



DESIGN SPECIFICATIONS

PRESSURE: 100 psi
689 kPa

TEMPERATURE: 650°F
343°C

PRESSURE (EXTERNAL): 0.0 psi
HYDROTEST PRESSURE: 130 psi
896 kPa

SHELL:
MATERIAL: SA-516-70
ALLOW. STRESS: 18800 psi
JOINT EFF.: 0.70
CRSN. ALLOW.: 0.125"
NOM. THKS.: 0.375"

HEAD:
TYPE: F&D
DISH. RAD: 42"
I.K.R.: 2-7/8"
MATERIAL: SA-516-70
ALLOW. STRESS: 18800 psi
HEAD EFF.: 0.85
CRSN. ALLOW.: 0.125"
NOM. THKS.: 7/16"
MIN. THKS.: 0.375"

RADIOGRAPH: NO
P.W.H.T.: NO
AUTH. INSPECTOR: YES
ASME SEC. VIII, DIV. 1: 2007
HEAT No. REQ'D: YES

0.1/SER. No.:
C.R.N.:

MATERIAL SPECIFICATIONS
MANHOLE COVER: SA-516-70
MANHOLE COLLAR: SA-106-C
PIPE: SA-106-B
COUPLING: SA-105
FLANGE: SA-105
REINF. PLATE: N/A
BOLT: N/A
STUD: N/A
NUT: N/A
GASKET: RED RUBBER

CAPACITIES
VOLUME: 400 l.g.
1816 ltrs.
WEIGHT: 1600 lbs. Empty
727 kg. Empty

FINISH
INTERIOR: AS WELDED
EXTERIOR: RED PRIMER

TOLERANCES
U.N.O.
X" ± 1/2"
X 1/2" ± 1/4"
X 1/4" ± 1/8"
X 1/8" ± 1/16"
X 1/16" ± 1/16"

DESIGN SPECIFICATIONS			BILL OF MATERIALS		
KEY	ITEM NO.	QTY	DESCRIPTION	DWG. NO.	
1		2	Head: 48" O.D. Flanged & Dished		
2		1	Shell: 48" O.D. x 49-3/4" Wide		
A		1	Pipe: 10" Std. c/w (2) 10" Std. Pipe Cap	See Note 9	
A.1		1	Pipe: 1-1/2" Sch.160 c/w M.N.P.T.		
C05	CPHT100300XU	1	Coupling: 1" F.N.P.T. 3000# Half		
C08	CPHT200300XU	1	Coupling: 2" F.N.P.T. 3000# Half		
C16	CPPT075600XU	1	Coupling: 3/4" F.N.P.T. 6000# Full		
C20	CPFT200300XS	2	Coupling: 2" F.N.P.T. 3000# Full (S.S.)	See Note 10	
N03		1	Pipe: 3" Sch.80 c/w 150# R.F.W.N. Flange		
N04		1	Pipe: 4" Sch.120 c/w 150# R.F.W.N. Fig.	Vent	
LD		1	Pipe: 4" Sch.80 c/w 150# R.F.W.N. Flange	Loop Drain	
LL2	LLT0500750C	2	Lift Lug: 1/2" Thk.		
LG3	SKTA336250XC	1	Skirt c/w Qty. 3, Base Plates		
M01		1	Manway c/w 600# Cover, Gasket & Yoke		
NP	NMPN300463XB	2	Nameplate		
	BKPL300055XC	2	Nameplate Bracket		

Reference:
This drawing supersedes drawing PB4693
See drawing PA4820 for Base Layout

REVISIONS	DESCRIPTION	BY	DATE
MK			



A DIVISION OF CLEMMER STEELCRAFT TECHNOLOGIES INC., WATERLOO, ONTARIO

DESCRIPTION: 48" O.D. Vert. Blowdown Vessel

CUSTOMER: Utilities Optimized

PROJECT:

ITEM NO.: BHR-48HM

DRN.: RG Dec 04/07 SCALE: 1:20

DWG. NO.: PB4819

