

# COMPACT HYDRAULIC GRIP PUMP

2718-700



The Instron® 2718-700 Compact Hydraulic Grip Pump is designed for use with Instron's 30 kN, 50 kN, and 100 kN hydraulic wedge action grips. It can be configured to provide up to 207 bar (3000 psi) for use with hydraulic wedge grips. The unit incorporates two analogue pressure gauges that are easily visible to the operator from the front of the pump. It is not for use with hydraulic wedge grips over 100 kN, or with hydraulic side acting grips.

## PRINCIPLE OF OPERATION

The 2718-700 hydraulic grip pump is activated by a handset, which provides open/close functionality of each grip independently. Depending on your material testing system, the 2718-700 pump can run in either Stand-Alone or Integrated mode.

When configured in Stand-Alone mode, the gripping pressure is controlled by an adjustment knob located on the front of the pump. If configured with the optional Integrated mode, your grip's pressure settings are managed in Bluehill Universal testing software. Similar to the Smart-Close Air Kit, clamping pressure can be tailored to specific methods, reducing the time spent configuring the pump to the correct pressure. Simply open your method and start testing.

## FEATURES AND BENEFITS

- Compact and lightweight design allows the pump to be placed on or beneath the test bench, making it ideal for space-constrained labs
- Bluehill Universal control of hydraulic pressure with optional Integrated configuration for 3400 and 6800 Series systems
- Easy-to-use grip control handset
- Easily add test pressure to reports for simplified troubleshooting when results vary
- Meets CE requirements (UL and CSA available upon request)
- Long service life with minimal maintenance required
- New, smaller diameter hoses allow for more flexibility in pump placement

## SPECIFICATIONS

## 2718-700

Maximum Gripping Pressure	bar psi	207 3000
Flow Rate		1.05 L/min (0.28 GPM) @ 500 psi 0.21 L/min (0.06 GPM) @ 3000 psi
Pressure Readout (upper and lower grip)	bar psi	0 to 276 0 to 4000
Dimensions (W x D x H)	mm in	310 x 530 x 270 12 x 21 x 11
Weight		Operating: 42 lbs / 19.1 kg Shipping: 60 lbs / 27.2 kg
Oil Capacity	L gal	1.5 0.4
Oil Type		ISO Viscosity Grade 46 Mineral or Synthetic
Power Requirements		100-240 VAC (+/-10%), Single Phase at 47-63 Hz
Compatible With		2742-301, 2742-450, 2743-401 Hydraulic Wedge Action Grips



Small footprint means that the pump can be located on or under test bench



Easy-to-use grip control handset can be mounted to test system



Pump can be configured for either Stand-Alone or Integrated mode, depending on hardware configuration



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