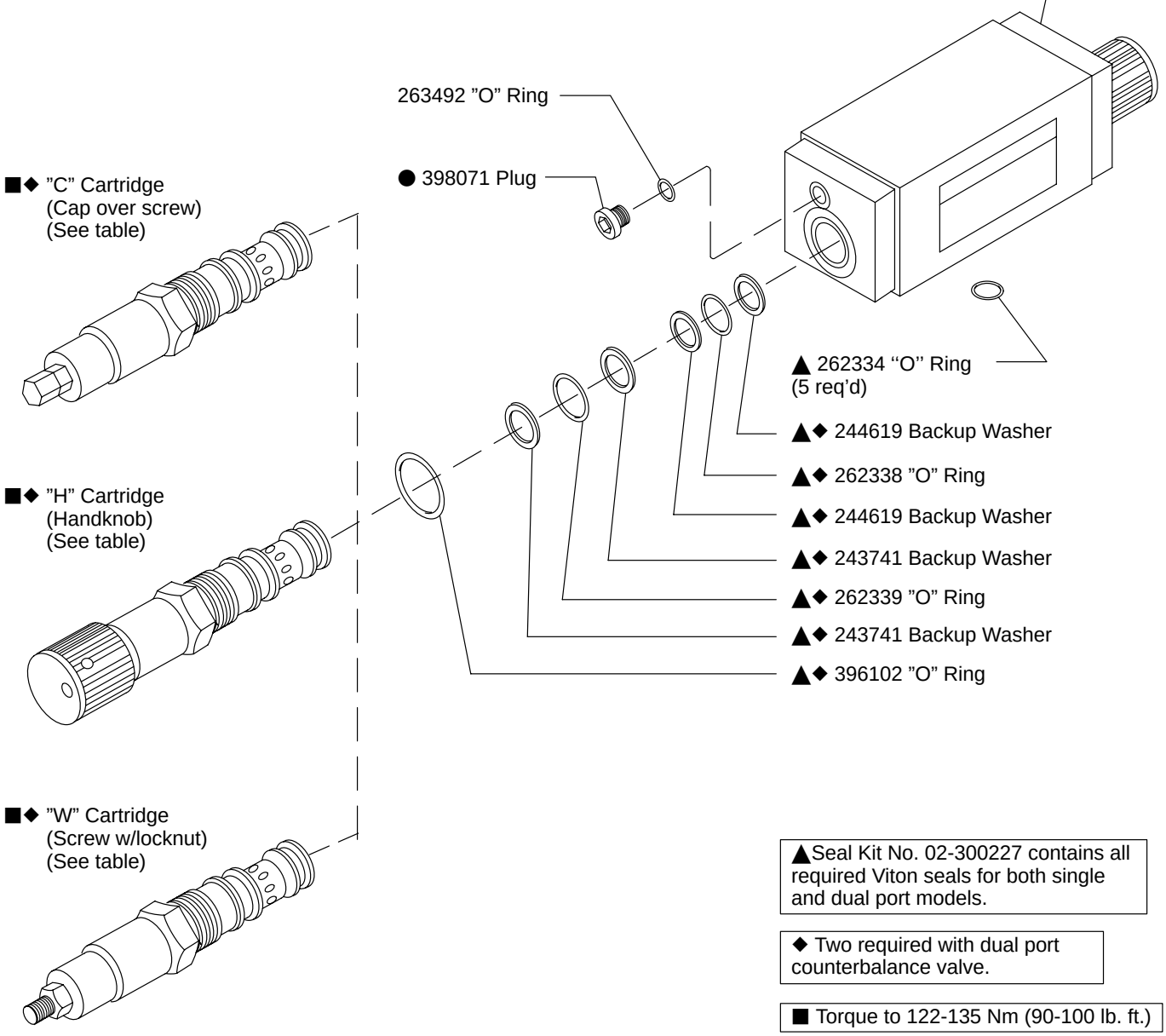
SystemStak™ Counterbalance Valve

DGMR-5--F*-(B*)-(F*)-30**

	Cartridge Part No.	
Adj.	4:1 Pilot Ratio	10:1 Pilot Ratio
C	02-148901	02-148904
H	02-148902	02-148905
W	02-148903	02-148906

Body Type	Body Part No.
Dual Port (Shown)	917090
Single "A" Port	917091
Single "B" Port	917092

Note: Bodies are not available for sale



▲Seal Kit No. 02-300227 contains all required Viton seals for both single and dual port models.

◆ Two required with dual port counterbalance valve.

■ Torque to 122-135 Nm (90-100 lb. ft.)

● Torque to 9.8-10.2 Nm (85-90 lb. ft.)

Model Code

DGMR - 5 - * * - F * - (B *) - (F *) - 30

1 2 3 4 5 6 7 8 9 10 11

1 Valve Function

DGMR - Manifold or gasket mounted counterbalance valve

2 Size

5 - ISO 4401-05, CETOP 5 ANSI/NFPA D05

3 Port Acted Upon

A - Counterbalance on A, piloted from B
B - Counterbalance on B, piloted from A

4 Pilot Ratio

1 - 4:1
2 - 10:1

5 Pressure Range

F - 60-210 bar (900-3000 psi)
For pressure settings over 210 bar (3000 psi) contact your Vickers representative.

6 Adjustment Options

W - Screw with locknut
C - Cap over screw
H - Handknob

7 Port Acted Upon (Omit for Single Type)

B - Counterbalance on B, piloted from A

8 Pilot Ratio

1 - 4:1
2 - 10:1

9 Pressure Range

F - 60-210 bar (900-3000 psi)
For pressure settings over 210 bar (3000 psi) contact your Vickers representative.

10 Adjustment Options

W - Screw with locknut
C - Cap over screw
H - Handknob

11 Design

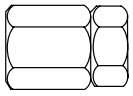
Fluid Cleanliness

The following are recommended cleanliness levels for Vickers SystemStak valves using petroleum oil under common conditions. Refer to Vickers publication 561 for more information.

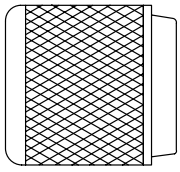
1000 psi	2000 psi	3000 psi
19/17/14	19/17/14	19/17/14

Adjuster Kits

"C"
(Cap over screw)
02-300228

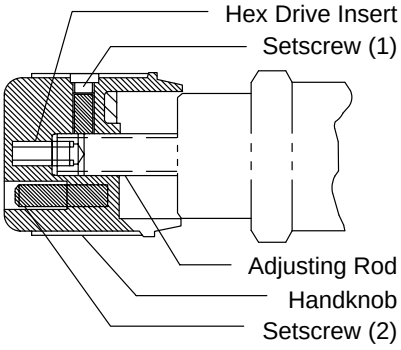


"H"
(Handknob)
868794



Handknob Adjustment Conversion

Use the following procedure to convert to handknob adjustment:



1. Before installing knob on adjusting rod, turn adjusting rod counter-clockwise until fully retracted while aligning hex drive insert against adjusting knob recess.
2. Slide handknob over adjusting rod to bottom of hole. (This is the maximum pressure setting.)
3. Tighten setscrew (1).
4. Turn knob until the desired setting is reached.
5. Tighten setscrew (2) to maintain the desired setting.

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