

MedGas Resource Guide

Unimatic Manifold - Replacing Shuttle Valve Seals

Note:

Replacing the seals in the shuttle valve should be performed in a clean environment to prevent any debris from getting into the shuttle valve. You will need the following parts: 0210-5260-300 (x2), 0210-5292-300 (x2), 0210-0706-300 (x2)
0210-0484-300 (x1)

Step 1

Place the manifold into bypass mode and remove the shuttle valve.

Step 2

Remove the four bolts and two end plate washers from the shuttle valve assembly.

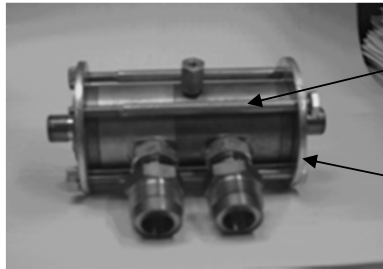


Figure 1a

Bolts

End Plates

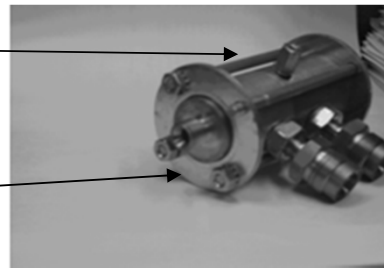


Figure 1b

Step 3

Pull the two main sections of the shuttle valve apart and remove the shuttle cock.

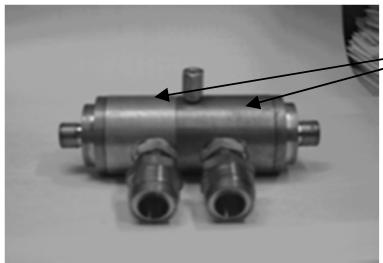


Figure 2a

Pull apart main sections

Remove the shuttle cock

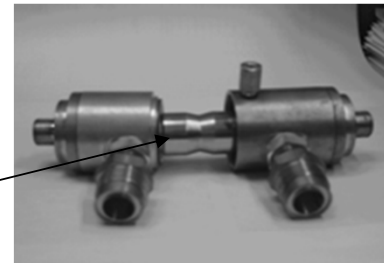


Figure 2b

Step 4

Remove all of the old seals from the shuttle valve and discard. Replace the large seals with the spring facing in towards the valve. On the large side replace the brass ring and then replace the center o-ring.

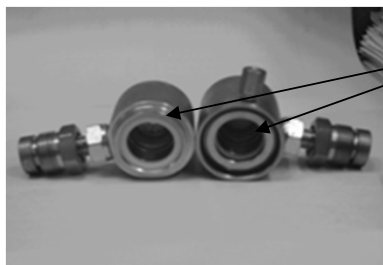


Figure 3a

Remove all of the old seals

Teflon seals (spring facing in)

0210-5292-300

Brass ring

Center o-ring

0210-0484-300

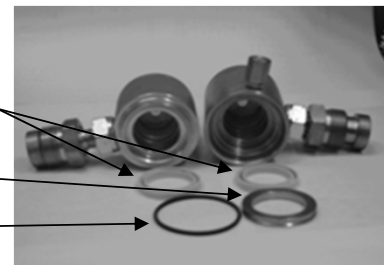


Figure 3b

Step 5

Reassemble the main sections of the shuttle valve and remove one end piece.

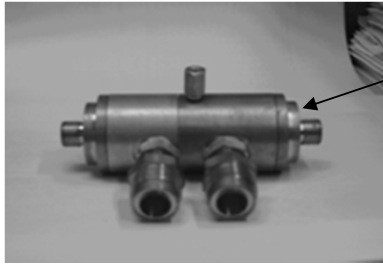


Figure 4

Step 6

Remove all of the seals from one end and discard. Replace the small seal with the spring facing out from the valve, then replace the o-ring.

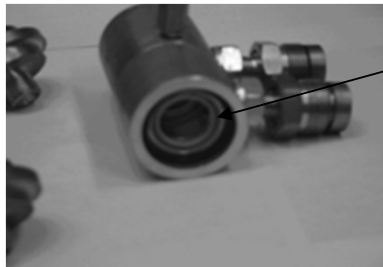


Figure 5a

Remove all of the old seals

O-ring

0210-0706-300

Teflon seal (spring facing out)

0210-5260-300

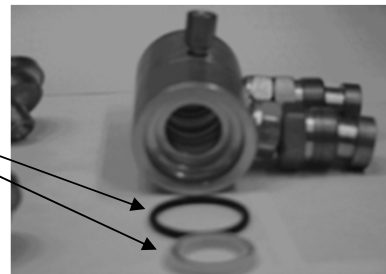


Figure 5b

Step 7

Reassemble the end piece and repeat process for other end.

Step 8

Replace the end plate washers and replace bolts. Reinstall shuttle valve in manifold and take manifold out of bypass mode.