Vickers®
Directional Controls

Service Data

Pressure Control Valves

R(C)G–03–**–30 Series

298126 Screw (8 req’d) Torque 31 – 38 N.m. (23 – 28 lb. ft.)
315932 Plug Torque to 24 – 27 N.m.
(18 – 20 lb. ft.)
△263496 “O” – Ring
△262334 “O” – Ring
583195 Stop
391660 Plate (Rotate plate with cover according to valve type.)
Spring (See table)

Spool (See table)
◆ Body S/A Model
◆ 581710 RG–03–**–30
◆ 581705 RCG–03–**–30
160571 Rollpin
△262350 “O” – Ring (2 req’d)
△262354 “O” – Ring (2 req’d)

Pressure range | Cover | Plunger
---|---|---
A, B, & D    | 581732 | 593890
X, Y, & Z    | 581731 | 593891
F             | 581731 | 593891

315932 Plug Torque to 24 – 27 N.m.
(18 – 20 lb. ft.)
△263496 “O” – Ring

Cover (See table)

△263492 “O” – Ring
398071 Plug Torque 9–11.3 N.m.
(80–100 lb. in.)
△Included in F3 seal kit 919777
◆ For reference only not available for sale.

1484 Nut
64520 Shim (As req’d)
581728 Cover (Rotate cover according to valve type.)
△197572 Back-up ring
391661 Plug (Assemble wide land of guide next to spring.)
△262346 “O” – Ring

390224 Adjustment screw

Model | Pressure range | Spool | Spring
---|---|---|---
R(C)G–**–A | 80–250 | 340287 | 343087
R(C)G–**–B | 125–500 | 340287 | 343087
R(C)G–**–D | 250–1000 | 340287 | 343089
R(C)G–**–F | 475–2000 | 340287 | 343089
R(C)G–**–X | 10–30 | 340288 | 343087
R(C)G–**–Y | 30–60 | 340288 | 343088
R(C)G–**–Z | 60–125 | 340289 | 343089

AX–36212 Drive screw (4 req’d)

Nameplate
◆ 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.)
Plunger (See table)
△262331 “O” – Ring
△262340 “O” – Ring

Used on RCG series only

79795 Poppet
95633 Spring
△263496 “O” – Ring
315932 Plug Torque to 24 – 27 N.m. (18 – 20 lb. ft.)
Model Code

(F3) - R (C) G - 03 - ** - 30

1 Special seals
(Omit on STD. models.)

2 Pressure control valve

3 Check valve option
C – With integral check valve
(Reverse free flow)
Omit – No check valve

4 Mounting
Manifold or Subplate

5 Nominal valve size
03 – 3/8"

6 Pressure range
A – 250 PSI max.
B – 500 PSI max.
D – 1000 PSI max.
F – 2000 PSI max.
X – 30 PSI max.
Y – 60 PSI max.
Z – 125 PSI max.

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

Typical model number
RCG–03–D4–30

Note
Assemble covers as shown to obtain valve action desired.

Type 1
RG series – Back pressure valve
RCG series – Counterbalance valve
Directly controlled internal drain

Remote control is blocked

Type 3
RG or RCG series – Sequence valves
Remotely controlled external drain

Remote control connection

Type 2
RG or RCG series – Sequence valves
Directly controlled external drain

Remote control is blocked

Type 4
RG series – Unloading valve
RCG series – Counterbalance valve
Remotely controlled internal drain

Remote control connection

Note
Assemble covers as shown to obtain valve action desired.

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or cleaner. Selections from pressure, return, and in-line filter series are recommended.