

Part No.

# DP0V-KIT6-VF

DP0V pneumatic pump, 30 psi/210 kPa LC20 gauge, 3ft hose, 1/4" MNPT adapter

Pump and pressure gauge combination includes everything needed to perform accurate, precise low pressure calibrations



DP0V-KIT6-VF

## Included Items

- Pressure Reference - LC20 pressure gauge, -15 to 30 psi / -100 to 200 kPa, 1/4" Male NPT bottom connection (LC20-VF2M-00-00)
- Hand Pump - DP0V Pneumatic Hand Pump (DP0V)
- Reference Connection - 1/4" female NPT x female Quick-test, no check-valve, brass (QTHA-2FBA)
- 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

|                           |                                                                  |
|---------------------------|------------------------------------------------------------------|
| Materials                 | Anodized Aluminum, Brass, Stainless Steel                        |
| Min Operating Temperature | 0 °F / -18 °C                                                    |
| Country of origin         | USA                                                              |
| Pressure Reference        | Digital pressure gauge, 100 PSIG Pressure                        |
| Seal Materials            | Buna-N, Delrin, Teflon                                           |
| Max Vacuum                | 0.00 InHg / 0.0 kPa                                              |
| Process Connection        | 1/4" Male NPT                                                    |
| Max Operating Temperature | 130 °F / 54 °C                                                   |
| Reference Connection      | 1/4" Female NPT                                                  |
| Max Pressure              | 125 PSI / 8.6 bar / 860 kPa                                      |
| Weight                    | 2.15 lbs / 975 grams                                             |
| Dimensions                | H: 8 in (20.32 cm) x W: 7.93 in (20.14 cm) x D: 2.9 in (7.37 cm) |

## Pressure Reference LC20-VF2M-00-00

|               |            |
|---------------|------------|
| Battery Count | 2          |
| Battery Life  | 1000 Hours |

## Pressure Reference LC20-VF2M-00-00

|                             |                                                                                                                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery Type                | AA Alkaline (IEC-LR6)                                                                                                                                                                                                |
| Bluetooth Radio Installed   | No                                                                                                                                                                                                                   |
| Calibration Certificate     | ISO 17025:2017 Accredited                                                                                                                                                                                            |
| Certifications              | Certified to CSA Standard C22.2 No. 61010-1, 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 of origin           | USA                                                                                                                                                                                                                  |
| Datalogging                 | PC based (via USB)                                                                                                                                                                                                   |
| Electrical Rating           | 50 mA @ 5 VDC                                                                                                                                                                                                        |
| Harmonized Code             | 9026.20.0000                                                                                                                                                                                                         |
| Ingress Protection          | IP67 (1 meter water submersion for 30 minutes)                                                                                                                                                                       |
| LCD Display                 | 2.4 in / 61 mm segmented LCD Display                                                                                                                                                                                 |
| Materials                   | ABS / Polycarbonate Blend, Powder Coated Aluminum                                                                                                                                                                    |
| Max Operating Temperature   | 120 °F / 50 °C                                                                                                                                                                                                       |
| Min Operating Temperature   | -4 °F / -20 °C                                                                                                                                                                                                       |
| Panel Mount                 | No                                                                                                                                                                                                                   |
| Primary Power               | Battery Power                                                                                                                                                                                                        |
| Process Connection Location | Bottom mount                                                                                                                                                                                                         |
| Protection Class            | Pollution Degree 2 (UL / IEC 61010-1)                                                                                                                                                                                |
| Temperature Compensation    | None                                                                                                                                                                                                                 |
| USB Connection              | USB (Micro B)                                                                                                                                                                                                        |
| W1 Radio Installed          | No                                                                                                                                                                                                                   |
| Wetted Materials            | 316 Stainless Steel                                                                                                                                                                                                  |
| Wireless                    | None                                                                                                                                                                                                                 |
| Connector End 1             | 1/4" Male NPT (ASME B1.20.1)                                                                                                                                                                                         |
| Weight                      | 12.6 oz / 355 grams                                                                                                                                                                                                  |
| Dimensions                  | H: 1.75 in (4.45 cm) x W: 3.4 in (8.64 cm) x D: 4.1 in (10.41 cm)                                                                                                                                                    |

## Hand Pump DP0V

|                           |                                                     |
|---------------------------|-----------------------------------------------------|
| Max Pressure              | 125 PSI / 8.6 bar / 860 kPa                         |
| Min Operating Temperature | 0 °F / -18 °C                                       |
| Max Operating Temperature | 130 °F / 54 °C                                      |
| Burst Pressure            | 1000 PSI / 70 bar / 7.00 MPa                        |
| Media Compatibility       | Air, Inert Gas, Natural Gas                         |
| Outlet Port               | Male Quick-test, Male Quick-test with cap and chain |

## Hand Pump DP0V

|                            |                                                                |
|----------------------------|----------------------------------------------------------------|
| Fine Adjustment Resolution | 0.01 psi / 70 Pa                                               |
| Country of origin          | USA                                                            |
| Harmonized Code            | 8414.20.0000                                                   |
| Materials                  | Anodized Aluminum, Brass                                       |
| Seal Materials             | Buna-N, Delrin                                                 |
| Piston Displacement        | 1.25 Cu In                                                     |
| Weight                     | 1.60 lbs / 725 grams                                           |
| Dimensions                 | H: 2.9 in (7.37 cm) x W: 8 in (20.32 cm) x D: 3.4 in (8.64 cm) |

## Reference Connection QTHA-2FBA

|                           |                                                                    |
|---------------------------|--------------------------------------------------------------------|
| Country of origin         | USA                                                                |
| Has Check Valve           | No                                                                 |
| 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                                                |
| Wrench Size               | 3/4 In<br>19 mm                                                    |
| Connector End 1           | 1/4" Female NPT (ASME B1.20.1)                                     |
| Connector End 2           | Female Quick-test                                                  |
| Weight                    | 2.05 oz / 58 grams                                                 |
| Dimensions                | H: 1.52 in (3.86 cm) x W: 0.75 in (1.91 cm) x D: 0.75 in (1.91 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<br>15 mm               |
| Connector End 1           | 1/4" Male NPT (ASME B1.20.1)   |
| Connector End 2           | Male Quick-test                |
| Weight                    | 1.09 oz / 31 grams             |

## Process Connection QTHA-2MB0

|            |                                                                    |
|------------|--------------------------------------------------------------------|
| Dimensions | H: 1.29 in (3.28 cm) x W: 0.56 in (1.42 cm) x D: 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 |
| Hose Length               | 3ft / 0.91 m                                            |
| 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                | -30.00 InHg / -101.6 kPa                                |
| Media Compatibility       | Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water |
| 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                                                      |
| Weight                    | 2.68 oz / 76 grams                                      |