

TECHNICAL DATA

Fluke 730 Series

Pneumatic/Hydraulic Test Pumps, Filters and Adapters



Features

- Portable design with 2-year warranty.
- Special surface treatment, scratch and corrosion resistance.
- Fast and steady pressure generation. Multi-stage boosting is used to speed up the process by 5 times.
- Precision shut-off valves to ensure pressure stabilization.
- M20×1.5 female thread quick connection fitting. Test connections can be made without the need for PTFE tape or wrenches.
- Reliable pump design that makes it easy to generate pressure with less time and effort.
- High-resolution fine pressure adjustments.

Pneumatic/Hydraulic Test Pumps

The New Fluke 730 series portable pressure hand pumps feature fast pressure generation, precise control and ease-of-use. These pumps are optimized for pressure stability and consistency during calibration. The high quality design helps to prevent common pressure problems such as plugging, leaking and laborious operation.

Coupled with the Fluke 730G Digital Pressure Calibrator, this complete pressure solution provides an efficient and accurate measurement and calibration of pressure gauges, switches, transmitters, making it ideal for metrology laboratories and industries to use them indoor or outdoor.



Fluke-730LTP/40K

- Pressure range -40 kPa to 40 kPa
- Ultra-fine precision adjustment to support low pressure calibration
- Special insulation to reduce the influence of external temperature environment



Fluke-730LTP/600K

- Pressure range -95kPa to 600kPa
- Pressure is generated by the combination of the pressure rod and screw for faster and smoother pressure increase and decrease
- Safely switch between pressure and vacuum



Fluke-730PTP/10M

- Pressure range -95 kPa to 10 MPa
- Multi-stage boost system design makes the process 5 times more efficient.
- Safety lock ensures safe switching between positive and negative pressure



Fluke-730HTP/70M

- Pressure range 0 kPa to 70 MPa
- The screw press design supports high pressure range with less effort.
- Fine pressure adjustment capability with shut-off valve for stable measurements.

Specifications

Model	FLK-730LTP/40K	FLK-730LTP/600K	FLK-730PTP/10M	FLK-730HTP/70M
Pressure range	-40 kPa to 40 kPa	-95 kPa to 600 kPa	-95 kPa to 10 MPa	0 kPa to 70 MPa
Fitting	M20 X 1.5	M20 X 1.5	M20 X 1.5	M20 X 1.5
Weight	2.3 kg	2.9 kg	5.5 kg	5.1 kg
Dimensions (L x W x H)	230 mm x 140 mm x 130 mm	298 mm x 173 mm x 150 mm	360 mm x 250 mm x 145 mm	384 mm x 198 mm x 175 mm
Reservoir volume	2.3 cm ³ (0.14 in ³)	2.7 cm ³ (0.167 in ³)	3.5cm ³ (0.214 in ³)	3.1 cm ³ (0.189 in ³)
Fine adjustment volume	0.7 cm ³ (0.043 in ³)	2.1 cm ³ (1.281 in ³)	2.1cm ³ (0.128 in ³)	2.1cm ³ (0.128 in ³)
Pre-pressure volume	42 cm ³ (2.563 in ³)	14 cm ³ (0.854 in ³)	49.5 cm ³ (3.021 in ³)	3.8 cm ³ (0.232 in ³)
Media	Air	Air	Air	Distilled water or mineral oil

Optional Adapters and Accessories

FLK-730PFK Pressure Fitting Kit

38 adapters to meet the requirements of various equipment connection					
M20 x 1.5 M to	1/2" NPT-M	1/2" ZG-M	1/2" G-M	M10 x 1 F	M10 x 1 M
	3/8" NPT-M	3/8" ZG-M	3/8" G-M	M12 x 1.5 F	M12 x 1.5 M
	1/4" NPT-M	1/4" ZG-M	1/4" G-M	M14 x 1.5 F	M14 x 1.5 M
	1/8" NPT-M	1/8" ZG-M	1/8" G-M	M16 x 1.5 F	M16 x 1.5 M
	1/8" NPT-F	1/8" ZG-F	1/8" G-F	M20 x 1.5 F	M20 x 1.5 M
	1/4" NPT-F	1/4" ZG-F	1/4" G-F	M20 x 1.5 F, 90°	Φ6 Hose Barb
	3/8" NPT-F	3/8" ZG-F	3/8" G-F		Φ8 Hose Barb
	1/2" NPT-F	1/2" ZG-F	1/2" G-F		Φ10 Hose Barb

FLK-730ILF and FLK-730GLSF Filters

FLK-730ILF liquid filters are mainly used in hydraulic (non-corrosive) calibration work to filter a small amount of impurities in the device under test.

FLK-730GLSF liquid-to-gas media separators filters are mainly used in hydraulic (non-corrosive) calibration work to separate and filter a small amount of impurities in the device under test.



FLK-730ILF



FLK-730GLSF

Model	FLK-730 ILF liquid filter	FLK-730GLSF liquid-to-gas separator
Pressure range	(0 to 70) MPa	(-0.1 to 25) MPa
Body material	Stainless steel 304	
Filtering fineness	0.05 mm	
External Dimensions	100 mm × φ42 mm	120 mm × φ50 mm
Weight	0.5 kg	0.6 kg
Fitting size	Source: M20×1.5 Male thread; Device: M20×1.5 Female thread	

Order information

FLUKE 730 series Test Pump

Included

- 20 qty of seals for M20 x 1.5 quick-connection
- 2 qty of M20 plug connectors to prevent contamination

Model	Description
FLK-730LTP/40K	LOW PRESSURE TEST PUMP. -40 TO 40 kPa, -5.8 TO 5.8 PSI
FLK-730LTP/600K	LOW PRESSURE TEST PUMP. -95 TO 600 kPa, -13.8 TO 87 PSI
FLK-730PTP/10M	PNEUMATIC TEST PUMP. -0.095 TO 10 MPa, -13.8 TO 1451 PSI
FLK-730HTP/70M	HYDRAULIC TEST PUMP. 0 TO 70 MPa, 0 TO 10153 PSI
FLK-730PFK	PRESSURE FITTING KIT
FLK-730GLSF	GAS AND LIQUID SEPARATION FILTER
FLK-730ILF	IN-LINE LIQUID FILTER

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up and running.®*

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