



Sun offers replacement seal kits for all cartridge models. These kits include all of the external seals on the cartridge along with installation instructions. Seal kits are available in Buna-N and Viton for all models, along with EPDM and polyurethane for many models. Please note: Converting the external seals from one material to another does not ensure fluid compatibility with that material due to the existence of internal seals within the cartridge.

TECHNICAL DATA

NOTES

- Install back-up rings and O-rings as shown in views.
- See installation variations for models associated with alternative installation views.
- When installing continuous back-up rings, use the same technique and the same care used to install O-rings.
- When installing cartridge - be sure to torque to recommended value.
- During 1985, SUN made a running change of all external seals on Series 2 cartridges (1-1/8 in. (28,6 mm) hex, 1-14 thd). The seals were changed from 3/32 in. (2,62 mm) c/s to 1/16 in (1,7/8 mm) c/s o-rings and backup rings.
- Use the kit which contains the same size (c/s) seals as those used on the cartridge being repaired. Do not change cartridge o-ring c/s sizes.

INCLUDED COMPONENTS

Part	Description	Quantity	View
500-202-018	O-Ring	1	B
500-202-020	O-Ring	1	A
540-002-018	Backup Ring	2	B
540-002-020	Backup Ring	1	A
999-003-002	Sheet - Information	1	

USED WITH

NQEB RBAA RPGC RPGC8 RPGD RPGE RQGB XCCA

TECHNICAL FEATURES

- The shelf life for this cartridge seal kit is ten years from date of purchase. This date will be printed on the kit packaging.
- The Series 2, two port cavity comes in two versions: the T-3A and the T-5A. The T-3A cavity is typically used in relief applications which require larger port areas, hence a deeper cavity. The T-5A cavity is typically used in flow control applications and utilizes a smaller port area. Since both cavities are Series 2, two port, they share common seal kits, but exclude the possibility of cartridge interchangeability between the two functions.
- Polyurethane seals have a higher tensile strength and are more abrasion/extrusion resistant and are well suited for high cycle and high pressure applications.

USED WITH

What models can this kit be used with?

- [NQEB](#) Air bleed and start-up valve
- [RBAA](#) Direct-acting relief valve - pilot capacity
- [RPGC](#) Pilot operated, balanced piston relief valve
- [RPGC8](#) Pilot operated, balanced piston relief main stage with integral T-8A control cavity

- [RPGD](#) Air-controlled, pilot operated, balanced piston relief valve
- [RPGE](#) Fast-acting, pilot operated, balanced piston relief valve
- [ROGB](#) Kick-down, pilot operated, balanced piston relief valve
- [XCCA](#) All ports blocked cavity plug