Gold Series

GDR16

Direct-Acting Relief Valve
100 GPM (400 L/min)
T-16A 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
100 gpm (400 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-16A

Install Torque
150-160 LB-FT (200 – 215 Nm)

Options

GDR16
Basic cartridge

30
Adjustment Range
30 - 500 - 3000 psi (std. set 1000 psi)
45 - 800 - 4500 psi (std. set 1000 psi)

N
Seals
N - Buna-n
V - Viton

xxxx
Factory Setting
xx-ln psi
(lie 1000=1000 psi)

Typical Pressure Rise

Typical Pressure Rise