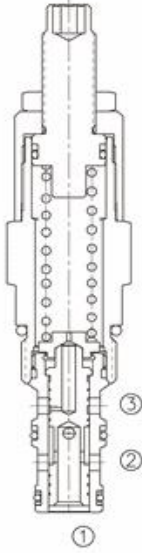


Direk Hareketli, Basınç Kısma / Boşaltma Valfi

LDPR-10



Direct-acting, Pressure Reducing/Relieving Valve

OPERATION

In its steady state, the valve allows flow to pass bi-directionally from ② to ①, with the spring chamber constantly drained at ③.

On attainment of a pre-determined pressure at ①, the cartridge shifts to restrict input flow at ②, thereby regulating pressure at ①. In this mode, the valve will also relieve ① to ③ at approximately 10 bar over the reducing setting.

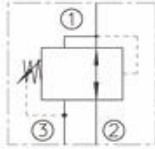
FEATURES

- Adjustments prohibit springs from going solid.
- Optional spring ranges to 155 bar.
- Hardened spool and cage for long life.
- Industry common cavity.

ÖZELLİKLER

- Kesintisiz düz harekette iken ayarlanabilir yay engellemeleri ile düzenlemeler yapılır
- 155 bara kadar seçmeli yay aralığı
- Uzun ömür için sertleştirilmiş sürgü ve kafes
- Endüstriyel standartlarda kavite

SYMBOL



SPECIFICATIONS

Operating Pressure : 207 bar

Flow : See Performance Chart

Internal Leakage ② to ③ :

82 cc/minute max. at ΔP 207 bar

Standard Spring Ranges :

5.5 to 27.6Bar, Preset=13.8Bar;

13.8 to 55.2Bar, Preset=27.6Bar;

20.7 to 103Bar, Preset=51.5Bar;

14.5 to 145Bar, Preset=72.5Bar;

Temperature : -30°F to +250°F (-35°C to +120°C)

Filtration : Critical Application-ISO 16/12.

Non-Critical Application-ISO 19/15

Fluids : Mineral-based fluids.

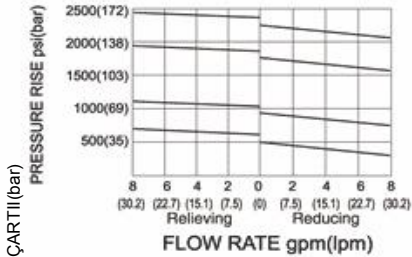
For other fluid compatibility consult factory.

Cavity : 10-3; See page 265

Body Material : Anodized 6061T6 aluminum alloy rated at 207 Bar.

