

**PFA / FEP LINED BALL CHECK VALVE
INSTALLATION, OPERATION &
MAINTENANCE MANUAL**

REF. NO.	LBTS 0002	02
		REV. NO.
DATE	06 DEC 2006	
SHEET	01	OF 02



FOREWARD

THIS IS A GENERAL INSTRUCTION ON INSTALLATION, INSPECTION AND MAINTENANCE OF BDK'S PFA / FEP LINED BALL CHECK VALVE.

THE UNIQUE FEATURES OF LINED BALL CHECK VALVE, SUCH AS PERFECT SEALING, AND OTHER EXCELLENT PERFORMANCE WILL BE EFFECTED ONLY THROUGH PROPER MAINTENANCE IN ACCORDANCE WITH THIS INSTRUCTION MANUAL.

STORAGE

VALVES ARE GENERALLY WRAPPED AND ARE PROTECTED FROM DAMAGE DURING SHIPMENT. THIS WRAPPING AND PROTECTION SHOULD BE LEFT IN PLACE UNTIL THE VALVE IS INSTALLED. PRECAUTION SHOULD BE TAKEN TO AVOID ENTRY OF SEDIMENTATION OF GRIT, DIRT AND OTHER FOREIGN PARTICLES ON SEATING AND SEALING SURFACES, FLANGE FACE OF THE VALVE.

INSTALLATION

1. VALVE IS SUITABLE FOR MOUNTING IN VERTICAL DIRECTION ONLY ; THE ARROW MARK ON THE BODY SHOWING UPWARDS.
2. PRIOR TO INSTALLATION, PIPELINES SHOULD BE THOROUGHLY FLUSHED, CLEANED FREE FROM WELD SLUGS, RUST, SCALE AND OTHER DUST INSIDE PIPINGS AND ON FLANGE SURFACES.
3. PIPELINES SHOULD BE ALIGNED PROPERLY SO THAT PIPELINE WEIGHT AND STRESSES ARE NOT TRANSFERRED TO THE VALVE.
4. THE VALVE SHOULD BE THOROUGHLY CLEANED AT FLOW PASSAGE, BEFORE INSTALLATION.

INSPECTION & MAINTENANCE

1) PERIODIC INSPECTION

- a) ANNUAL INPECTION SHOULD BE MADE TO CHECK UP VALVE BALL BODY AND END PIECE. IF WORN OR PITTED, SUBSTITUTE WITH NEW ONES.
- b) IF THE VALVE IS LEAKING AT THE BOLTED JOINTS, TIGHTEN THE BODY STUD & NUTS, UNIFORMLY SO THAT THE LEAK IS ARRESTED.

2) UNUSUAL CASE

IF SOMETHING UNUSUAL IS NOTICED, PLUGGING OR DAMAGE OF LINING CAN BE SUSPECTED. IN SUCH A CASE, THE BALL MUST BE REMOVED AND CAUSES INVESTIGATED.

DISASSEMBLY

1. REMOVE THE STUD (04) & NUTS (05) FROM THE BODY (01) AND END PIECE (02).
2. SEPARATE THE BODY (01) & END PIECE (02) REMOVE THE BALL (03).

ASSEMBLY

FOLLOW THE REVERSE SEQUENCE OF THE DISASSEMBLY

PREPARED BY :

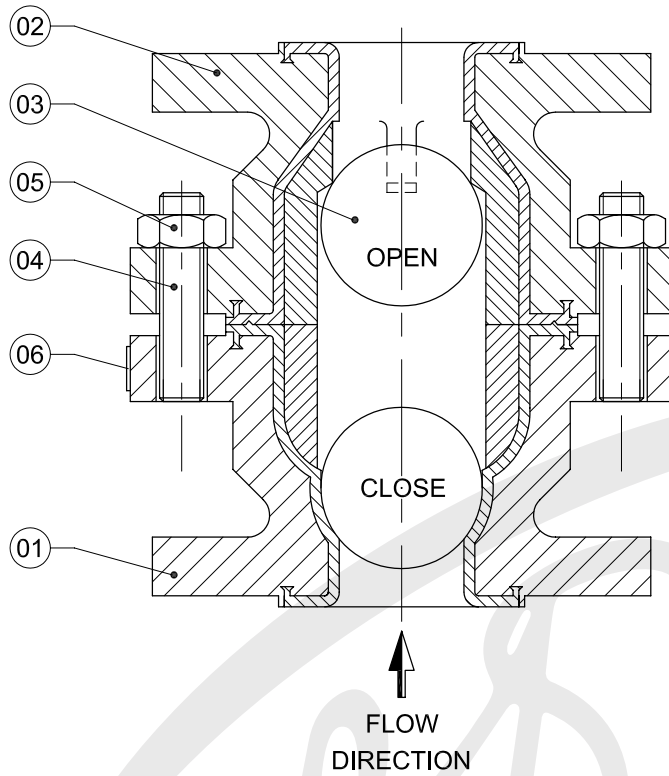
APPROVED BY :

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SCHEMATIC SKETCH AND PART NAME



PT. NO.	PART NAME	QTY.
01	BODY	01
02	END PIECE	01
03	BALL	01
04	STUDS	01 SET
05	NUTS	01 SET
06	NAME PLATE	01

NO SPARE PARTS RECOMMENDED.

PREPARED BY :

APPROVED BY :