

A FLECK PERFORMANCE BULLETIN

Product Application Service General news from Fleck Controls

July 31, 1990

Design Changes : 9000 Valve

There is a slight bleed through of unconditioned water into the service line when the 9000 twin alternating valve transfers from tank #1 (in service) to tank #2 (in service).

To correct this problem, we have made the following design changes:

1. Land #2 on the lower piston (Part #14905) has been .lengthened to obtain zero hard water bypass during tank transfer (Fig. 1) **NOTE:** This redesigned piston can be used as a replacement part on any 9000 valve.
2. An extra seal (identical to the existing seals) and a thinner but solid spacer (Part #16595, Fig. 2) have been added to the lower, back seal/spacer set (Fig. 5).
3. The valve body bore depth has been increased to accept the extra seal and spacer (Fig. 3). A raised rib has been added to the outside of the casting to identify the deep bore valve bodies (Fig. 4).

There have been no part number changes, only design changes. Spacer #16595 is a new part. All 9000 valves built since April 1, 1990 reflect these changes.

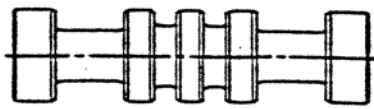
When changing seals and spacers on 9000 valves that are marked with the raised identification rib, the new seal and spacer are positioned innermost, and are reached through the back of the casting.

NOTE: 9000 valves that do not have the raised identification rib will not function properly if these new parts are inserted. Also note that the lower seal replacement kit (# 60421) now contains the extra seal and new spacer, but they will not be needed on the older, unmarked valves.

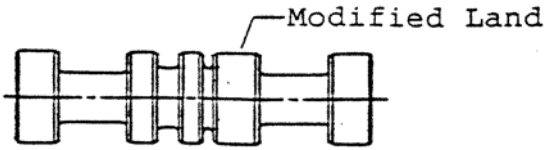
As always, thank you for using Fleck Controls.

Sincerely,

Fleck Controls Inc.
Technical Product Support

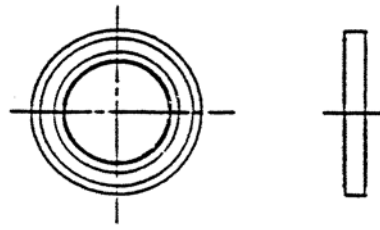


Old Piston Design



New Piston Design

Fig. 1



Thin Spacer #16595

Fig. 2

Fig. 3

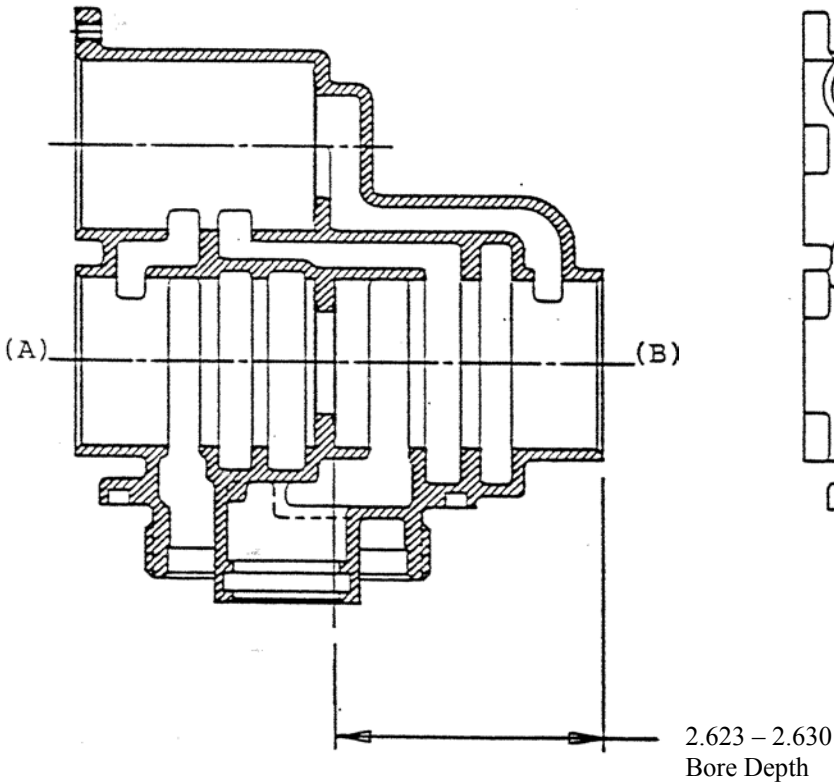
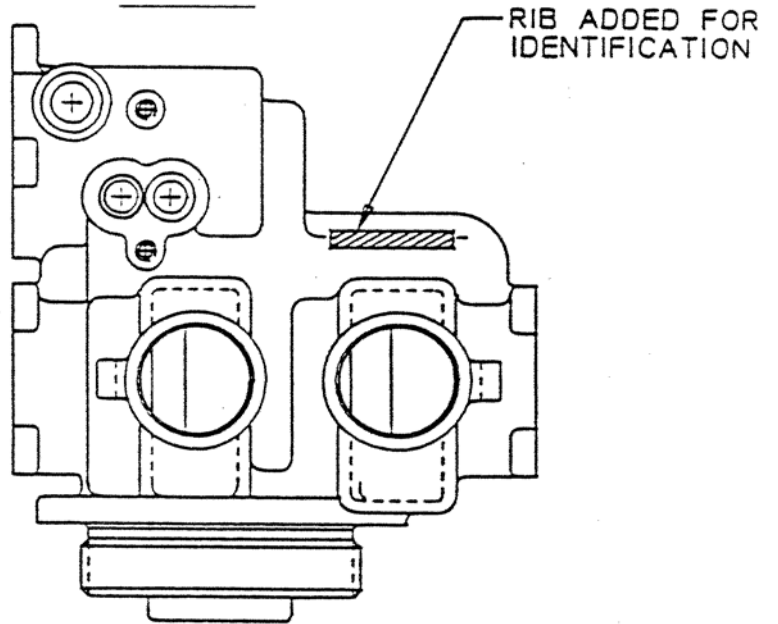
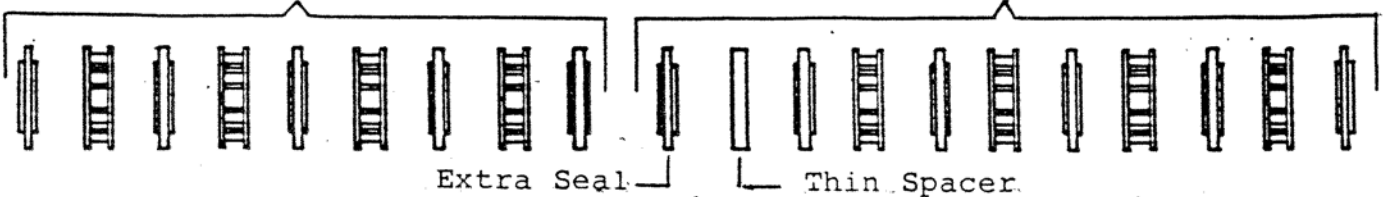


Fig. 4



Serviced From Front Of Casting (A)

Serviced From Back Of Casting (B)



Position Of Entire Seal/Spacer Assembly In Lower Casting Bore

Fig. 5