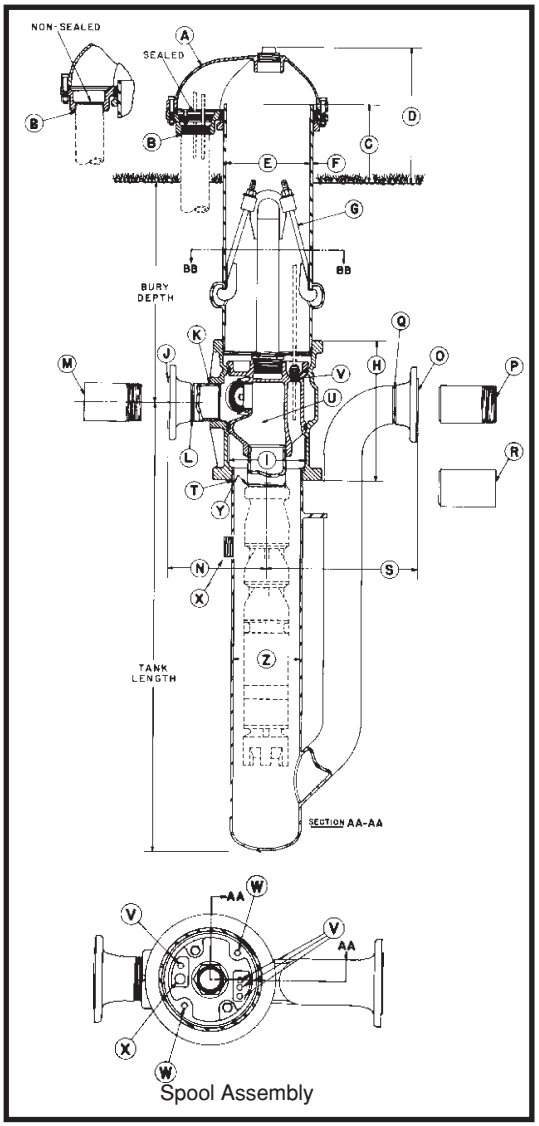
8” PITLESS BOOSTER SPECIFICATIONS



Spool Assembly

A Seal Cap: The watertight cap bolts to a compression seal ring securing around the pitless casing.
B Conduit Tapping Size (Standard): ..... 3” NPT
Watertight conduit seals for most common cable sizes are available.
C Distance from ground level to top of Pitless Case ..... 12 in.
D Distance from ground level to top of Well Cap ..... 18-7/8 in.
E Pitless Case Size ..... 10 in.
F Pitless Case wall thickness ..... .365 in.
G “Hold Down-Lift Out Assembly”: positions & clamps spool to Discharge Body to prevent rotation during pump start up
Hold-Down, Lift-Out Pipe size: ..... 2”
Designed “Lift-Out” assembly load: ..... 15,000 lbs.
H Discharge Body Size: ..... 14-1/8 in. O.D.x 13-1/2 in. long
I Pitless Unit minimum I.D.: ..... 9-1/8 in.

DISCHARGE CONNECTIONS AND SIZES

J For Flanged (ASA Std. 150 lbs.): ..... 4 in. I.D.
K For Threaded Nipple (NPT): ..... 4 in. I.D.
L For Butt Weld (IPS): ..... 4 in. I.D.
M For Transition Sleeve (IPS): ..... 4 in. I.D.
N Dimension from center of Booster Unit to end of discharge outlet.
With **J** Flanged Discharge: ..... 12 in.
With **K** Threaded Discharge: ..... 6-15/16 in.
With **L** Welded Discharge: ..... 9 in.
With **M** Transition Discharge: ..... 20 in.

INLET CONNECTIONS AND SIZES

O For Flanged (ASA Std. 150 lbs.): ..... 4 in. I.D.
P For Threaded Nipple (NPT): ..... 4 in. I.D.
Q For Butt Weld (IPS): ..... 4 in. I.D.
R For Transition Sleeve (IPS): ..... 4 in. I.D.
S Dimension from center of Booster Unit to end of Inlet Connection.
With **O** Flanged Inlet: ..... 18-3/16 in.
With **P** Threaded Inlet: ..... 18-3/16 in.
With **Q** Welded Inlet: ..... 15-3/16 in.
With **R** Transition Inlet: ..... 27 in.
T Discharge Body to tank pipe connection: ..... Welded
U SPOOL ASSEMBLY
Spool design load: ..... 88,000 lbs.

- WITHOUT CHECK VALVES -

Area of water passages: ..... 15.8 sq. in.
Percent area of water passages to area of Drop Pipe: 124%

- WITH TWO CHECK VALVES -

Area of valve passages: ..... 12.6 sq. in.
Percent area of valve passages to area of Drop Pipe: 100%
V Motor Cable tappings through spool (w/cable connectors): ..... (4) 1/2 in. NPT
Maximum allowable ..... (6) 1/2 in. NPT
W Tapping into Pressure Zone: ..... 3/8 in. NPT
(Furnished with square head plug)
X Tapping into Suction Zone ..... 1 in. NPT
(Furnished with square head plug)
Y Spool to drop pipe nipple connection: ..... 4 in. NPT
Z Tank Pipe Size: ..... 8 in. I.D.

COMPONENT MATERIALS

Cap & Conduit Box - Cast iron,Green enamel finish.
Combination Hold-Down & Lift-Out Mechanism - lead free galvanized
Hold-Down Pipe - Steel, corrosion resistant coating.
Pitless Case - Steel, black corrosion resistant coating.
Spool - Cast iron, lead free galvanized.
Discharge Body - Ductile or Cast Iron, lead free galvanized.
Check Valve Body & Arms - Brass.
Check Valve Seat - Brass.
Check Valve Spring - Monel.
Compression Seal Ring & Check Valve Facing - Neoprene.
Conduit Seal & O-Rings - Neoprene.
Tank & Inlet Pipes - Steel, black corrosion resistant coating.
NOTE: Inlet pipe & tank pipe tested to 200 P.S.I., spool discharge pressure tested to 300 P.S.I.

Specifications subject to change without notice