PERFORMANCE CHART

150 ssu/32 cSt OIL @ 100°F / 38°C



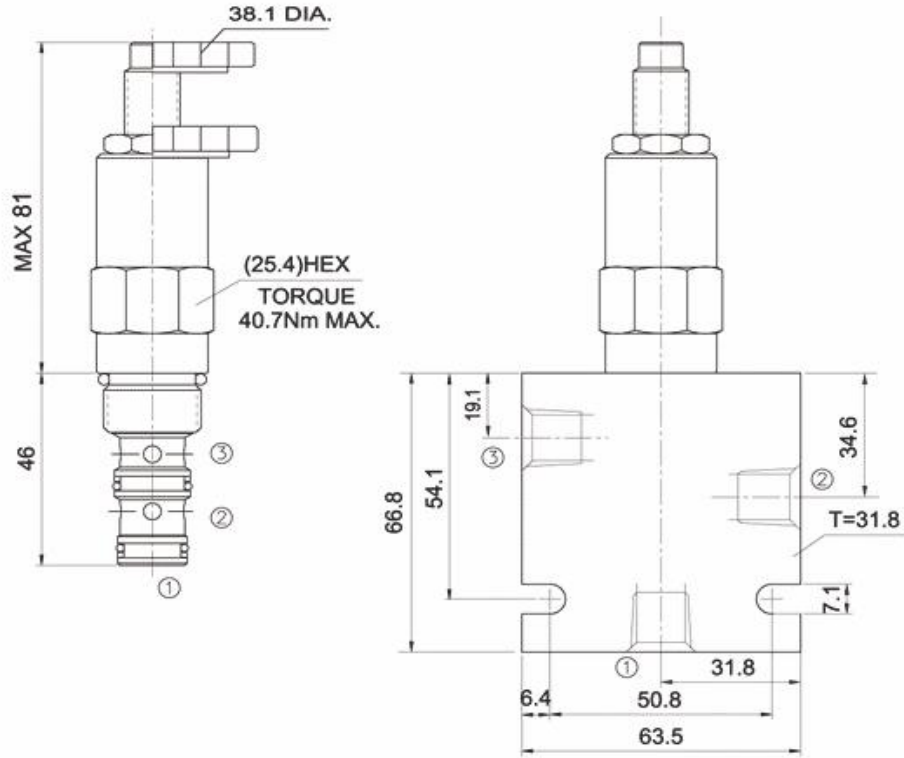
DEBI

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YERLEŞTİRME ÖLÇÜLERİ INSTALLATION DIMENSIONS



Unit=Millimeters

TO ORDER

LDPR - 10 - * * - * / * * * * - * *

DIRECT-ACTING, PRESSURE
REDUCING/ RELIEVING VALVE

CAVITY

Spring Range

4=80-400PSI(5.5-27.6BAR) PRESET:200PSI(13.8BAR)
8=200-800PSI(13.8-55.2BAR) PRESET:400PSI(27.6BAR)
15=300-1500PSI(20.7-103BAR) PRESET:750PSI(51.5BAR)
21=400-2100PSI(14.5-145BAR) PRESET:1050PSI(72.5BAR)

BODY PORTING
3N=3/8PTF
6T=SAE6
8T=SAE8
Other Porting is Available
(Omit for Cartridge only)

SETTING IN BAR
EXAMPLE: 0100=100BAR
(Omit for standard)

K 1-1/2' Dia. Knob
(Omit for 1/4' Hex Allen head)

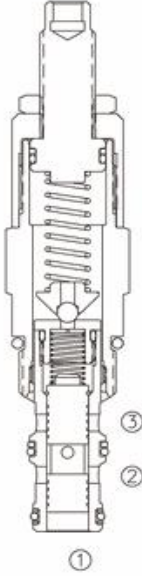
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Direk Hareketli, Basınç Kısma / Boşaltma Valfi

LPPR-10



Pilot-Operated, Pressure Reducing/Relieving Valve

OPERATION

In its steady state, the valve allows flow to pass bi-directionally from ② to ①, with the spring chamber constantly drained at ③.

On attainment of a pre-determined pressure at ①, the cartridge shifts to restrict input flow at ②, thereby regulating pressure at ①. In this mode, the valve will also relieve ① to ③ over the reducing setting.

Deadband (from reducing to relieving) pressure rise over reduced pressure setting:

Non-flow condition: approximately 0.55 bar (8 psi); with flow: approximately 2.1 bar (30 psi).

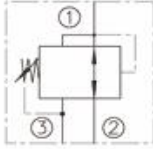
FEATURES

- Adjustments prohibit springs from going solid.
- Optional spring ranges to 207 bar.
- Hardened spool and cage for long life.
- Industry common cavity.

ÖZELLİKLER

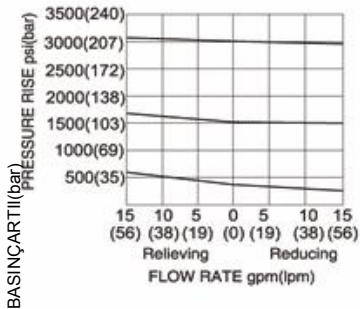
- Katı hareketi yaylar ayarlanarak önlenir
- 207 bara kadar seçmeli yay aralığı
- Uzun ömür için sertleştirilmiş hassas sürgü ve kafes
- Endüstriyel standartlarda kavite

