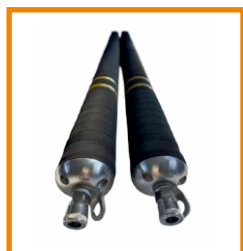




## REPAIR PACKERS & PLUGS

### Repair Packers

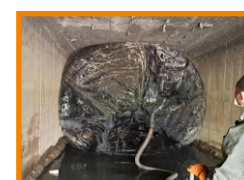
| Long Lateral Packers Without Bypass (Cirled Head Type)   | Repair Packers with Bypass (Flat Head Type) | Repair Packers with Bypass (Flat Head Type) |
|----------------------------------------------------------|---------------------------------------------|---------------------------------------------|
| DN50-100 lengths 1 / 1.5 / 2 / 3 meters, without wheels  | RP 70-150 with wheels                       | RPBP 100-200 with wheels                    |
| DN70-160 lengths 1 / 1.5 / 2 / 3 meters, without wheels  | RP 100-200 with wheels                      | RPBP 150-250 with wheels                    |
| DN100-200 lengths 1 / 1.5 / 2 / 3 meters, without wheels | RP 150-250 with wheels                      | RPBP 200-300 with wheels                    |
| DN150-250 lengths 1 / 1.5 / 2 / 3 meters, without wheels | RP 200-300 with wheels                      | RPBP 300-400 with wheels                    |
| DN200-300 lengths 1 / 1.5 / 2 / 3 meters, without wheels | RP 300-400 with wheels                      | RPBP 400-500 with wheels                    |
| DN300-400 lengths 1 / 1.5 / 2 / 3 meters, without wheels | RP 300-500 with wheels                      | RPBP 300-500 with wheels                    |
| DN400-500 lengths 1 / 1.5 / 2 / 3 meters, without wheels | RP 400-500 with wheels                      | RPBP 400-600 with wheels                    |
|                                                          | RP 400-600 with wheels                      | RPBP 600-800 with wheels                    |
|                                                          | RP 600-800 with wheels                      | RPBP 800-1000 with wheels                   |
|                                                          | RP 800-1000 with wheels                     | RPBP-T 800-1200 with wheels                 |
|                                                          | RP 800-1200 with wheels                     | RPBP 800-1200 with wheels                   |
|                                                          | RP 800-1400 with wheels                     | RPBP 800-1400 with wheels                   |
|                                                          | RP 1000-1500 with wheels                    | RPBP 1000-1500 with wheels                  |



### Single Size Pipe Plugs

The high-pressure single-size pipe plugs are made of imported rubber as a sealing material and high-tensile fibers interwoven using biomimicry (silk cocoon). It has high-pressure resistance, anti-aging, anti-impact, and high safety factor.

1. Small foldable size, convenient to operate.
2. Sealing water heights from 1 to 30 meters.
3. Suitable for pipelines with diameters ranging from DN300mm to 6000mm.



## Multi Size Pipe Plugs without Bypass

| Product                                                               | Description                                                                                                                                                     | Net weight(kg) |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| MS 50-100                                                             | Max. Inflating (Working) Pressure [bar]: 3.0<br>Max. Back (Sliding) Pressure [bar]: 2.0<br>Product Diameter [mm]: 47.0<br>Total Length of Product [mm]: 330.0   | 0.5            |
| MS 70-150                                                             | Max. Inflating (Working) Pressure [bar]: 3.0<br>Max. Back (Sliding) Pressure [bar]: 2.0<br>Product Diameter [mm]: 67.0<br>Total Length of Product [mm]: 375.0   | 0.9            |
| MS 100-200                                                            | Max. Inflating (Working) Pressure [bar]: 2.0<br>Max. Back (Sliding) Pressure [bar]: 1.0<br>Product Diameter [mm]: 95.0<br>Total Length of Product [mm]: 460.0   | 1.5            |
| MS 150-300                                                            | Max. Inflating (Working) Pressure [bar]: 2.0<br>Max. Back (Sliding) Pressure [bar]: 1.0<br>Product Diameter [mm]: 135.0<br>Total Length of Product [mm]: 550.0  | 2.5            |
| MS 200-400                                                            | Max. Inflating (Working) Pressure [bar]: 2.0<br>Max. Back (Sliding) Pressure [bar]: 1.0<br>Product Diameter [mm]: 182.0<br>Total Length of Product [mm]: 610.0  | 4.5            |
| MS 200-500                                                            | Max. Inflating (Working) Pressure [bar]: 2.0<br>Max. Back (Sliding) Pressure [bar]: 1.0<br>Product Diameter [mm]: 185.0<br>Total Length of Product [mm]: 750.0  | 5              |
| MS 300-600                                                            | Max. Inflating (Working) Pressure [bar]: 1.5<br>Max. Back (Sliding) Pressure [bar]: 0.5<br>Product Diameter [mm]: 283.0<br>Total Length of Product [mm]: 770.0  | 13             |
| MS 400-800                                                            | Max. Inflating (Working) Pressure [bar]: 1.5<br>Max. Back (Sliding) Pressure [bar]: 0.5<br>Product Diameter [mm]: 365.0<br>Total Length of Product [mm]: 900.0  | 20             |
| MS 500-1000                                                           | Max. Inflating (Working) Pressure [bar]: 1.5<br>Max. Back (Sliding) Pressure [bar]: 0.5<br>Product Diameter [mm]: 460.0<br>Total Length of Product [mm]: 1050.0 | 29             |
| MS 600-1200                                                           | Max. Inflating (Working) Pressure [bar]: 1.2<br>Max. Back (Sliding) Pressure [bar]: 0.2<br>Product Diameter [mm]: 550.0<br>Total Length of Product [mm]: 1460.0 | 45             |
| MS 800-1500                                                           | Max. Inflating (Working) Pressure [bar]: 1.2<br>Max. Back (Sliding) Pressure [bar]: 0.2<br>Product Diameter [mm]: 620.0<br>Total Length of Product [mm]: 2000.0 | 59             |
| Each plug Included Accessories: Pressure gauge and 10-meter air hose. |                                                                                                                                                                 |                |



