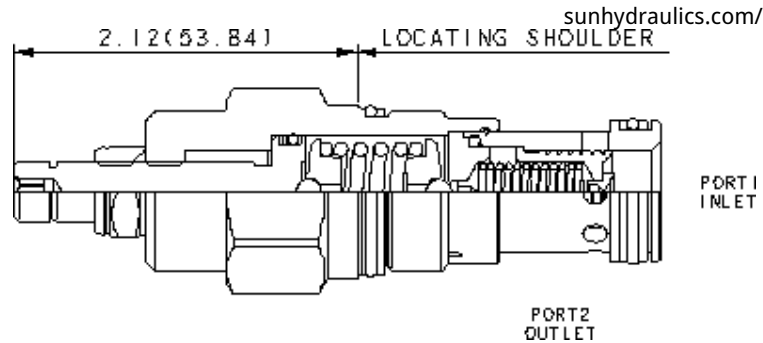
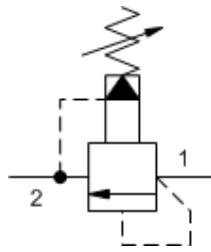




CONFIGURATION

L	Control	Standard Screw Adjustment
A	Adjustment Range	100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting
N	Seal Material	Buna-N
(none) Material/Coating		

Pilot-operated, balanced-piston relief cartridges are normally closed pressure regulating valves. When the pressure at the inlet (port 1) reaches the valve setting, the valve starts to open to tank (port 2), throttling flow to regulate the pressure. These valves are accurate, have low pressure rise vs. flow, they are smooth and quiet, and are moderately fast.

TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Maximum Operating Pressure	350 bar
Factory Pressure Settings Established at	15 L/min.
Maximum Valve Leakage at 110 SUS (24 cSt)	50 cc/min.@70 bar
Response Time - Typical	10 ms
Adjustment - No. of CW Turns from Min. to Max. setting	5
Locknut Hex Size	15 mm
Locknut Torque	9 - 10 Nm
Seal kit - Cartridge	Buna: 990203007
Seal kit - Cartridge	EPDM: 990203014
Seal kit - Cartridge	Polyurethane: 990003002
Seal kit - Cartridge	Viton: 990203006

NOTES For Series 1 cartridges configured with an O control (panel mount handknob), a .75 in. (19 mm) diameter hole is required in the panel.

CONFIGURATION OPTIONS

Model Code Example: RPGCLAN

CONTROL	(L) ADJUSTMENT RANGE	(A) SEAL MATERIAL	(N) MATERIAL/COATING
L Standard Screw Adjustment	A 100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting	N Buna-N	Standard Material/Coating
C Tamper Resistant - Factory Set		E EPDM	/AP Stainless Steel, Passivated
J Capped Screw Adjustment		V Viton	/LH Mild Steel, Zinc-Nickel
K Handknob	W 150 - 4500 psi (10,5 - 315 bar), 1000 psi (70 bar) Standard Setting		
O Handknob with Panel Mount	B 50 - 1500 psi (3,5 - 105 bar), 1000 psi (70 bar) Standard Setting		
W Hex Wrench Adjustment	C 150 - 6000 psi (10,5 - 420 bar), 1000 psi (70 bar) Standard Setting		
Y Tri-Grip Handknob	D 25 - 800 psi (1,7 - 55 bar), 400 psi (28 bar) Standard Setting		
	E 25 - 400 psi (1,7 - 28 bar), 200		

psi (14 bar) Standard Setting

N 60 - 800 psi (4 - 55 bar), 400 psi
(28 bar) Standard Setting

Q 60 - 400 psi (4 - 28 bar), 200 psi
(14 bar) Standard Setting

(ALL DIMENSIONS ARE IN MILLIMETERS)

DRILL-REAMER RELATIONSHIP

- FORM DRILL 994-003-***
- FORM REAMER 995-003-***

0,80 REC.MIN FROM MILLED SURFACE, 1,60 REC.MIN. FROM UNMILLED SURFACE

*SEPARATE DRILL FOR SOCKET CLEARANCE

28,40 HEX

38,10 Ø

18,26 MIN.HEX. EXTENSION

11,13* REF

LOCATING SHOULDER 0,00

28,57

PORT 2

24,61

CARTRIDGE NOSE SUPPORT

57,2 MIN.DEPTH OF 17,48Ø (WORKING PARTS CLEARANCE)

17,48 Ø

0,30 x 45° MAX

47,83

47,93

39,29

0,80 R **

23,70 / 23,80 Ø

45° **

15,88 MIN. FULL THREAD Δ

3,96

A 26,19 / 26,24 Ø^{1,67}

0,00 L.S.

27,38 / 27,43 Ø

33,32 Ø

26,70 / 26,75 Ø

30°**

L.S.

M	REVISED TOOLING P/N. REVISED DIMS FOR CAVITY/TOOLING CONSISTENCY	04MAY11	JRS RCL	10164	TITLE T-3A CA
--	ADDED PAGE 3 OF 3	30DEC02	RJB		DIMENSIONS, TOOL
L	REDRAWN TO BE CONSISTENT WITH SIMILAR CAVS .002 CONCENTRICITY WAS .001	20JUL99	DAS	8372	SCALE REF. 2:1 SERIES 2
UNLESS OTHERWISE SPECIFIED DIM. TOLERANCE ±.013 mm UNLESS SPECIFIED ANGLE TOL ±½ FINISH 20 ✓					WARRANTY RELEASE

```
* SOCKET WRENCH CLEARANCE DIAMETER.
  RECOMMENDED MAXIMUM L.S. DEPTH
    WITHOUT SOCKET CLEARANCE: 11,13
  MINIMUM CENTERLINE-TO-EDGE
    DISTANCE: 18,26
  MINIMUM CENTERLINE-TO-CENTERLINE
    DISTANCE: 34,92
  NBOM CALLOUT: SUN STD T-3A CAVITY
  NBOM CODE:      T3A
```

FULL SCALE

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REVISED TOOLING P/N, REVISED DIMS FOR		UNLESS OTHERWISE SPECIFIED	TITLE T-3A CAVITY DIMENSIONS, TOOLING, PORTING			REVISION	PART NO. T-3A METRIC
M CAVITY/TOOLING CONSISTENCY	04MAY11	JRS RCL	10164			M	SHEET 2 OF 3
ADDED METRIC TOL. BLOCK TO SHEETS 1 & 2							
--- ADDED PAGE 3 OF 3	30DEC02	RJB					
REARRAN TO BE CONSISTENT WITH SIMILAR CANS							
L .002 CONCENTRICITY WAS .001	20JUL99	DAS	8372				
47.82 WAS 47.06 (METRIC DWG ONLY)							
K REDRAWN IN NEW FORMAT.	06 JUL93	BRS					
LET REVISION	DATE	DRN	CHK	REL			
DIM. TOLERANCE ±.013 mm UNLESS SPECIFIED			SCALE REF. 2:1			SERIES 2	
ANGLE TOL ± 1/2° FINISH 20 ✓ UNLESS SPECIFIED REMOVE ALL BURRS			DRAWN HHP		CHECK JDA	RELEASE DATE	HEAT TREAT & FINISH 



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REVISION	PART NO. T-3A	METRIC
M	SHEET	2 OF 3