

HYDRAULIC POWER GENERATOR

# MHPG – Hydraulic Power Generator

REF **EFC-407** ISSUED 11 Jun 2026

## SPECIFICATIONS

Size	<b>DN50–DN200</b>
Pressure	<b>PN16–PN16</b>
End connection	<b>flanged (EN 1092-2)</b>

## APPROVALS & CERTIFICATIONS

- IP67
- ISO 9001

## APPLICATIONS

- SCADA integration
- Data loggers
- Pipeline monitoring
- Smart water networks



## FEATURES

- The MHPG modular hydraulic power generator provides a configurable DC output for SCADA and telemetry integration
- The modular design allows output voltage and power conditioning to be matched to the connected equipment
- Suitable for data loggers, pressure and flow transmitters and radio telemetry units in remote pipeline locations

**PRESSURE-TEMPERATURE RATING**

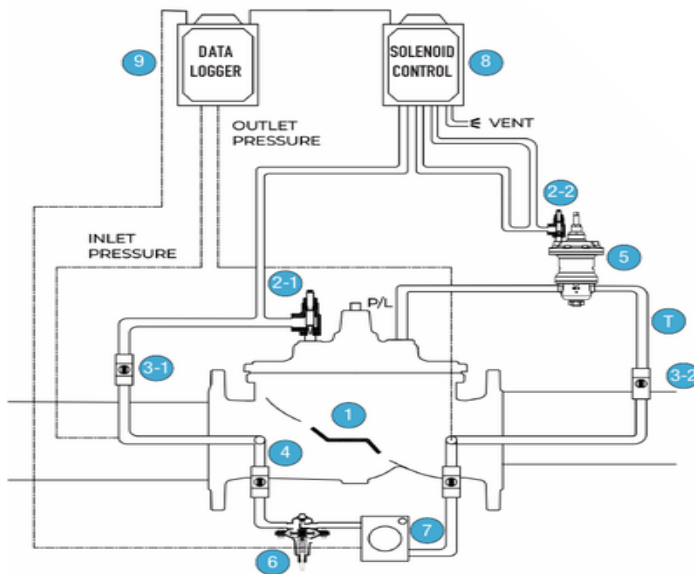
CLASS	TEMPERATURE	MAX PRESSURE
PN10	-10°C	10 bar
PN10	80°C	10 bar
PN16	-10°C	16 bar
PN16	80°C	16 bar
PN25	-10°C	25 bar
PN25	80°C	25 bar

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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

<b>Size Range</b>	<p><b>DN 25 mm</b> Suitable for installations requiring a nominal diameter of 25 mm.</p>
<b>Pressure Rating</b>	<p>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.</p>
<b>Maximum Temperature Range:</b>	<p><b>-10°C to 80°C</b>                      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.</p>

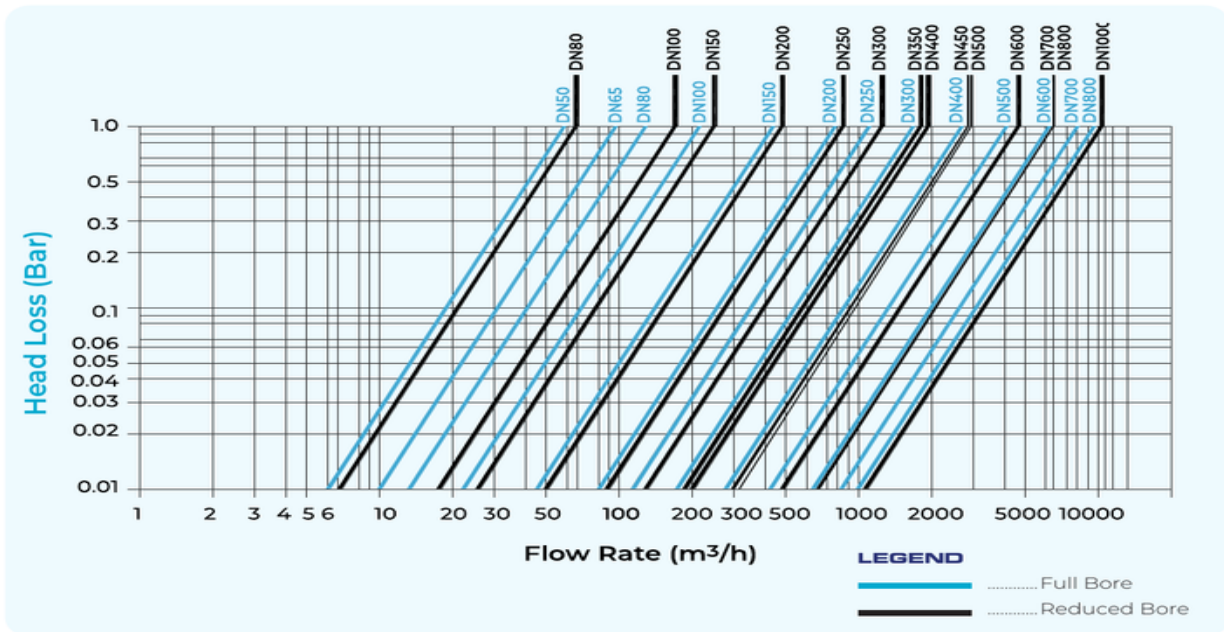
**Disclaimer:** The technical data and specifications provided are subject to change without prior notice as part of our continuous product improvement process. It is recommended to verify the latest information from our official documentation or contact our customer support for the most up-to-date details.

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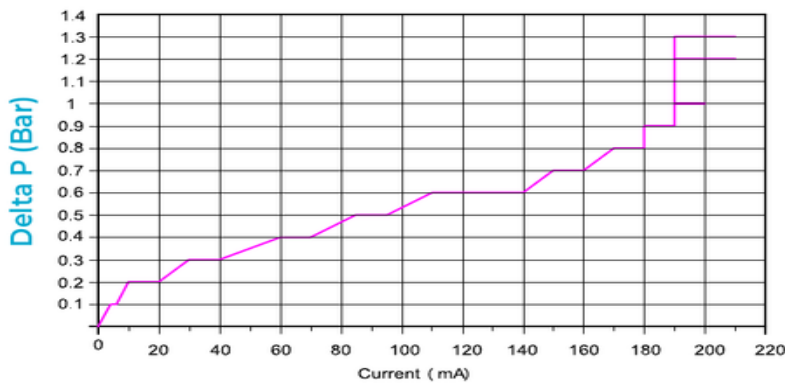
# MHPG – Hydraulic Power Generator

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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.