

HYDRAULIC POWER GENERATOR

IHPG – Hydraulic Power Generator

REF **EFC-406** ISSUED 11 Jun 2026

SPECIFICATIONS

Size	DN50–DN200
Pressure	PN16–PN16
End connection	flanged (EN 1092-2)

APPROVALS & CERTIFICATIONS

- IP67
- ISO 9001

APPLICATIONS

- Remote telemetry
- SCADA power supply
- Pressure transmitters
- Flow metering
- Rural water mains

FEATURES

- The IHPG in-line hydraulic power generator is installed directly in the pipeline and converts flow energy into electrical power
- The generated DC output (adjustable 0.5–30V) powers remote telemetry units, pressure transmitters, flow meters and SCADA equipment at locations where mains power is unavailable or uneconomic to install
- Fully self-contained with IP67 protection

PRESSURE-TEMPERATURE RATING

CLASS	TEMPERATURE	MAX PRESSURE
PN10	-10°C	10 bar
PN16	-10°C	16 bar
PN25	-10°C	25 bar
PN10	80°C	10 bar
PN16	80°C	16 bar
PN25	80°C	25 bar

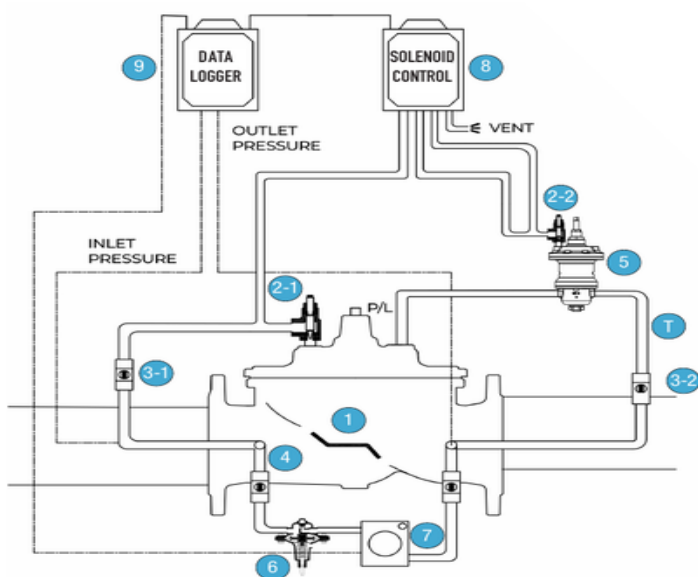


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P26G – PRESSURE MANAGEMENT VALVE WITH HYDRAULIC POWER GENERATOR



Part List

No	Parts Name	Material
1	Main Valve	GJS 500-7
2	Needle Valve	SUS304/316
3	Ball Valve	SUS304/316
4	Strainer	SUS304/316
5	Hydraulic Control Pilot	SUS304/316
6	Pressure differential guide valve	SUS304/316
7	Electric generator	Commercial
8	Data Logger	Commercial
9	Battery Pack	Commercial
T	Tube	SUS304/316

HYDRAULIC POWER GENERATOR - TECHNICAL DATA

Size Range	DN 25 mm Suitable for installations requiring a nominal diameter of 25 mm.
Pressure Rating	PN10: Suitable for applications with a maximum working pressure of 10 bar (145 psi). PN16: Suitable for applications with a maximum working pressure of 16 bar (232 psi). PN25: Suitable for applications with a maximum working pressure of 25 bar (363 psi). The hydraulic power generator is designed to withstand the specified pressure ratings without compromising performance or safety.
Maximum Temperature Range:	-10°C to 80°C The Hydraulic Power Generator is designed to operate within a temperature range of -10°C to 80°C (-14°F to 176°F). It is important to ensure that the hydraulic fluid temperature remains within this range for optimal performance and to prevent any potential damage to the generator. Please refer to the product manual and guidelines for detailed installation instructions, maintenance procedures, and safety precautions specific to the Hydraulic Power Generator model you are considering.

