

# Nodal Analysis - Engineering Report

Generated: 2025-11-23 01:46:48

Query: Nodal Analysis Results

## I. Summary of Solution

### Nodal Analysis Summary

#### Operating Point:

Flowrate (Q): 315.79 m<sup>3</sup>/hr

Bottomhole Pressure (BHP): 167.07 bar

Pump Head: 268.4 m

#### Extracted Parameters:

Reservoir Pressure: 230.0 bar

PI: 5.0 m<sup>3</sup>/hr/bar

ESP Depth: 500.0 m

#### Full LLM Summary:

Analysis complete. Data points extracted and calculation performed.

## II. Operating Point

Operating Point	
Flowrate (m <sup>3</sup> /hr)	315.79
Bottomhole Pressure (bar)	167.07
Pump Head (m)	268.4

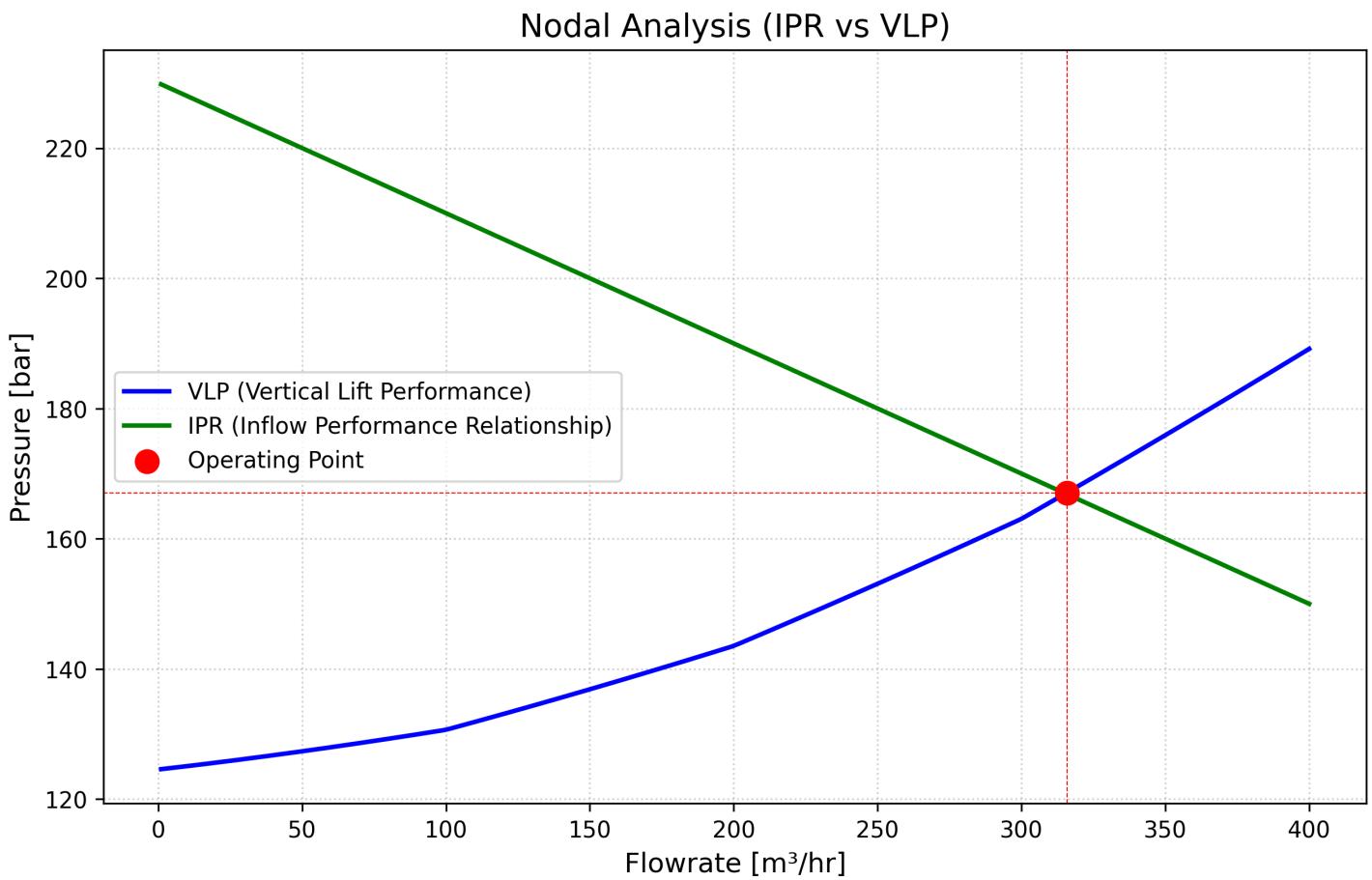
## III. Extracted Parameters

Extracted Parameters	
Reservoir Pressure (bar)	230.0
Wellhead Pressure (bar)	10.0
Productivity Index (m <sup>3</sup> /hr/bar)	5.0
ESP Depth (m)	500.0
Fluid Density (kg/m <sup>3</sup> )	-

Viscosity (cP)	-
Tubing Roughness (mm)	1e-05

## IV. Nodal Plot

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## V. Supporting Sources

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