

Identity and Pre-Work Controls

Bently Nevada 31000-28-10-00-165-01-02

This controlled field checklist applies only to the complete ordered housing mark. Verify the installed machine, probe, companion sensor and channel before disturbing the assembly.

Before Removing or Fitting the Housing

CONTROL	REQUIRED RECORD
Identification	Capture the complete ordering mark and probe label.
Machine condition	Place shaft and monitoring channel in the approved maintenance state.
Geometry	Record standoff, penetration and current probe gap.
Mounting	Confirm case thread and retained sleeve arrangement.
Signal chain	Record cable, connector, Proximitior and channel pairing.
Conduit	Record the installed fitting and plug arrangement.

Release hold point

Do not exchange housings solely by appearance. The A/B/C/D/E/F selections and the installed probe system must match the controlled engineering record.

Related Bently Nevada Products on Apter Power

Bently Nevada 31000-30-05-15-049-01-02

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Bently Nevada 31000-28-10-15-040-03-02

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Bently Nevada 31000-16-10-00-050-03-02

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Mechanical and Signal Checks

Controlled Installation Sequence

STAGE	ACCEPTANCE ACTION
Inspect	Check PPS body, metal sleeve, O-ring, probe and cable route.
Fit	Confirm the selected mounting thread and ordered fittings.
Position	Retain the ordered standoff and penetration selections.
Secure	Use the published retaining-nut torque at the intended joint.
Connect	Mate the specified probe cable and protected signal path.
Gap	Set the static probe gap using the matched transducer procedure.
Monitor	Check the channel response and record accepted values.

Installation Safety Boundaries

BOUNDARY	FIELD CHECK
Pressure	Never use the PPS body as a pressure-retaining enclosure.
Hazardous area	Verify the installed approval, barriers and drawings separately.
Casing	For radial vibration, confirm the case is affixed to the bearing.
Cable	Avoid strain, abrasion and moisture entry along the route.

Configuration hold point

Before closing the housing, compare the probe cable, standoff, penetration and fitting selections with the ordered assembly and the installed drawing.

Related Bently Nevada Products on Apter Power

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Bently Nevada 31000-16-05-00-070-03-02

[View Bently Nevada 31000-16-05-00-070-03-02 page](#)

Bently Nevada 32000-28-05-00-070-03-02

[View Bently Nevada 32000-28-05-00-070-03-02 page](#)

Release Evidence and Source

Release Decisions

DECISION	RETAINED EVIDENCE
Identity	Ordered A/B/C/D/E/F options agree with the installed mark.
Mechanical	Sleeve, seal, housing, fitting and thread condition accepted.
Signal	Probe, cable, Proximitor and monitor pairing accepted.
Performance	Static gap and observed channel output recorded.
Area	Approval and barrier requirements reviewed where applicable.

Manufacturer source

Bently Nevada 31000 and 32000 Proximity Probe Housing Assemblies Datasheet 141610 Rev. R. Housing facts and warnings are on pages 1-4; ordered configuration is decoded from pages 5-6.

Model-Specific Questions

QUESTION	ENGINEERING ANSWER
What comes with E01?	E01 specifies one 3/4-14 NPT fitting and two plugs.
Does this configuration need extra sleeve support?	Yes. The published rule requires support near the probe when C plus D exceeds 12 in.

Related Bently Nevada Products on Apter Power

Bently Nevada 32000-28-05-06-020-07-02

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Bently Nevada 32000-16-05-04-135-03-02

[View Bently Nevada 32000-16-05-04-135-03-02 page](#)

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