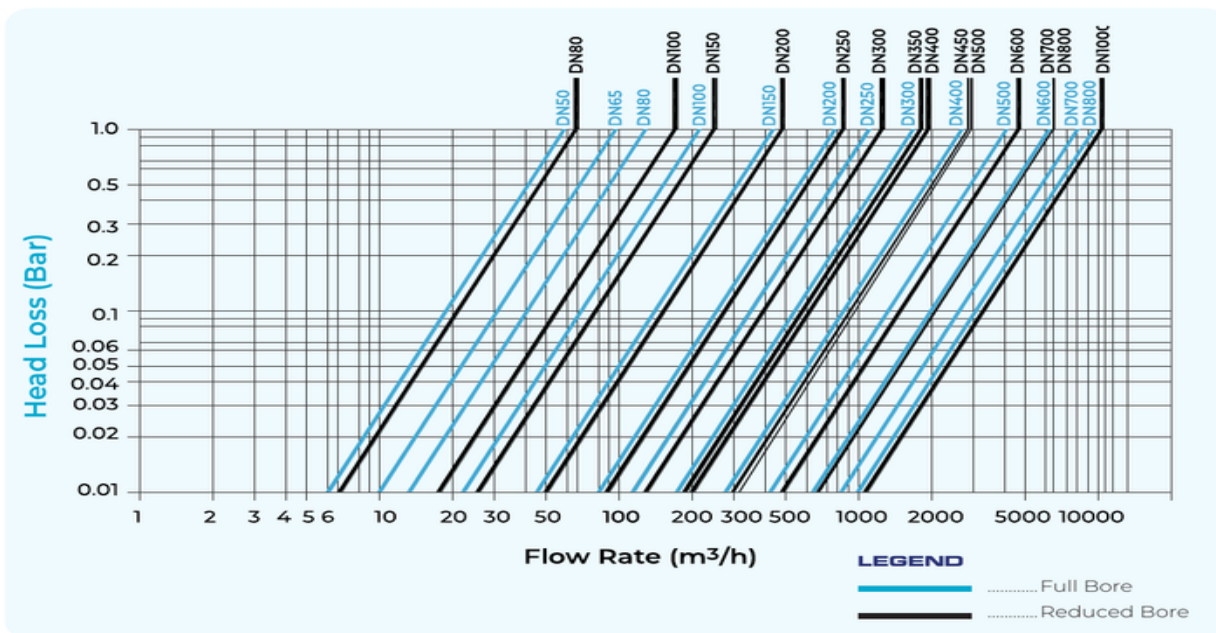
Disclaimer: The technical data and specifications provided are subject to change without prior notice as part of our continuous product improvement process. It is recommended to verify the latest information from our official documentation or contact our customer support for the most up-to-date details.

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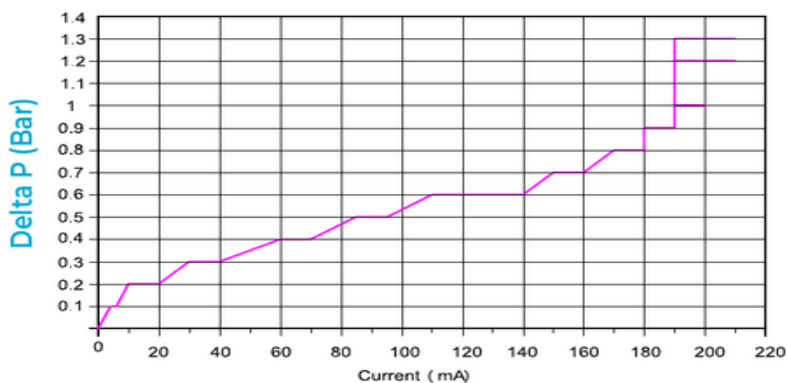
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P26G – PRESSURE MANAGEMENT VALVE WITH HYDRAULIC POWER GENERATOR



PRESSURE DIFFERENTIAL VS CURRENT



POWER TABLE

OUTPUT 12 VOLT	
Delta P (Bar)	Current (mA)
0.1	4~6
0.2	10~12
0.3	30~40
0.4	60~70
0.5	85~95
0.6	110~140
0.7	150~160
0.8	170~180
0.9	180~190
1	190~200
1.2	190~210
1.3	190~210

NOTE: The power table indicates the expected current output (in mA) for various differential pressures (delta P) when operating the Hydraulic Power Generator. Actual performance may vary depending on specific operating conditions.