



BU-3143

Maintenance Instructions for FPSSC* Semi-Soft Seat Check Valves

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1.0 REFERENCE

- 1.1 Applicable Assembly Drawings B-2589, B-2480, B-2486, B-2591.

2.0 PURPOSE

- 2.1 To establish maintenance instructions for the FPSSC6, FPSSC8, FPSSC12 and FPSSC16 semi-soft seat check valves.

3.0 SCOPE

- 3.1 This maintenance instruction (BU-3143) is to be used for all FPSSC6, FPSSC8, FPSSC12 and FPSSC16 semi-soft seat check valves.

4.0 INSTRUCTIONS

CAUTION: *Vent all pressure from system before removing valve for maintenance.*

4.1 Disassembly

- 4.1.1 Remove valve from system.
- 4.1.2 Secure the valve assembly in a vise equipped with "soft jaws".
- 4.1.3 Using retaining ring pliers, compress and remove the retaining ring (item 8).
- 4.1.4 Remove from vise, invert body and remove spring retainer (item 9), large spring (item 7), ball retainer (item 5), small spring (item 6), ball (item 2) and ring (item 4).
- 4.1.5 Using a packing puller, carefully remove seat (item 3) from body. Avoid scratching body in the area of the seat.

4.2 Assembly

4.2.1 Examine the repair kit components for damage and cleanliness.

CAUTION: All damaged components are to be replaced.

4.2.2 Install seat (item 3), ring (item 4) and ball (item 2) into the valve body.

4.2.3 Insert the small spring (item 6), ball retainer (item 5), large spring (item 7) and spring retainer (item 9).

4.2.4 Compress retaining ring (item 8) to engage body bore. Push ring downward to compress large spring and until the retaining ring engages and locks into the machined slot.

4.2.5 The valve is ready to be returned to service.

General Note

Butech Pressure Systems recommends that refurbished valves be pressure tested before being returned to service.



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RECORD OF REVISION

REV NO	DESCRIPTION OF CHANGES	DATE	BY	APPR
0	Original document	14-Jan-02	DTG	DTG