Gold Series

**Direct-Acting Relief Valve**

**GDR10**

25 GPM (100 L/min)
T-10A Cavity

Type
Relieves pressure when valve setting is exceeded.

Operation
This valve is normally closed. When pressure applied at port 1 rises to the valve setting, a poppet is lifted allowing limited flow to tank, port 2. Back pressure at port 2 increases the valve setting directly. Will not allow reverse flow.

Material
All steel construction. Precision ground & hardened parts. Buna-n seals are standard, viton available as an option.

Factory set at
4 gpm 15 L/min

Maximum Pressure
5,000 psi (350 bar)

Nominal Flow
25 gpm (100 L/min)

Maximum Leakage
10 drops/min @ reseat 0.7 cc/min @ reseat

Reseat pressure
>90% of setting

Response Time
2 ms (typical)

Fluid
General hydraulic fluid

Cavity
T-10A

Install Torque
30-35 LB-FT (45 – 50 Nm)

Options

<table>
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<tr>
<th>GDR10</th>
<th>30</th>
<th>N</th>
<th>xxxx</th>
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<tr>
<td>Basic cartridge</td>
<td>Adjustment Range</td>
<td>Seals</td>
<td>Factory Setting</td>
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<tr>
<td>30 - 500 - 3000 psi</td>
<td>N - Buna-n</td>
<td>xx-In psi</td>
<td>(ie 1000=1000 psi)</td>
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<td>(std. set 1000 psi)</td>
<td>V - Viton</td>
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<td>45 - 800 - 4500 psi</td>
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Typical Pressure Rise

![Typical Pressure Rise](image)

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