

5100 SC

Installation Manual

Secondary Containment
Adaptor Unit

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mciTM
SOLUTIONS

Installation Instructions

The 5100SC series adaptor is to be installed by trained personnel only. These instructions are to be used in conjunction with existing 5100 series pump manual

1. Remove fluid end (9) from pump housing **[FIG 1]**
2. Remove packing and thoroughly clean packing gland
3. Remove lock nut (5) from the fluid end and install on the adaptor body (6)
4. Install seal assembly (7 & 8) and plunger (2) in fluid end (9) **[FIG 2]**
5. Thread adaptor body (6) into pump housing and temporarily tighten lock nut (5) **[FIG 3]**
6. Install guide bushing (4) into adaptor body (6) and thread on packing gland nut (3) **[FIG 4]**
7. Thread fluid end (9) with installed seal assembly and plunger into adaptor body (6) **[FIG 5]**



IMPORTANT: To prevent leaks ensure axial seals on seal assembly are fully engaged

8. Connect plunger with supplied pin (1)
9. Loosen lock nut (5) that was temporarily tightened in Step 5 and rotate entire assembly until fluid end (9) is oriented correctly and re-tighten lock nut (5)
10. Install tube fitting (10) in drain port (Drain port shown in FIG 5)
11. Rotate drain port on adaptor body (6) to location of your choice (usually at 12:00 position) **[FIG 6]**
12. Connect drain port to suction side of fluid end (9) (Typical Installation Shown) **[FIG 7]**



WARNING: Do not plug off drain port on adaptor body

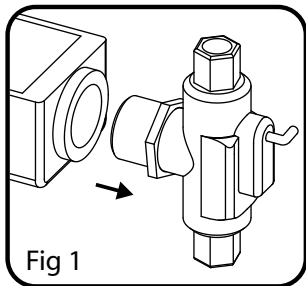


Fig 1

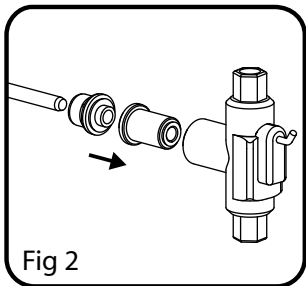


Fig 2

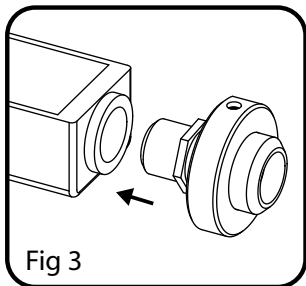


Fig 3

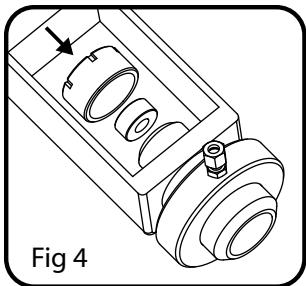


Fig 4

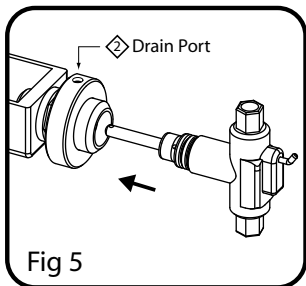


Fig 5

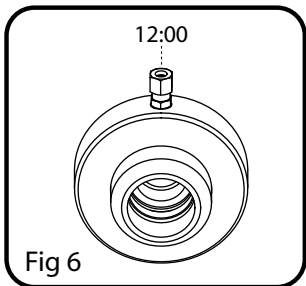


Fig 6

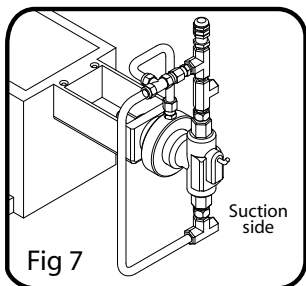


Fig 7

1	Pin
2	Plunger
3	Packing Gland Nut
4	Guide Bushing
5	Lock Nut
6	Adaptor Body
7	LP Seal Gland
8	HP Seal Gland
9	Fluid End
10	Tube Fitting

