



- NOTES**
- 1 - 1" ON CIRC. = 0.31416"
  - 2 - ALL DIMENSIONS ARE IN INCHES [MILLIMETRES IN BRACKETS] TOLERANCE: COUPLING LOCATION +/- 1/16" FLANGE LOCATION +/- 1/8" HOLD DIMENSION +/- 1/16"
  - 3 - M.D.M.I. -20F. @ 100 PSI IMPACT TESTING IS EXEMPT PER US-20(1).
  - 4 - THIS VESSEL IS DESIGNED WITH SUPERIMPOSED STATIC, DYNAMIC, OR CYCLIC REACTIONS DUE TO EQUIPMENT OR MECHANICAL LOADING, OR PRESSURE OR THERMAL VARIATIONS = 0 LBS.
  - 5 - THIS VESSEL IS DESIGNED WITH THERMAL, MECHANICAL, CYCLICAL, PRESSURE, OR FLUID SHOCK LOADINGS = 0 LBS.
  - 6 - LUGS/SUPPORT MATERIAL: G40.21-44W.
  - 7 - WELDING PROCEDURE: CIL-WP-1.
  - 8 - MANWAY C.R.N.: #0H7379.5C
  - 9 - PIPE CAP MATERIAL: SA-234-WPB TO B16.9
  - 10 - COUPLING MATERIAL FOR "C20" TO BE SA-182-F304 TO B16.11
  - 11 - THIS VESSEL IS DESIGNED TO CONTAIN A NON-LETHAL GAS VAPOUR OR A NON-LETHAL LIQUID

Skirt: Material: A36 or Better  
 28" O.D. x 0.177" Thk.  
 c/w (3) Base Plates 3/8" Thk. x 5" x 8"  
 with 1-1/8" Hole on a 24-3/4" B.C.D.

**DESIGN SPECIFICATIONS**

PRESSURE:	100 psi 689 kPa
TEMPERATURE:	650°F 343°C
PRESSURE (EXTERNAL):	0.0 psi
HYDROTEST PRESSURE:	130 psi 896 kPa
<b>SHELL:</b>	
MATERIAL:	SA-516-70
ALLOW. STRESS:	18800 psi
JOINT EFF.:	0.70
CRSN. ALLOW.:	0.125"
NOM. THKS.:	0.375"
<b>HEAD:</b>	
TYPE:	F&D
DISH. RAD:	30"
I.K.R.:	2-5/16"
MATERIAL:	SA-516-70
ALLOW. STRESS:	18800 psi
HEAD EFF.:	0.85
CRSN. ALLOW.:	0.125"
NOM. THKS.:	7/16"
MIN. THKS.:	0.375"
<b>RADIOGRAPH:</b>	NO
P.W.H.T.:	NO
AUTH. INSPECTOR:	YES
ASME SEC. VIII, DIV. 1:	2007
HEAT No. REQ'D:	YES
O.I./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:	150 l.g.
	681 lts.
WEIGHT:	900 lbs. Empty
	409 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"

**BILL OF MATERIALS**

KEY	ITEM NO.	QTY	DESCRIPTION	DWG. NO.
1		2	Head: 36" O.D. Flanged & Dished	
2		1	Shell: 36" O.D. x 33-3/4" 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.80 c/w 150# R.F.W.N. Flange	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	SKTA280000XC	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 PB4694  
 See drawing PA4820 for Base Layout

REVISIONS	DESCRIPTION	BY	DATE
MK			

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DESCRIPTION: 36" O.D. Vert. Blowdown Tank

CUSTOMER: Utilities Optimized

PROJECT:

ITEM NO.: BHR-36HM

DRN.: RG Dec 03/07 SCALE: 1:15

JOB NO.:

DWG. NO.: PB4817

