



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	SHXX-0301A	SHELL
2	1	SEE TABLE D	SEE TABLE D
3	1	P-102	PISTON
4	1	PLN-102	POPPET LOCKNUT
5	1	SEE TABLE-A	FLUID PORT
6	1	LN10-XH	LOCKNUT
7	1	SP10-03X	SPACER
8	1	MB10-2	METAL BACKUP
9	1	OR10-#	O-RING
10	1	ORB10-#	BACKUP RING
11	1	AR10-X#H	ANTI EXTRUSION RING
12	1	SPR-102	SPRING
13	1	PO-102	POPPET VALVE
14	1	BP-04-XNA	BLEEDER PLUG
15	1	NP10-03	NAME PLATE
16	1	JN04-BX	JAMNUT
17	1	GV3K-S01	GAS VALVE
18	1	PC04-BX	PROTECTION CAP

TABLE - A: FLUID PORT OPTIONS		
PART NUMBER	FLUID PORT CONNECTION	DIM "C"
FP10-NEXH	1-1/4" NPT	3-1/2"
FP10-NGXH	2" NPT	3-1/2"
FP10-SLXH	1-7/8" SAE	3-1/2"
FP10-FAXH	2" CODE 61 SAE FLANGE	3-1/2"
FP10-FEXH	1" CODE 61 SAE FLANGE	5"
FP10-FD3H	1-1/2" CODE 62 SAE W/ SUBSEAL	6-1/2"
FP10-FH3H	1-1/2" SAE CODE 62 DUAL SEAL	5-1/2"
FP10-FBXX	1-1/2" CODE 62 SAE FLANGE	4-1/2"
FP10-BHXX	2" BSP	3-1/2"
FP10-FFXX	1" SAE CODE 62	5"
FP10-NTXX	2" NPTF DRY SEAL	3-1/2"
FP10-SHXX	1-1/16" SAE	3-1/2"
FP10-SJXX	1-5/16" SAE	3-1/2"

"#"-INDICATES ELASTOMER
 "X"-CHANGE BASED ON THE MATERIAL TYPE
 "XX" - INDICATES CHANGES WITH CAPACITY

TABLE B SHELL	
PART NUMBER	ELASTOMER
SH10-0301A	2.5 GALLON
SH20-0301A	5 GALLON
SH37-0301A	10 GALLON
SH42-0301A	11 GALLON
SH57-0301A	15 GALLON

"XX"-INDICATES CHANGES WITH CAPACITY RANGING FROM 2.5GAL TO 15 GAL

TABLE C ACCUMULATOR SPECIFICATIONS	
SHELL	SA-372 CHROME MOLY CARBON STEEL, 3000 PSI
OTHER COMPONENTS	CARBON STEEL/ STAINLESS STEEL
FLUID PORT CONNECTION	SEE TABLE A
BLADDER	SEE TABLE D
EXTERNAL COATING	PRIMER. VARIES DEPENDS ON ASSEMBLY PART NUMBER
CERTIFICATION	ASME SECTION VIII DIV.1
MAX. ALLOWABLE WORKING PRESSURE (MAWP)	3000 PSI @ 200 F
MINIMUM MATERIAL DESIGN TEMPERATURE (MDMT)	-40 F

TABLE D BLADDER OPTIONS	
PART NUMBER	ELASTOMER
BLXX-032XNH	NITRILE (NBR)
BLXX-032XCH	LOW TEMP. NITRILE
BLXX-032XTH	EXTREME LOW. TEMP. NITRILE
BLXX-032XFH	FLOROCARBON (VITON)
BLXX-032XBH	BUTYL
BLXX-032XEH	EPR
BLXX-032XHH	HYDRIN

"XX"-INDICATES CHANGES WITH CAPACITY RANGING FROM 2.5GAL TO 15 GAL

TABLE E ASSEMBLY DETAILS			
ACCUMULATOR PART NUMBER	SIZE	DIM.A	DIM "B"
BA10-03-**-N-O-X-A	2.5 GALLON	21-1/2"	15-1/2"
BA20-03-**-N-O-X-A	5 GALLON	34"	28"
BA37-03-**-N-O-X-A	10 GALLON	55"	49"
BA42-03-**-N-O-X-A	11 GALLON	60"	54"
BA57-03-**-N-O-X-A	15 GALLON	78"	72"

"**"- INDICATES CHANGES WITH FLUID PORT CONNECTION
 - DIMENSION "A" IS BASED ON DIMENSION "C" LENGTH OF 3-1/2
 - DIMENSION "A" VARIES BASED ON THE FLUID PORT CONNECTION

NOTES:
 1. DIMENSIONS ARE FOR REFERENCE PURPOSE ONLY, MANUFACTURING TOLERANCES ARE NOT TAKEN INTO CONSIDERATION



REVISION HISTORY	
ECN #: 0053	DESCRIPTION: ADDED FP10-BHXX, FP10-FH3H, FP10-FFXX, FP10-NTXX, FP10-SHXX, FP10-SJXX; MDMT TEMPERATURE WAS -50F
CHANGE BY: VM	
APPROVED BY: RC	
DATE: 12/4/2018	

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Tolerance as shown Unless Otherwise Specified Dimensions are in inches (mm) (REMOVE ALL BURRS & SHARP EDGES)	THIRD ANGLE PROJECTION
.X ± 0.06 (1.5)	DRAWN BY: VM
.XX ± 0.01 (0.25)	DATE: 10/01/2014
.XXX ± 0.005 (.127)	CHECKED BY: RC
Angular ± 1/2°	DATE: 10/01/2014
Finish 125 RMS	APPROVED BY: RC
DATE: 10/01/2014	

TITLE: 2.5-15GAL BLADDER ACCUMULATOR 3000 PSI		PART NUMBER: SEE TABLE E		SHEET 1 OF 1	
DRAWING NUMBER: MBA-001		REV C			