



HIGHLY FLEXIBLE  
SIMPLE OR DOUBLE PACKER  
FROM 30 MM TO 170 MM

Tough, versatile, adapted to a wide range of hole diameters, the packers are highly flexible and can be inflated with different fluids.

### Description

The **LP** and **MP** series of inflatable packers consist of an inflatable gland, fitted with swaged steel collars, mounted on a stainless steel center 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.

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 center 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 center tube as it inflates. A NPT pipe thread terminates the top end of the center tube. An assembly is available for use with wireline equipment.

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

### Key Features

- Rubber membrane reinforced
- Abrasive resistant rubber
- Extensible Steel fabric
- NPT pipe

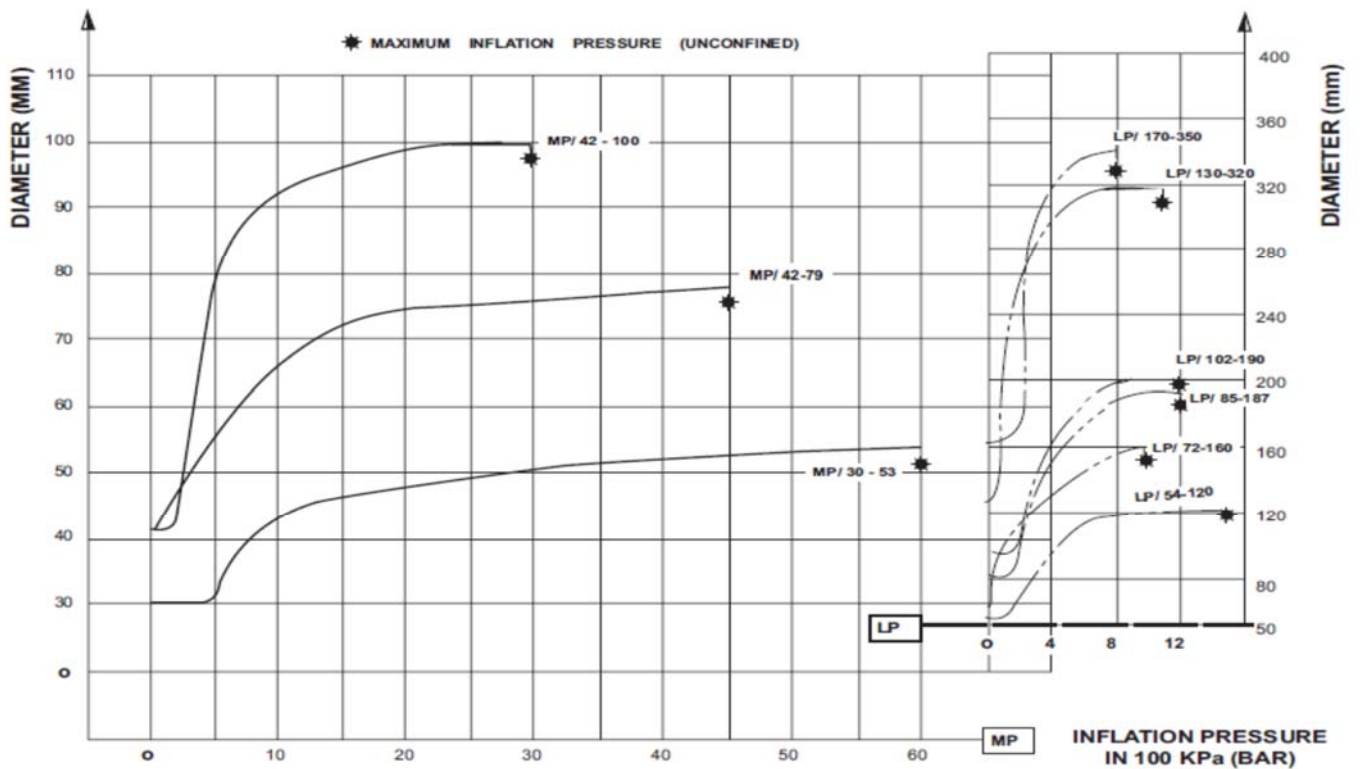
### Applications

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

### Specifications

#### TYPES AND DIMENSIONS

MODEL	Max OD (deflated)	Center tube ID	Center tube connection	Standard lengths	
MP/30-53	30 mm	10 mm	3/8"	500 mm	1000 mm
MP/42-79	42 mm	17 mm	1/2"	500 mm	1000 mm
MP/42-100	42 mm	17 mm	1/2"	500 mm	1000 mm
LP/54-120	54 mm	26 mm	1"	500 mm	1000 mm
LP/72-160	72 mm	40 mm	1 1/4"	500 mm	1000 mm
LP/85-187	85 mm	40 mm	1 1/4"	500 mm	1000 mm
LP/102-190	102 mm	53 mm	2"	500 mm	1000 mm
LP/130-320	130 mm	81 mm	3"	—	1000 mm
LP/170-350	170 mm	81 mm	3"	—	1000 mm



TYPE	DIAMETER																			
	35 (1 3/8)	40 (1 37/64)	45 (1 25/32)	50 (1 31/32)	60 (2 23/64)	70 (2 3/4)	80 (3 9/64)	100 (3 15/16)	120 (4 23/32)	140 (5 1/2)	160 (6 19/64)	180 (7 3/32)	200 (7 7/8)	220 (8 21/32)	240 (9 7/16)	260 (10 15/64)	280 (11 1/32)	300 (11 13/16)	320 (12 19/32)	340 (13 3/8)
MP/30-53	110	90	70	55																
MP/42-79			130	110	70	60														
MP/42-100			130	105	65	50	30													
LP/54-120					130	90	65	30												
LP/72-160							80	50	30	20										
LP/85-187								100	70	40	30									
LP/102-190									95	75	55	45								
LP/130-320										75	55	45	35	25	20	15				
LP/170-350												60	50	40	35	30	25	20	15	15

Diameter in millimeters (inches)

Pressure in 100 kPa

**WORKING PRESSURE (CONFINED), IN 100 KPa (BAR), VERSUS BOREHOLE DIAMETER, IN MILLIMETERS**

### Ordering information

Please specify:

- Model
- Gland length
- Single or straddle configuration
- Straddle zone length