

Maintenance Instructions For Angle Pattern Sno-Trik® Series Valves

MS-INS-SNO RevE
CP August 2023

Kit Contents:

PTFE Kit:

Glands (2)
Packing
Lubricant
Instructions
Material Safety Data Sheet

Grafoil® Kit:

Glands (2)
Packing (2)
Lubricants (2)
Instructions
Material Safety Data Sheet

WARNING: Before servicing any installed valve, you must:

- depressurize system
- cycle valve

WARNING: Residual material may be left in the valve and system.

****Refer to Drawing Throughout Procedure****

1. Loosen and remove the cap screw from the valve body.
2. Lift the lock plate away from the bonnet.
3. Using a wrench, unscrew the bonnet assembly from the valve body.
4. Remove the lock plate from the bonnet.
5. Turn the handle until the entire stem extends through the bottom of the bonnet assembly and remove the stem from the stem shank.
6. Loosen the handle screw and remove the handle from the stem shank.
7. Remove the stem shank from the bonnet.
8. Carefully remove the spacer from the valve body.

9. With a wrench, unscrew the replaceable seat from the valve body.
10. Being careful not to scratch or nick the packing bore, hold the valve upside down and push the glands and packing out through the valve body.
11. Discard the old glands and packing.
12. Remove all contaminants from the handle, bonnet, stem shank, stem, spacer, replaceable seat, and body.
13. Examine all parts carefully for signs of wear or corrosion.
14. Lubricate the stem shank threads with the MS-LT-6 lubricant and thread the stem shank into the bonnet.
15. Align the handle screw with the indentation in the stem shank.
16. Place the handle onto the stem shank and tighten the handle screw into that indentation.
17. Lube stem shank slot with MS-LT-6 lubricant. Place the stem back into the stem shank slot.
18. Turn the handle until the stem is completely retracted into the bonnet.
19. With grooved end of the spacer facing the handle, slide the spacer over the stem and up toward the bonnet.
20. Place one gland over the stem with the chamfered side positioned toward the handle.

Grafoil Packed Valves: Lubricate the packing with the MS-LT-MOLY-GN lubricant, covering all surfaces of the packing. Ensure the inner diameter (ID) of the packing is lubricated.

21. Place the new packing over the stem and rest it against the gland.
22. Place the other gland on the stem with the chamfered side positioned away from the handle.
23. Position the lock plate over the bonnet assembly.
24. Lubricate the bonnet threads with part of the MS-LT-6 lubricant and screw the bonnet assembly into the valve body.

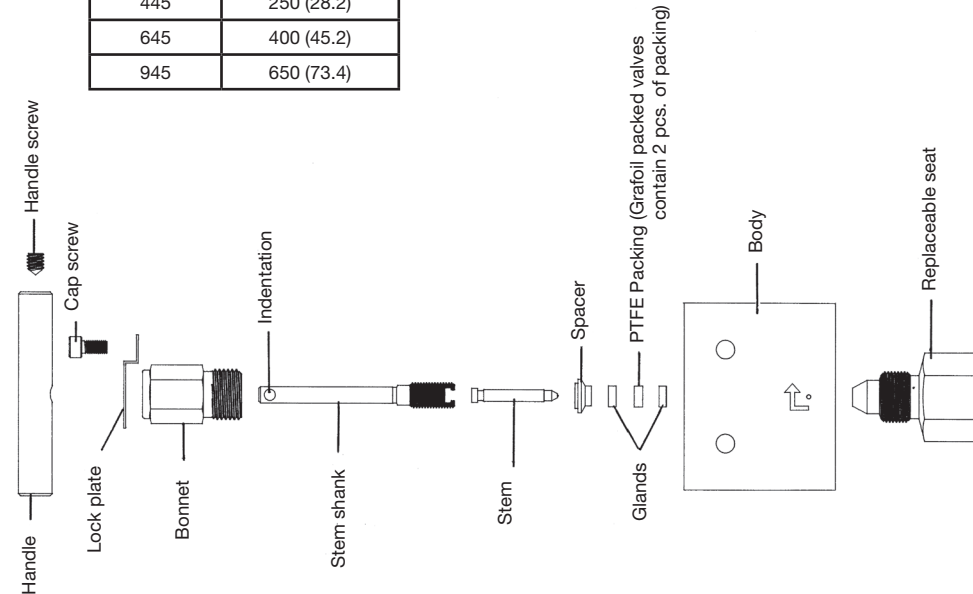
Note: Be careful not to get lubricant on stem tip.
25. Torque the bonnet according to the chart below.

Valve Type	Torque Value, in.·lbs (N·m)
Sour Gas (-SG)	150 (17.0)
PTFE packed	300 (33.9)
Grafoil packed	350 (39.5)

26. Install the cap screw through the lock plate and into the valve body and tighten.
27. Lubricate the threads on the replaceable seat with MS-LT-6 lubricant and install the seat into the valve body.

