 500 | 600 | 800 | 1000 | 1200 | 1400 | 1600 |
| 7/15 | | | | 2,0 | 1,5 | 1,2 | | | | | | | | | | | |
| 10/20 | | | | | 2,2 | 1,8 | 1,4 | | | | | | | | | | |
| 15/30 | | | | | | 2,4 | 2,1 | 1,5 | 1,3 | | | | | | | | |
| 20/40 | | | | | | | 2,3 | 2,1 | 1,9 | 1,5 | | | | | | | |
| 20/50 | | | | | | | | | 2,2 | 1,9 | 1,6 | 1,3 | | | | | |
| 30/60 | | | | | | | | | 1,0 | 0,8 | 0,7 | 0,6 | | | | | |
| 50/100 | | | | | | | | | | | 1,6 | 1,5 | 1,2 | 1,0 | | | |
| 60/120 | | | | | | | | | | | | 0,9 | 0,7 | 0,6 | 0,5 | | |
| 100/160 | | | | | | | | | | | | | | 0,8 | 0,7 | 0,6 | 0,5 |

VII. ACCESSORIES

Hand pump

- ✓ Gauge for hand pump
- ✓ pump leather
- ✓ hose assembly
- ✓ thumb lock
- ✓ check Valve
- ✓ At least 5 foot extension hose, and deflator with clamp and inflator clamp.

