

Part No.

APOV-100PSIG-FL

Calibration kit, APOV pneumatic pump, 100 psi / 7 bar / 700 kPa FieldLab (0.1% of reading Accuracy)

Calibrate pressure instrumentation to 300 psi with air using the included pressure gauge.



APOV-100PSIG-FL

Included Items

- Hand Pump - APOV Pneumatic Pump (APOV)
- Gauge - FieldLab Pressure, 100 psi / 7 bar / 700 kPa, Male Quick-test bottom connection (FLP1-GJ-QM)
- Process Connection - 1/4" male NPT x male Quick-test, no check-valve, brass (QTHA-2MB0)
- Hose - Quick-test 6900 psi hose, brass hose ends, 3 ft (92 cm) long (QTQT-HOS-3ft)

Specs/Attributes

| | |
|---------------------------|---|
| Pressure Reference | Pressure FieldLab, 500 psi / 35 bar / 3.5 MPa |
| Process Connection | 1/4" Male NPT |
| Reference Connection | None |
| Country of origin | USA |
| Materials | Anodized Aluminum, Brass |
| Seal Materials | Buna-N, Delrin, Teflon |
| Max Pressure | 300 PSI / 20 bar / 2.00 MPa |
| Min Operating Temperature | 0 °F / -18 °C |
| Max Operating Temperature | 130 °F / 54 °C |
| Weight | 3.69 lbs / 1.67 kg |
| Dimensions | H: 8.1 in (20.57 cm) x W: 9 in (22.86 cm) x D: 3.5 in (8.89 cm) |

Hand Pump APOV

| | |
|---------------------------|-----------------------------|
| Max Pressure | 300 PSI / 20 bar / 2.00 MPa |
| Min Operating Temperature | 0 °F / -18 °C |
| Max Operating Temperature | 130 °F / 54 °C |

Hand Pump APOV

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|----------------------------|--|
| Pressure Media | Air |
| Fine Adjustment Resolution | 0.01 PSI / 0.07 mbar / 0.00 kPa |
| Country of origin | USA |
| Materials | Anodized Aluminum, Brass, Plated Steel |
| Media Compatibility | Air, Inert Gas, Natural Gas |
| Seal Materials | Buna-N, Delrin |
| Outlet Port | Male Quick-test, Male Quick-test with cap and chain |
| Weight | 1.60 lbs / 725 grams |
| Dimensions | H: 3.5 in (8.89 cm) x W: 3.8 in (9.65 cm) x D: 9.5 in (24.13 cm) |

Gauge FLP1-GJ-QM

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|---------------------------|--|
| Battery Count | 1 |
| Battery Life | 1000 Hours |
| Battery Type | Lithium Ion rechargeable, 4.8 Ah Capacity |
| Burst Pressure | 400 PSI / 28 bar / 2.80 MPa |
| Calibration Certificate | NIST traceable (included) |
| Certifications | Certified to CSA Standard C22.2 No. 61010-1, Conforms to UL / IEC / EN / AS Standard No. 61010-1, North America - Class 1 Division 1 Groups A-D, T4, (-10 < Ta < 50 °C), ATEX - Ex II 1 G Ex ia IIC T4 Ga (-10 < Ta < 50 °C), IECEx - Ex ia IIC T4 Ga (-10 < Ta < 50 °C), UN/DOT 38.3 (Lithium Batteries), Complies with Pressure Equipment Directive 2014/68/EU, Complies with Low Voltage Directive 2014/35/EU, Complies with Electromagnetic Compatibility Directive 2014/30/EU |
| Country Adapters | North America, Europe, United Kingdom, Australia, China |
| Country of origin | USA |
| Engineering Units | atm, bar, cmH2O @4°C, inH2O @39°C, kPa, MPa, mbar, psi, inHg @39°F, kgf / cm ² , mmHg @0°C, Torr, Pa, mmH2O @4°C, ftH2O @39°F, cmHg @ 0°C, oz / in ² |
| Harmonized Code | 9026.20.0000 |
| Ingress Protection | IP67 (1 meter water submersion for 30 minutes) |
| LCD Display | 3.5 in / 90mm Color TFT LCD Display |
| Materials | 316 Stainless Steel, Reinforced Polyamide |
| Max Operating Temperature | 120 °F / 50 °C |
| Max Pressure | 100 PSI / 7 bar / 700 kPa |
| Max Storage Temperature | 165 °F / 75 °C |
| Max Vacuum | 30 InHg / 101.6 kPa |
| Measurement Type | Gauge Pressure |
| Media Compatibility | Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water |
| Min Operating Temperature | 14 °F / -10 °C |
| Min Storage Temperature | -20 °F / -29 °C |
| Mounting Holes | 3 x M5 Inserts (10 mm deep) |
| Operating Altitude (max) | 10,000 ft (3050 m) |

Gauge FLP1-GJ-QM

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|----------------------------------|--|
| Power Input | 90-264 VAC, 50-60 Hz |
| Pressure Measurement Uncertainty | +/- 0.02% of Full Scale (0-20% of Full Scale), +/- 0.1% of Reading (20-100% of Full Scale) |
| Primary Power | Battery Power |
| Process Connection | Male Quick-test |
| Protection Class | Pollution Degree 2 (UL / IEC 61010-1) |
| Relative Humidity | 0% to 90% (-10 to 35 °C) , 0% to 70% (35 to 50 °C) |
| Seal Materials | Teflon, Viton |
| Sensor Type | High Precision MEMS |
| Temperature Compensation | 14 to 122 °F (-10 to 50 °C) |
| USB Connection | USB (Type B) |
| Wetted Materials | 316 Stainless Steel |
| Weight | 2.56 lbs / 1.16 kg |
| Dimensions | H: 9 in (22.86 cm) x W: 5 in (12.7 cm) x D: 2.5 in (6.35 cm) |

Process Connection QTHA-2MB0

| | |
|---------------------------|---|
| Burst Pressure | 20000 PSI / 1380 bar / 140 MPa |
| Country of origin | USA |
| Materials | Brass |
| Max Operating Temperature | 225 °F / 105 °C |
| Max Pressure | 5000 PSI / 350 bar / 35 MPa |
| Max Vacuum | 0.00 InHg / 0.0 kPa |
| Min Operating Temperature | 0 °F / -18 °C |
| Seal Materials | Buna-N |
| Wrench Size | 9/16 In 15 mm |
| Dimensions | H: 1.29 in (3.28 cm) x W: 0.56 in (1.42 cm) |

Hose QTQT-HOS-3ft

| | |
|---------------------------|---|
| Burst Pressure | 27000 PSI / 1860 bar / 185 MPa |
| Color | Silver |
| Country of origin | USA |
| Fluid Media | Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water |
| Inner Diameter | 0.08 In / 3.00 mm |
| Length | 3 ft / 92 cm |
| Materials | Brass |
| Max Operating Temperature | 140 °F / 60 °C |
| Max Pressure | 6900 PSI / 475 bar / 48 MPa |
| Max Vacuum | 0.00 InHg / 0.0 kPa |

Hose QTQT-HOS-3ft

| | |
|---------------------------|-------------------|
| Min Operating Temperature | -40 °F / -40 °C |
| Minimum Bend Radius | 1.00 In / 26 mm |
| Outer Diameter | 0.20 In / 6.00 mm |
| Type | QT |