

NPI45B30 581CC OVAL 8L/min 13.7MPa Rc3/8 Valve Position Indicator Datasheet



SKU: [820333234654](#)

Category: Process Sensors

Price: **\$2,571.43**

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Product Description

OVAL NPI45B30 581CC is a compact valve position indicator featuring an 8 L/min maximum flow capacity and a 13.7 MPa maximum operating pressure. The device utilizes a positive displacement mechanism with dual non-circular rotors to measure the volume of hydraulic oil delivered to valve actuators. Constructed with an FC250 cast iron body and a magnetic coupling, it integrates a 581CC transmitter assembly providing both potentiometer and microswitch outputs. The unit includes a slip friction clutch and a mechanical pointer for local status monitoring.

NPI45B30 581CC Specifications

Model: NPI45B30 581CC

Brand: OVAL

Category: Valve Position Indicator

Flow Range: 0.083 to 8 L/min

Maximum Operating Pressure: 13.7 MPa

Flow Accuracy: ± 0.3 % of reading

Indication Accuracy: 0 to +3 %

Operating Temperature: -10 to +80 °C

Body Material: FC250 Cast Iron

Connection Type: Rc 3/8 Screw

Output Signal: Potentiometer and 2 Microswitches

Applicable Fluid: Hydraulic Oil

Applicable Cylinder Volume: 0.05 to 10 L

Weight: 2.2 kg

Transmission Length: 1 km maximum

Enclosure: Non-explosionproof

NPI45B30 581CC Applications

Primary applications include integration into hydraulic control systems for oil tanker loading/off-loading valves and marine ballast systems. Deployed within offshore pipeline networks and engine room hydraulic circuits to provide precise remote and local valve status monitoring.

Supplemental Images

