



PILOT OPERATED PRESSURE RELIEF VALVE PPR 06K

ENGINEERING

1

Ref. No. D 23100 A
Release 11/2006

Description

Pilot Operated spool type Relief Valve cartridge,
Low pressure override due to larger flow area.

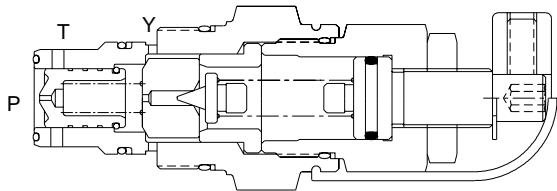
Two options for pressure adjustment,

- With set screw and lock nut.
- With hand knob and lock nut.

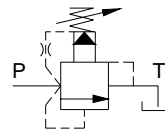
Internal drain valve can be converted to external drain



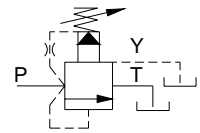
Section



Hydraulic Symbol



PPR 06
(Internal drain)

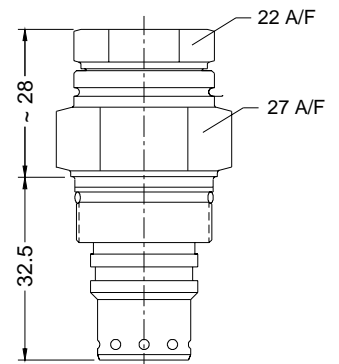
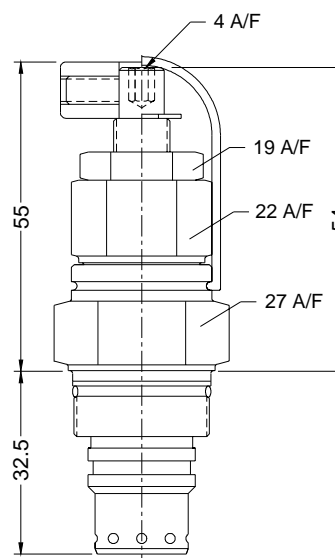
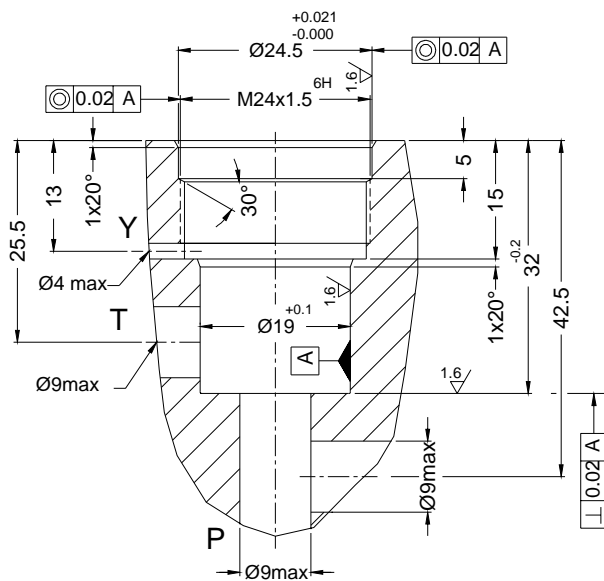
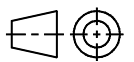


PPR 06 * Y
(External drain)

Unit dimension

Threaded cartridge and cavity details

Dimensions in mm.