28. Torque the replaceable seat to the Torque Value listed in the chart below.

Valve Series	Torque Value, in.·lbs (N·m)
410	250 (28.2)
445	250 (28.2)
645	400 (45.2)
945	650 (73.4)



Maintenance Instructions For Straight Pattern Sno-Trik Series Valves

MS-INS-SNO RevE
CP August 2023

Kit Contents:

PTFE Kit:

Glands (2)
Packing
Lubricant
Instructions
Material Safety Data Sheet

Grafoil Kit:

Glands (2)
Packing (2)
Lubricants (2)
Instructions
Material Safety Data Sheet

WARNING: Before servicing any installed valve you must:

- ⚠ • depressurize system
- ⚠ • cycle valve

WARNING: Residual material may be left in valve

Refer to Drawing Throughout Procedure

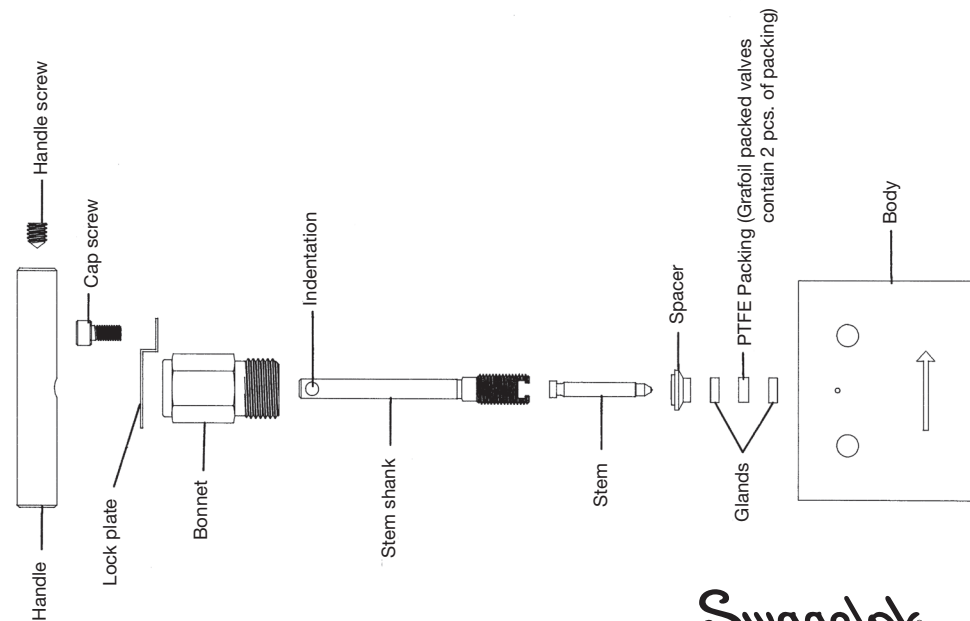
1. Loosen and remove the cap screw from the valve body.
2. Lift the lock plate away from the bonnet.
3. Using a wrench, unscrew the bonnet assembly from the valve body.
4. Remove the lock plate from the bonnet.
5. Turn the handle until the entire stem extends through the bottom of the bonnet assembly and remove the stem from the stem shank.
6. Loosen the handle screw and remove the handle from the stem shank.
7. Remove the stem shank from the bonnet.

8. Carefully remove the spacer, glands, and packing from the valve body. Be careful not to scratch or nick the packing bore.
9. Discard the old glands and packing.
10. Clean the handle, bonnet, stem shank, stem, spacer and body, removing all contaminants. Examine all parts carefully for signs of wear or corrosion.
11. Lubricate the stem shank threads with the MS-LT-6 provided in the kit and thread the stem shank into the bonnet.
12. Align the handle screw with the indentation in the stem shank.
13. Place the handle onto the stem shank and tighten the handle screw into that indentation.
14. Lube stem shank with MS-LT-6 lubricant. Place the stem back into the stem shank slot.
15. Turn the handle until the stem is completely retracted into the bonnet.
16. With the grooved end of the spacer facing the handle, slide the spacer over the stem and up toward the bonnet.
17. With the chamfered side facing toward the handle, place one gland over the stem.
Grafoil Packed Valves: Lubricate the packing with the MS-LT-MOLY-GN lubricant, covering all surfaces of the packing. Ensure the inner diameter (ID) of the packing is lubricated.
18. Place the new packing over the stem and

19. rest it against the gland.
20. With the chamfered side facing away from the handle, place the other gland on the stem.
21. Position the lock plate over the bonnet assembly.
22. Lubricate the bonnet threads with the remaining MS-LT-6 and install the bonnet assembly into the valve body. Be careful not to get lubricant on the stem tip.
23. Torque the bonnet according to the chart below.

Valve Type	Torque Value, in.-lbs (N·m)
Sour Gas (-SG)	150 (17.0)
PTFE packed	300 (33.9)
Grafoil packed	350 (39.5)

23. Install the lock screw through the lock plate and into the valve body and tighten.



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MS-INS-SNO RevE, August 2023

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