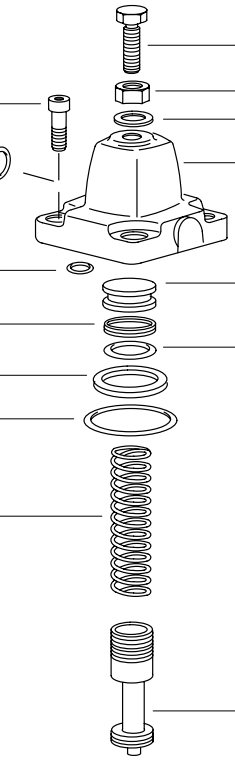
Service Data

Vickers®

Pressure Relief

Pressure Control Valves

R(C)T–10/12––30 Series**
R(C)S–10/12––30 Series**



294960 Adjustment screw

1484 Nut

675957 Shim (As req'd)

581730 Cover (Rotate cover according to valve type.)

1073 Screw (8 req'd) Torque 52 – 62 N.m. (38 – 46 lb. ft.)

315932 Plug Torque to 24 – 27 N.m. (18 –20 lb. ft.) Used on types 1 & 4 only

▲263496 "O" – Ring

▲262349 "O" – Ring

296834 Plug (Assemble guide toward spring.)

▲197579 Back–up ring

▲262341 "O" – Ring

352433 Stop

▲262401 "O" – Ring

Model	Pressure range	Spool	Spring
R(C)*–**–A	80–250	341633	343748
R(C)*–**–B	125–500		343746
R(C)*–**–D	250–1000		343747
R(C)*–**–F	475–2000		
R(C)*–**–X	10–30	342995	343748
R(C)*–**–Y	30–60		343746
R(C)*–**–Z	60–125		343747

Spring (See table)

◆ Body S/A	Model
◆ 590354	RCS–10–**–30
◆ 590368	RS–10–**–30
◆ 590356	RCS–12–**–30
◆ 590369	RS–12–**–30
◆ 590359	RCT–10–**–30
◆ 590371	RT–10–**–30
◆ 590362	RCT–12–**–30
◆ 590372	RT–12–**–30

Spool (See table)

◆ Body S/A (See table)

▲263494 "O" – Ring (2 req'd)

343740 Plug (2 req'd) Torque to 13.6 – 15.8 N.m. (120–140 lb. in.)

Nameplate

AX–36212 Drive screw (4 req'd)

Pressure range	Cover	Plunger
A, B, & D	583180	343002
X, Y, & Z		———
F	583181	343003

▲262349 "O" – Ring

▲262401 "O" – Ring

Plunger (See table)

315932 Plug Torque to 24 – 27 N.m. (18 –20 lb. ft.)

▲263496 "O" – Ring

Cover (See table)

▲263495 "O" – Ring (2 req'd)

363889 Plug (2 req'd) Torque to 17 – 18 N.m. (150–160 lb. in.)

Used on RC* series only

34386 Poppet

23375 Spring

296769 Plug

▲262344 "O" – Ring

▲197582 Back–up ring

295681 Snap ring

▲Included in F3 seal kit 919618

◆ For reference only not available for sale.

VICKERS

Model Code

(F3) - R (C) T - ∗∗ - ∗∗ - 3∗

1 2 3 4 5 6 7 8

1 Special seals
(Omit on STD. models.)

2 Pressure actuated control valve

3 Check valve option

C – With integral check valve
(Reverse free flow)
Omitted – Without check valve

4 Threaded connections

S – Straight threads
T – NPTF threads

5 Nominal valve size

10 – S – 1.6250–12 UN–2B THD.
T – 1 $^{1}/_{4}$″ NPTF THREAD
12 – S – 1.8750–12 UN–2B THD.
T – 1 $^{1}/_{2}$″ NPTF THREAD

6 Pressure range

A – 80 – 250 PSI max.
B – 125 – 500 PSI max.
D – 250 – 1000 PSI max.
F – 475 – 2000 PSI max.
X – 10 – 30 PSI max.
Y – 30 – 60 PSI max.
Z – 60 – 125 PSI max.

7 Valve types

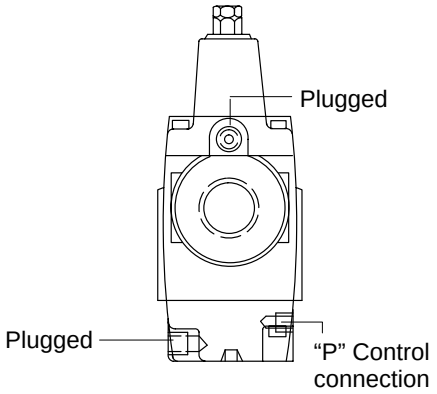
(Inset views at bottom of page show cover positions for the (4) valve types.)

8 Design

Typical model number
RCT–10–4–30

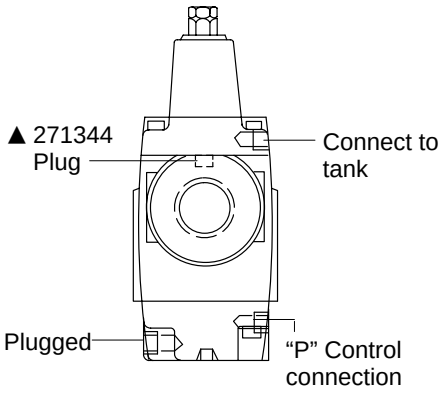
Note
Assemble covers as shown to obtain valve action desired.

Type 1
RT series – Back pressure valve.
RCT series – Counterbalance valve.
Directly controlled internal drain

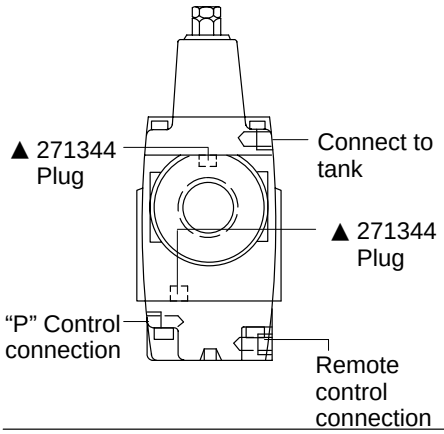


Note
Assemble covers as shown to obtain valve action desired.

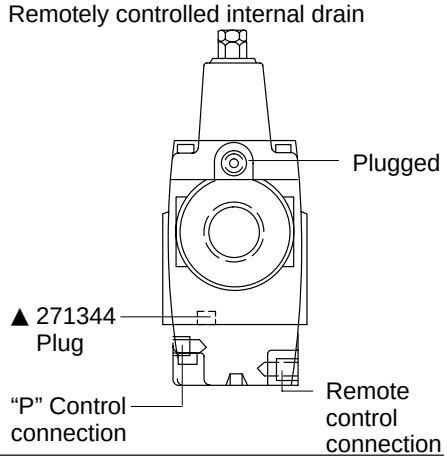
Type 2
RT or RCT series – Sequence valves.
Directly controlled external drain



Type 3
RT or RCT series – Sequence valves.
Remotely controlled external drain



Type 4
RT series – Unloading valve.
RCT series – Counterbalance valve.
Remotely controlled internal drain



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