SYMBOL



PERFORMANCE CHART

150 ssu/32 cSt OIL @ 100°F / 38°C



SPECIFICATIONS

Operating Pressure : 207 bar

Flow : See Performance Chart

Internal Leakage ② to ③ :

82 cc/minute max. at ΔP 207 bar

Standard Spring Ranges Reducing Function:

6.9 to 27.6 bar; 10.3 to 103bar; 27.6 to 207 bar;

Temperature : -30°F to +250°F (-35°C to +120°C)

Filtration : Critical Application-ISO 16/12.

Non-Critical Application-ISO 19/15

Fluids : Mineral-based fluids.

For other fluid compatibility consult factory.

Cavity : 10-3; See page 265

Body Material : Anodized 6061T6 aluminum alloy rated at 207 Bar.

DEBİ

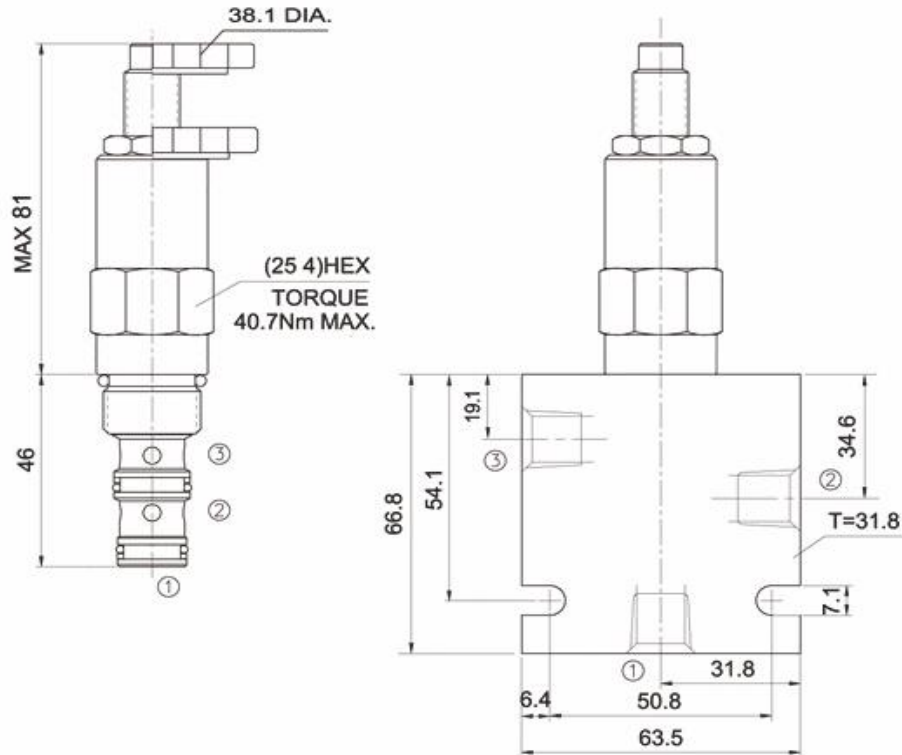
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YERLEŞTİRME ÖLÇÜLERİ

INSTALLATION DIMENSIONS



Unit=Millimeters

TO ORDER

LPPR - 10- ** - * /**** - **

PILOT-OPERATED, PRESSURE REDUCING/ RELIEVING VALVE

CAVITY

Spring Range

4=100 to 400 Psi (6.9 to 27.6bar) Preset:13.8bar;
15=150 to1500 Psi (10.3to 103bar) Preset:56bar;
30=400 to 3000 Psi(27.6 to 207bar) Preset:103bar;

BODY PORTING
3N=3/8PTF
6T=SAE6
8T=SAE8
Other Porting is Available
(Omit for Cartridge only)

SETTING IN BAR
EXAMPLE: 0100=100BAR

K 1-1/2' Dia. Knob
(Omit for 1/4' Hex Allen head)

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