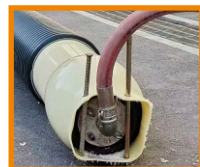
## Multi Size Bypass Plugs

| Product                                                               | Description                                                                                                                                                     | Net weight(kg) |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| MSBP 200-300                                                          | Max. Inflating (Working) Pressure [bar]: 2.0<br>Max. Back (Sliding) Pressure [bar]: 1.0<br>Product Diameter [mm]: 182.0<br>Total Length of Product [mm]: 610.0  | 9              |
| MSBP 300-500                                                          | Max. Inflating (Working) Pressure [bar]: 2.0<br>Max. Back (Sliding) Pressure [bar]: 1.0<br>Product Diameter [mm]: 283.0<br>Total Length of Product [mm]: 770.0  | 18             |
| MSBP 400-700                                                          | Max. Inflating (Working) Pressure [bar]: 2.0<br>Max. Back (Sliding) Pressure [bar]: 1.0<br>Product Diameter [mm]: 365.0<br>Total Length of Product [mm]: 900.0  | 28             |
| MSBP 500-800                                                          | Max. Inflating (Working) Pressure [bar]: 1.5<br>Max. Back (Sliding) Pressure [bar]: 0.5<br>Product Diameter [mm]: 460.0<br>Total Length of Product [mm]: 1050.0 | 34             |
| MSBP 600-1000                                                         | Max. Inflating (Working) Pressure [bar]: 1.5<br>Max. Back (Sliding) Pressure [bar]: 0.5<br>Product Diameter [mm]: 550.0<br>Total Length of Product [mm]: 1460.0 | 58             |
| Each plug Included Accessories: Pressure gauge and 10-meter air hose. |                                                                                                                                                                 |                |

## Multi Size Pipe Plugs Protective Rubber Sleeve

| Product     | Description         |
|-------------|---------------------|
| MS 100-200  | 100-200mm/4-8in.    |
| MS 150-300  | 150-300mm/6-12in.   |
| MS 200-400  | 200-400mm/8-16in.   |
| MS 200-500  | 200-500mm/8-20in.   |
| MS 300-600  | 300-600mm/12-24in.  |
| MS 400-800  | 400-800mm/16-32in.  |
| MS 500-1000 | 500-1000mm/20-40in. |
| MS 600-1200 | 600-1200mm/12-48in. |
| MS 800-1500 | 800-1500mm/16-60in. |

## FIPP Steam Plug



| Pipe diameter /mm                     | Working Pressure ≤BAR | Total Length /mm | Net weight(kg) |
|---------------------------------------|-----------------------|------------------|----------------|
| 70mm-90mm                             | 2                     | 470mm            | 2              |
| 80m-100mm                             | 2                     | 470mm            | 3              |
| 100mm-200mm                           | 1.5                   | 560mm            | 3.8            |
| 200mm-300mm                           | 1.5                   | 560mm            | 6.5            |
| 250mm-400mm                           | 1.5                   | 560mm            | 10             |
| 300mm-450mm                           | 1.5                   | 560mm            | 14             |
| 375mm-550mm                           | 1.5                   | 610mm            | 18             |
| 450mm-620mm                           | 1.5                   | 610mm            | 25             |
| 600mm-800mm                           | 1.5                   | 800mm            | 45             |
| 800mm-1000mm                          | 1.5                   | 800mm            | 56             |
| 1000mm-1200mm                         | 1.5                   | 900mm            | 85             |
| Maximum operating temperature: 150 °C |                       |                  |                |

## Pipe Testing Plugs

| Product                                                      | Description                                                         | Net weight(kg) |
|--------------------------------------------------------------|---------------------------------------------------------------------|----------------|
| TP-DN150                                                     | 100mm/4in.<br>Working pressure 4 bars;<br>Back pressure: 3 bars.    | 4.3            |
| TP-DN200                                                     | 160mm/6.3in.<br>Working pressure 4 bars;<br>Back pressure: 3 bars.  | 8              |
| TP-DN300                                                     | 230mm/9.2in.<br>Working pressure 4 bars;<br>Back pressure: 3 bars.  | 13             |
| TP-DN400                                                     | 340mm/13.4in.<br>Working pressure 4 bars;<br>Back pressure: 3 bars. | 17             |
| TP-DN500                                                     | 400mm/16in.<br>Working pressure 4 bars;<br>Back pressure: 3 bars.   | 23             |
| TP-DN600                                                     | 490mm/19.2in.<br>Working pressure 4 bars;<br>Back pressure: 3 bars. | 32             |
| TP-DN800                                                     | 600mm/24in.<br>Working pressure 4 bars;<br>Back pressure: 3 bars.   | 60             |
| TP-DN1000                                                    | 850mm/33in.<br>Working pressure 4 bars;<br>Back pressure: 3 bars.   | 70             |
| High-pressure testing plugs are available for customization. |                                                                     |                |