PPRF06K*

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**PILOT OPERATED
PRESSURE RELIEF VALVE
PPR 06K**

ENGINEERING

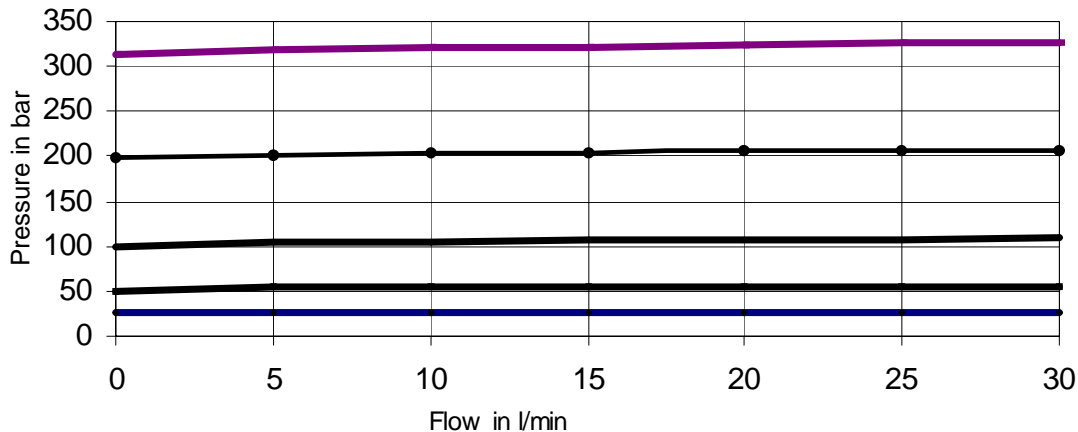
2

Ref. No. D 23100 A

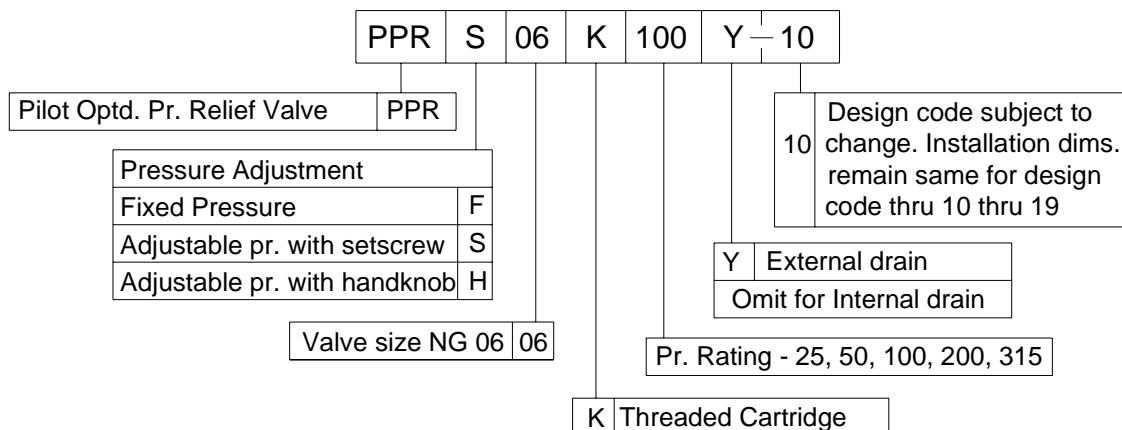
Technical specification

Construction	Pilot Operated spool type.
Mounting	Threaded Cartridge, Factory standard.
Mounting position	Optional
Flow direction	From port P to T
Operating pressure	For port P 315 bar For port T 60 bar For port Y 60 bar
Hydraulic medium	Mineral oil
Viscosity range	10 Cst to 380 Cst.
Fluid temperature range	-20 °C to +100 °C.
Fluid cleanliness requirement	As per ISO 16/13
Maximum flow handling capacity	30 lpm
Mass	0.2 kg.

**Pressure Drop Curve for PPR 06
Oil used : ISO VG 68.**



Ordering code





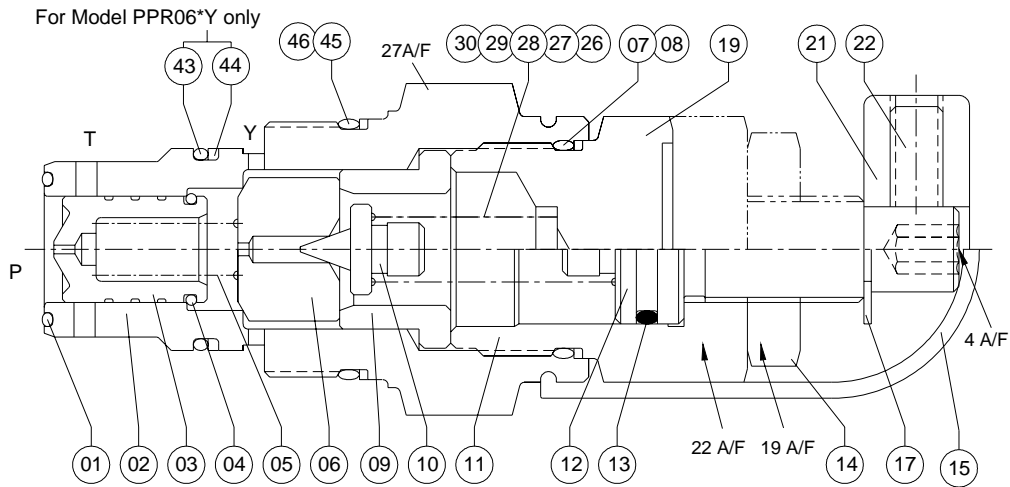
PILOT OPERATED PRESSURE RELIEF VALVE PPR 06K

SERVICE

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Ref. No. D 23100 A

Sectional view & Part details



Sl no	Description	Part No	Qty
* 1	O'Ring Ø12.5 id x 1 csd	23101	1
2	Main Bush		1
3	Main Poppet		1
4	Spring ring Ø8 id X 1 csd		1
5	Spring		1
6	Pilot valve seat		1
* 7	O'Ring 17.5 ID x 1.5 CSD	23107	2
8	Back up ring 18 x 20.5 x 1 th	23108	2
9	Spacer		1
10	Pilot Poppet		1
11	Spring Casing		1
* 12	Adjusting screw		1
* 13	O'Ring Ø10.5 ID x 1.5 CSD	23113	1
14	Check Nut		1
15	Rubber Cap		1

Sl no	Description	Part No	Qty
17	Circlip `C' Type Ø6 Nominal	23117	1
19	Plug (Fixed Pr.)		1
21	Hand knob		1
22	Grub screw		2
# 26	Spring 25 bar	23126	1
# 27	" 50 bar	23127	1
# 28	" 100 bar	23128	1
# 29	" 200 bar	23129	1
# 30	" 315 bar	23130	1
43	O Ring (16 id x 1.5 csd)		1
44	Backup Ring (16 x 18.98 x 1)		1
45	O Ring (21 id x 1.5 csd)		1
46	Backup Ring (21 x 24.48 x 1)		1

Note : * Recommended seal kit. * & # Recommended spare kit.

While ordering the individual spares / spare kit / seal kit, give part no.
and complete details of model code as on the label.