

HYDRAULIC GRIP PUMP

2718-550

The Instron® 2718-550 hydraulic grip pump is designed for continuous 24/7 operation for both manual and automated testing systems in industrial environments.

It can be configured to provide a maximum pressure of 207 bar (3000 psi for use with wedge grips), or alternatively 138 bar (1900 psi) for use with side acting grips. The unit incorporates two analogue pressure gauges, that are easily visible to the operator from the front of the pump.

The 2718-550 pump is configured to operate with a two stage flow speed, with a higher flow rate up to 69 bar (1000 psi) to increase productivity. Once clamping the specimen the pressure will then increase to the full pressure at the slower flow rate.

PRINCIPLE OF OPERATION

The 2718-550 hydraulic grip pump is activated by a footswitch, while a handset provides close/open functionality of each grip independently. The gripping pressure is easily configured by an electrical adjustment knob located on the front of the pump.



FEATURES AND BENEFITS

- Dual Stage gripping pressure - improving operator safety and preventing specimen damage while reducing closing time
- Easy to use grip control handset
- Meets CE, CSA and UL requirements
- Long service life with minimal maintenance required
- Hose whip restraint system - to ensure operator safety in cases of hose failure
- Upper and Lower grips can be closed/opened independently
- 2 Wheels make maneuvering simple
- Quiet operation minimizes operator discomfort - Less than 65 dB at full pressure
- 3um Filter - Preventing damage to pump or grip components from dirt/debris
- Easily visible sight glass to check oil level and condition

SPECIFICATIONS

| | | |
|--|---|------------------------------|
| Maximum Gripping Pressure | 207 bar (3000 psi) for use with wedge grips | |
| | 138 bar (1900 psi) for use with side acting grips | |
| Flow Rate | 4.92 l/m (1.3 GPM) to 1000 psi | |
| | 0.98 l/m (0.26 GPM) to 3200 psi | |
| Pressure Readout (upper and lower grip) | 0 to 340 bar (0 to 5000 psi) | |
| Dimensions (W × D × H) | mm | 448 × 575 × 1156 |
| | in | 17.6 × 22.6 × 45.5 |
| Weight | kg | Shipping: 142 Operating: 108 |
| | lbs | Shipping: 314 Operating: 237 |
| Oil Capacity | L | 30 |
| | gal | 8 |
| Oil Type | Mineral or synthetic viscosity ISO grade 32 | |

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