

Instrument Air Systems

ABOUT

The Powerex Instrument Air systems are NFPA 99 compliant and feature 250 psi lubricated compressors, HMI touch screen panel, dual desiccant dryers, air receiver, and a dew point monitor set to alarm at -22°F. Extra heavy duty compressor design, state of the art touch screen display, and ease of installation makes Powerex your choice for your instrument air needs.



SYSTEM FEATURES

- 250 psi lubricated air compressors
- HMI touch screen display
- Run time hour meter for each pump (on HMI)
- High air temperature shutdown with indication on the display (on HMI)
- Full voltage starter with overload protection
- Maintenance counter with alarm warning display (on HMI)
- System pressure display (on HMI)
- General compressor fault with remote contacts
- Automatic start/stop control with energy saving variable-pump-drive system
- Inlet filtration with replaceable elements
- Air-cooled aftercooler for each compressor
- Dual desiccant dryers
- Dew Point monitor set to alarm at -22°F

FRONT MOUNTED CONTROL PANEL

- HMI touch screen with digital display
- Programmable Logic Controller
- Power Distribution block
- Through door Motor Protector Circuit Breakers for all pumps
- Pressure Transducer
- Dual 120Vac control transformers with fused primary and secondary protection
- General Fault Dry contact to indicate: High Temperature condition or Motor Overload Trip
- Dry contacts to indicate High Dew Point
- Door mounted 95– dBA Audible indicator
- Dryer selector switch
- Fail safe features: back up low pressure switch, door mounted HOA switches, door mounted acknowledge/silence push button

| Model | HP | Phase | Voltage | SCFM @ 200 PSIG | Tank Size (gal) | Dimensions (L x W x H) (in) | Shipping Weight (lbs) |
|----------------------|---------|-------|-------------|-----------------|-----------------|-----------------------------|-----------------------|
| Duplex – Model IPD | | | | | | | |
| IPD0504 | 5 (2) | 3 | 208/230/460 | 15.5 | 120 | 66 X 65 X 79 | 1,850 |
| IPD0754 | 7.5 (2) | 3 | 208/230/460 | 19.6 | 120 | 66 x 65 x 79 | 1,940 |
| IPD1004 | 10 (2) | 3 | 208/230/460 | 29.0 | 120 | 79 x 65 x 80 | 2,540 |
| Triplex – Model IPT | | | | | | | |
| IPT0504 | 5 (3) | 3 | 208/230/460 | 31.0 | 120 | 79 x 97 x 81 | 2,610 |
| IPT0754 | 7.5 (3) | 3 | 208/230/460 | 39.2 | 120 | 79 x 97 x 81 | 2,900 |
| IPT1005 | 10 (3) | 3 | 208/230/460 | 58.0 | 200 | 79 x 97 x 85 | 3,842 |
| Quadplex – Model IPQ | | | | | | | |
| IPQ0504 | 5 (4) | 3 | 208/230/460 | 46.5 | 120 | 79 x 97 x 81 | 3,275 |
| IPQ0755 | 7.5 (4) | 3 | 208/230/460 | 58.8 | 200 | 79 x 97 x 85 | 3,680 |
| IPQ1006 | 10 (4) | 3 | 208/230/460 | 87.0 | 240 | 79 x 96 x 96 | 4,844 |

For more information, contact your local Powerex distributor or Powerex sales representative today!



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