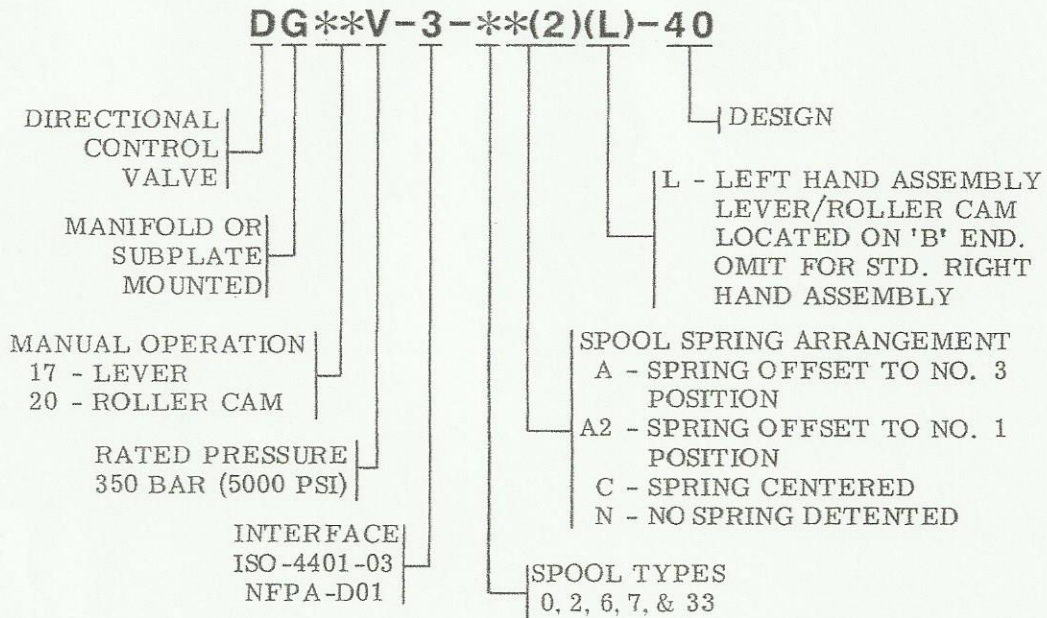


MODEL CODE BREAKDOWN

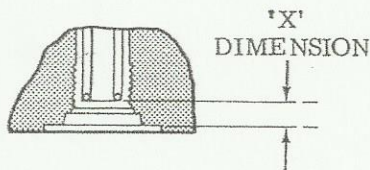


SHIMMING PROCEDURE

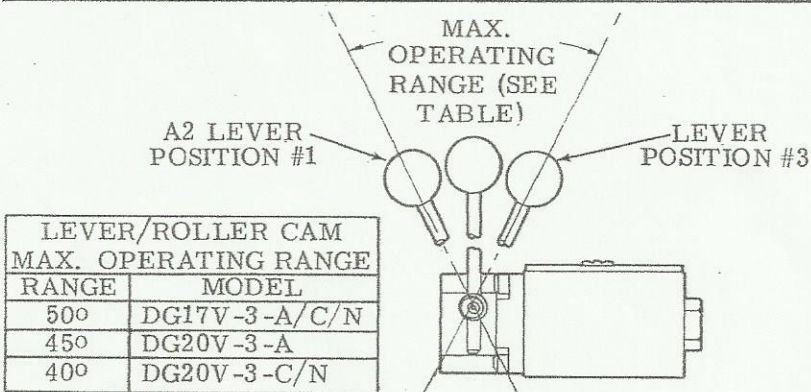
If replacement of the spool, detent, or spring is required, perform the following procedure to maintain a nominal detent force of 5kg, (11 lbs), on detented 'N' models only.

1. Turn valve over so porting is up.
2. Install detent and spring into valve cover. Make sure detent is located in a groove of the spool.

3. Measure 'X' distance between top of spring and spot face.
4. Use this measurement to determine shims from table.
5. Install shims and thread plug in place with a torque of 7.4-9.0 N.m (65.0-79.6 lb.in.)



'X' DIMENSION		SHIMS REQ'D
mm	in.	
1.39	.054	0
1.40 - 1.70	.055 - .067	1
1.71 - 2.00	.068 - .080	2
2.01 - 2.30	.081 - .093	3
2.31 - 2.60	.094 - .106	4



AS THIS COMPLETE UNIT CAN BE REPLACED AT A NOMINAL COST, FACTORY REPAIR IS NOT PRACTICAL. KITS ARE AVAILABLE TO SUPPORT CUSTOMER REPAIR.

For satisfactory service life of these components in industrial applications, use full flow filtration to provide fluid which meets ISO cleanliness code 18/15 or cleaner. Selections from Vickers OFFP, CFR, and CFRS series are recommended.