



Inflatable Packers Model 7262-RT-LP /MP /HP Series

APPLICATIONS

- **Pressure grouting in fractured or unconsolidated formations**
- **Water infusion for dust control in coal mines**
- **Methane gas control and collection in mines**
- **Water sampling**
- **Permeability testing**
- **Water testing in rock formations**
- **Hydraulic fracturing of formations**
- **Sealing elements in soil or rock boreholes**
- **Quality control testing of tubes**



Description

The Roctest Model 7252-RT-LP/MP/HP Series of inflatable packers are versatile and tough units. They consist of an inflatable gland, fitted with swaged steel collars, mounted on a stainless steel centre tube.

They can be inflated with a variety of fluids such as water, air, nitrogen, etc., to provide a tight seal in holes or casings. The gland flexibility and the range of pressures assure a tight fit against irregular rugged walls. The same size packer will fit a wide range of hole diameters. Single and double units are available.

Construction

The gland element consists of a rubber membrane reinforced with extensible steel fabric, and covered with an additional layer of abrasion resistant rubber. Threaded swaged collars terminate both ends of the gland. The collars are used to thread the gland onto packer heads which are mounted on the centre tube.

One of the heads is fixed and contains the inflation port. The other head is free to move, allowing the highly reinforced gland to retract about the centre tube as it inflates. A NPT pipe thread terminates the top end of the centre tube. An assembly is available for use with wireline equipment.

Types of Packers

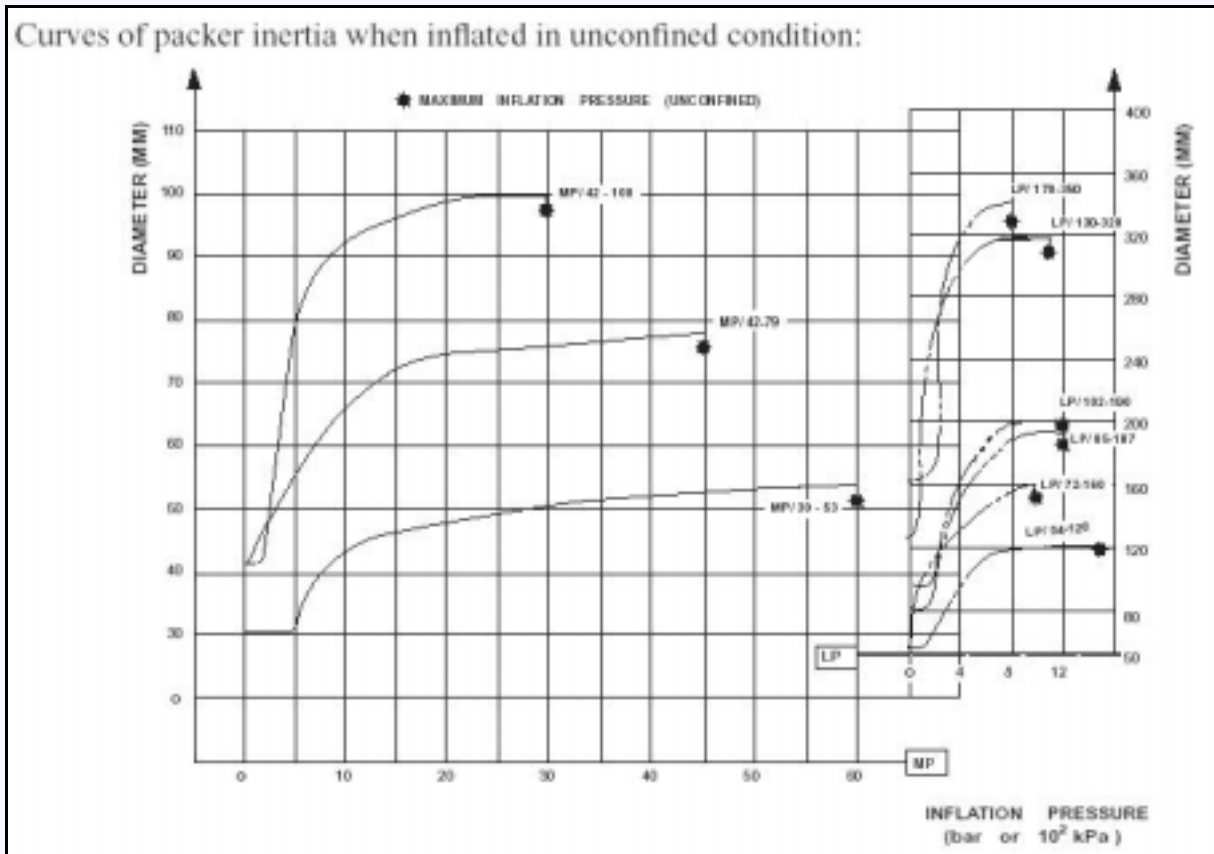
The series include membranes that can be inflated under low (LP), medium (MP) or high (HP) pressure. The model numbers (e.g. 30-53) refer to the deflated and fully inflated diameters in millimetres.

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Specifications

| Model Number | Max O.D. (Deflated) | | Centre Tube I.D. | | Centre Tube Connection (NPT) | Standard Lengths (mm) | | |
|--------------|---------------------|------|------------------|------|------------------------------|-----------------------|------|------|
| | mm | in. | mm | in. | | | | |
| MP / 30-53 | 30 | 1.18 | 6 | 0.24 | 1/4" | 500 | 1000 | 1500 |
| HP / 40-52 | 40 | 1.90 | 14 | 0.55 | 1/2" | 500 | 1000 | 1500 |
| HP / 40-60 | 40 | 1.90 | 14 | 0.55 | 1/2" | 500 | 1000 | 1500 |
| MP / 42-79 | 42 | 1.65 | 14 | 0.55 | 1/2" | 500 | 1000 | 1500 |
| MP 42-100 | 42 | 1.65 | 14 | 0.55 | 1/2" | 500 | 1000 | 1500 |
| LP / 54-120 | 54 | 2.13 | 26 | 1.02 | 1" | 500 | 1000 | 1500 |
| LP / 63-107 | 63 | 2.48 | 26 | 1.02 | 1" | 500 | 1000 | 1500 |
| LP / 72-160 | 72 | 2.83 | 40 | 1.57 | 1 1/4" | 500 | 1000 | 1500 |
| LP / 85-187 | 85 | 3.35 | 40 | 1.57 | 1 1/4" | 500 | 1000 | 1500 |
| LP / 130-320 | 130 | 5.12 | 81 | 3.18 | 3" | 1000 | | |
| LP / 170-350 | 170 | 6.69 | 81 | 3.18 | 3" | 1000 | | |

Curves of packer inertia when inflated in unconfined condition:



Due to on-going design improvements and reviews, we reserve the right to amend product and specifications without prior notice



FOR FURTHER INFORMATION

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