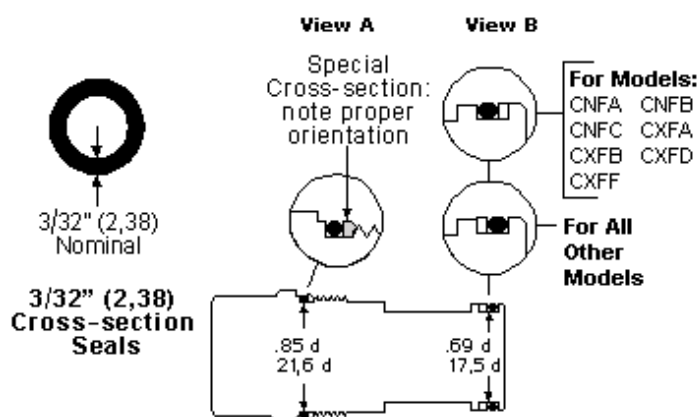


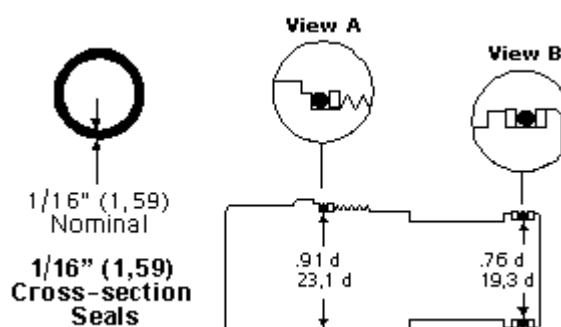
Series 2 - T-3A cavity and T-5A cavity, buna-N, cartridge seal kit

Model:
990-003-007 (containing 990-103-007 and 990-203-007)

Picture 1: 990-103-007



Picture 2: 990-203-007



Technical Features

- The shelf life for a Buna-N 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.

Cartridge Installation Data

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

What models can this kit be used on?

	CXEC	CXFHZ	FQEA	NCEA	NQEB	RPGB	RPGB8
990-003-007	CXED	DFDA	FXDA	NCEB	NQED	RPGC	RQGB
CNEC	CXFA	DFDB	FXDA8	NCEC	RBAA	RPGC3	SCEB
CNFA	CXFB	FCAB	LRFE	NFDB	RBAB	RPGC8	XCCA
CNFB	CXFD	FCDB	LRGE	NFDC	RCFB	RPGD	XCOA
CNFC	CXFF	FDCB	LRGE8	NFDD	RGFA	RPGE	XDCB
CXEB	CXFG	FLFA	NBFA				

990-103-007**Display Components**

	Description	Quantity	View (picture 1)
500-002-115	O-Ring	1	A
525-002-115	Backup Ring	1	A
550-004-002	Backup Ring	1	B
500-002-117	O-Ring	1	B
999-019-037	Literature	1	

990-203-007**Display Components**

	Description	Quantity	View (picture 2)
500-001-018	O-Ring	1	B
515-002-018	Backup Ring	2	B
500-002-020	O-Ring	1	A
515-002-020	Backup Ring	1	A
999-019-038	Literature	1	

Instructions/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.