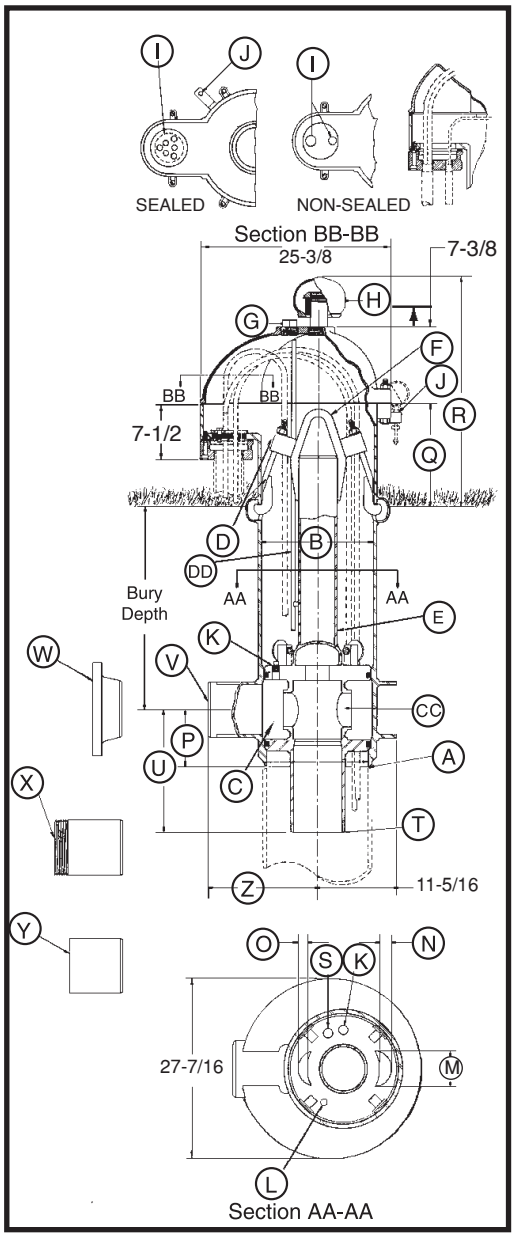
16” CUSTOM PITLESS SPECIFICATIONS



Note: Pitless units conform to the Recommended Standards for Water works, Great Lakes Upper Mississippi River Board of State Public Health & Environmental Managers and Water Systems Council PAS-97 (04) Standards.

A **Pitless Unit to well casing connection:** Chamfered for butt weld.
B **Pitless Unit with Black Upper Case:** 17-1/4 in. I.D., 18 in. O.D.
C **Discharge Body minimum I.D. 15-1/4”:** Large enough to permit insertion of 16 in. O.D. tubing to this point for well servicing.
D **Hold-Down Mechanism:** Locks spool in place and prevents lifting and turning during pump start-up. Four adjustable hooks on lift-out pipe hook into side of pitless case.
DD Probe Tube Standard 1 in. PVC Pipe.
E **Lift-Out Pipe:** 5 in. NPT with standard lift-out bail.
F **Lift-Out Bail:** Lift-out pipe and bail assembly designed for a 110,000 lb. load.
G 2 in. NPT Tapping.
H **Well Vent:** Screws into a 2-1/2 in. NPT Tapping.

CAP CABLE SEALS (SECTION BB-BB)

I **Conduit Tapping:** 2 in. and 1 in. Std. Also available with single 2 in., 3 in., or 4 in. NPT. All tapping sizes available with or without electrical cable seal.
J **Depth Tester Block Tappings:** 1/4 in. NPT. Std.
K Two 1 in. NPT Tappings ported to Drop Pipe.
L **Pressure zone tapping:** 3/8 in. NPT Std.

MOTOR CABLE PASSAGES THROUGH SPOOL (SECTION AA-AA)

M 5 in.
N 2-1/4 in.
O 1-1/4 in.
P **Dimension from center of Discharge Outlet to bottom of Discharge Body:** 11-1/16 in.
Q **Distance from ground level to top of the pitless case:** 12 in.
R **Distance from ground level to top of the vent cap:** 28-1/4 in. (Vent Height may be increased if necessary).
S **3/4 in. NPT Tapping:** used for optional Water Sampler.

T	**SPOOL TO DROP PIPE THREAD SIZES:**	**5 in. NPT**	**6 in. NPT**	**8 in. NPT**
U	Dimension from center of discharge outlet to bottom of Spool:	16-1/4 in.	21-7/8 in.	15-13/16 in.
	DISCHARGE CONNECTIONS AND SIZES:			
V	For Butt Weld (IPS):	5 in. I.D.	6 in. I.D.	8 in. I.D.
W	For Flanged (A.S.A. Std. 150 lb.):	5 in. I.D.	6 in. I.D.	8 in. I.D.
X	For Threaded (NPT):	5 in. I.D.	6 in. I.D.	8 in. I.D.
Y	For Transition Sleeve (IPS):	5 in. I.D.	6 in. I.D.	8 in. I.D.
Z	Dimension from center of Well Casing to the end of Discharge Outlet.			
	With [**V**] Butt Weld Discharge:	23 in.	23 in.	17 in.
	With [**W**] Flanged Discharge:	26-1/2 in.	26-1/2 in.	21 in.
	With [**X**] Threaded Discharge:	26 in.	27 in.	21 in.
	With [**Y**] Transition Sleeve:	Not Available	35 in.	29 in.
CC	**SPOOL ASSEMBLY - WITHOUT CHECK VALVES -**			
	Area of Water Passage(s):	19.6 sq. in.	39.2 sq. in.	39.2 sq. in.
	Percent area of water passages to area of drop pipe	100%	138%	78.2%

COMPONENT MATERIALS

Well Vent - cast iron, green enamel finish.
Cap - cast iron, green enamel finish.
Conduit Box - steel, corrosion resistant coating.
Electrical Cable Seal - cast iron, green enamel finish.
Combination Hold-Down & Lift-Out Mechanism - lead free galvanized.
Hold-Down Pipe - steel, corrosion resistant coating.
Pitless Case - steel, corrosion resistant coating.
Discharge Body - steel, lead free galvanized.
Spool - steel, lead free galvanized.
Probe Tube - 1” PVC
NOTE: Any combination between Drop Pipe and Discharge Outlet size is possible, if required.
NOTE: Maximum rated discharge pressure = 300 PSI