FLOW RANGE MAX PRESSURE

0.6 - 25.0 GPM (3-95 LPM) 190 PSI (13 BAR)

SERIES: DPJ

DeltaPoint Jr®

Resistance welding tip loss monitor for steady flows



Description

Deltapoint Jr®, detects cap loss / hose burst / water off in resistance welding circuits, thus assures quality welds. Monitoring robotic cells, pedestal welders or multiple work cells via vortex flow sensor in the return line from the cell, shutting water off and sending alarm to robot controllers/ PLC/monitoring systems upon fault detection. With no moving parts (sensor), the unit is unaffected by dirty water and will eliminate nuisance tripping. Stand-Alone package reduces installed cost, operating cost minimal and no training required.

Features

- Stand-Alone package reduces installed cost, operation and training cost minimal
- Sensor has no moving parts to wear, break or cause nuisance tripping
- Visual flow indication
- Toggle switch to Restart, Weld and Bypass
- · Remote Shut-Off Standard
- Bypass Electrical & Mechanical Standard
- User Programmable: Flow Rate and Alarm Set Point
- Range: 6 GPM (23 LPM), 12 GPM (45 LPM)
- Optional: Minimal Maintenance Shutoff Valves Air operated, 2 million cycle
- Water/Glycol coolant up to 20% mix

Unit Specifications

Unit

- Pressure Drop: See Chart
- Differential Pressure limits: 5 80 PSID (0.3 5.5 Bar)
- Maximum Operation Pressure: 190 PSI (13 Bar)
- Fluid temperature limits: 35-210°F (2-99°C)
- Ambient temperature limits: 32 122 F (0 50C)
- Circuit Board Selectable: Alarm, Restart, Interrupt
- Weight: 11 Lbs (5 kg)
- Wetted material: Brass
- Electrical enclosure: Plastic
- · Porting: See Chart

Flow Meter

- · Accuracy: ± 2% Full Scale flow
- Repeatability: ± .25% of actual flow
- Response time flow: 1 second to 63% of flow change
- Material: PVDF (Kynar)
- LED visual water flow rate

Solenoid Valve

- · Style: Diaphragm, 2 -way, pilot operated, NC
- Cv: 8.4
- · Mechanical Bypass: Standard
- · Response time: 1-1.5 seconds to shut off water*
- Material: Brass
- Seal: NBR (Buna N)
 - * Length of hose run from unit to weld gun effects response time.

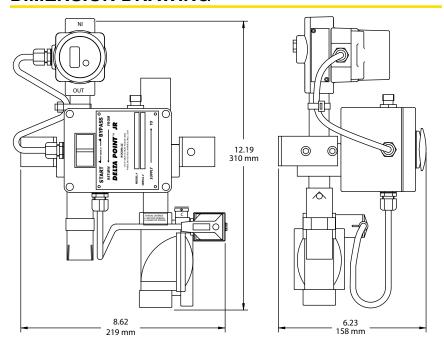
Check Valve

- · Style: Piston, O ring seal
- Material: Brass
- Seal: NBR (Buna N)

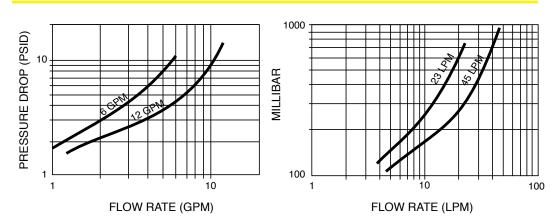
Electrical Specifications

- · Available in DC version
- Input Power: 10-30 VDC @ 80 mA
- Alarm Output: SPST Solid State Relay 92 mA

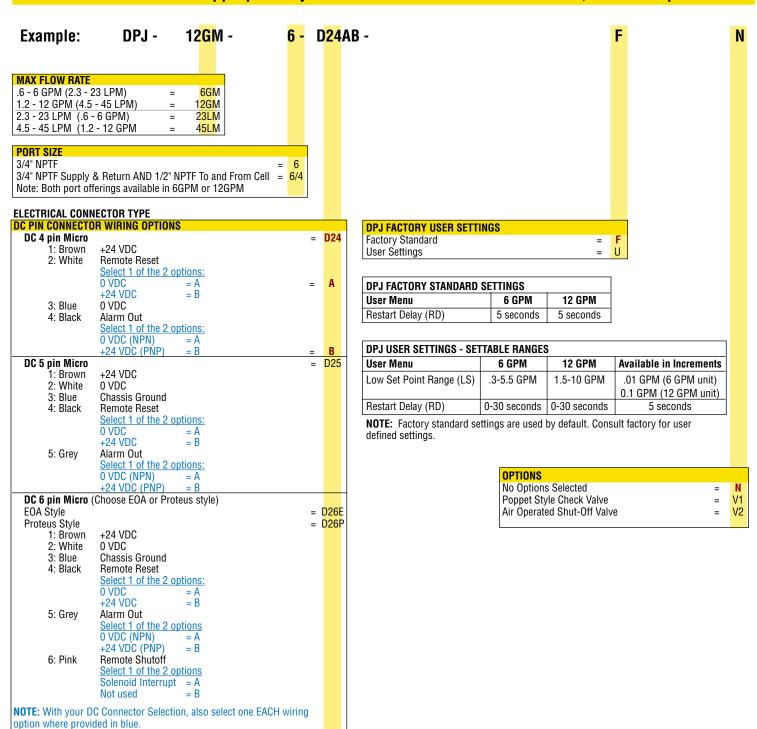
DIMENSION DRAWING



UNIT PRESSURE DROP CHART



HOW TO ORDER Select appropriate symbols and build a model code number, as in example shown:



ROCON LLC