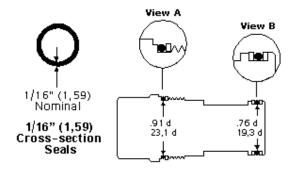


MODEL 990-003-002 Series 2 - T-3A cavity and T-5A cavity, Polyurethane cartridge seal kit

SERIES 2 / CAVITY: T-3A & T-5A



snhy.com/990-003-002



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	В
500-202-020	O-Ring	1	Α
540-002-018	Backup Ring	2	В
540-002-020	Backup Ring	1	Α
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-3A. 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?

- NOEB 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
 RQGB Kick-down, pilot operated, balanced piston relief valve
 XCCA All ports blocked cavity plug