

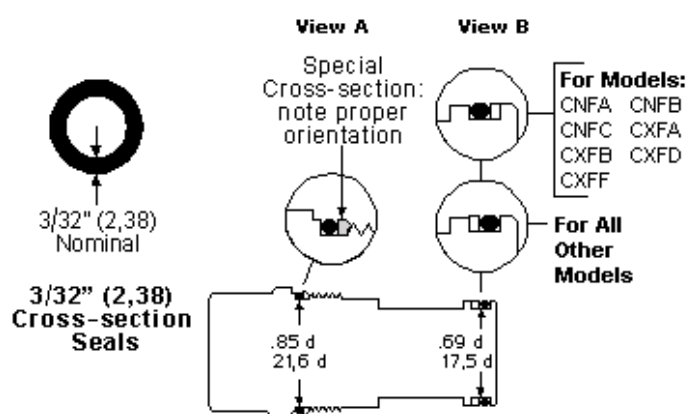
Series 2 - T-3A cavity and T-5A cavity, Viton, cartridge seal kit

Model:

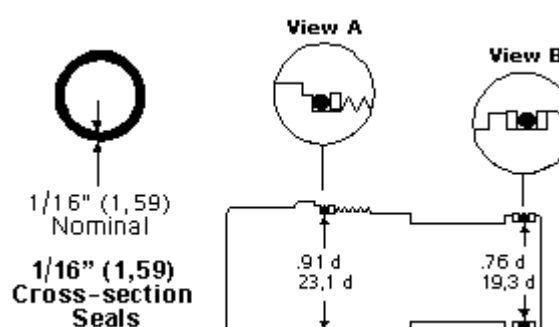
990-003-006 (containing 990-103-006 and 990-203-006)

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 both Buna-N and Viton. 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.

Picture 1: 990-103-006



Picture 2: 990-203-006



Technical Features

- 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.
- The shelf life for this cartridge seal kit is twenty years from date of purchase. This date will be printed on the kit packaging.

Cartridge Installation Data

	U.S. Units	Metric Units
Cavity	T-3A & T-5A	
Cartridge Thread	1"-14 UNS	
Valve Hex Size	1 1/8 in.	28,6 mm
Valve Installation Torque	45 - 50 lbf ft	60 - 70 Nm

What models can this kit be used on?

990-003-006	CXEC	CXFHZ	FQEA	NCEA	NQEB	RPGB	RPGS8
CNEC	CXED	DFDA	FXDA	NCEB	NQED	RPGC	RQGB
CNFA	CXFA	DFDB	FXDA8	NCEC	RBAA	RPGC3	SCEB
CNFB	CXFB	FCAB	LRFE	NFDB	RBAB	RPGC8	XCCA
CNFC	CXFD	FCDB	LRGE	NFDC	RCFB	RPGD	XCOA
CXEB	CXFF	FDCB	LRGE8	NFDD	RGFA	RPGE	XDCB
	CXFG	FLFA	NBFA				

990-103-006**Display Components**

	Description	Quantity	View (picture 1)
500-102-115	O-Ring	1	B
500-102-117	O-Ring	1	A
525-002-115	Backup Ring	1	B
550-004-002	Backup Ring	1	A
999-019-011	Literature	1	

990-203-006**Display Components**

	Description	Quantity	View (picture 2)
500-101-018	O-Ring	1	B
500-102-020	O-Ring	1	A
515-102-018	Backup Ring	2	B
515-102-020	Backup Ring	1	A
999-019-021	Literature	1	

Instructions/Notes

- Install back-up rings and O-rings as shown in 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.