

# Z1396XL Yard Hydrant



## 3/4" Hose Connection

The information provided is presented in two ways; chart and graph form. Once the hydrant and proper hose connection is established, all of the information can be obtained through the corresponding graph.

Choose a Static Inlet Pressure on the graph. Next draw a vertical line from this point until an intersection is made with the curve. Drawing a horizontal line from this intersection to the left axis will give the corresponding Running Inlet Pressure. The values listed above the curve indicate the Pressure Drop Across the Unit, and the values below the curve list the Flow Rate of the unit.

Note: All data was collected with the hydrant opened to its full capacity.

Example: At a static pressure of 27 psi, it can be found that the running inlet pressure of the unit is approximately 19.2 psi. The flow rate of the unit is between 9.0 and 11.4 gpm (approximately 10.7 gpm) and the pressure drop across the unit is between 11.2 and 17.6 psi (approximately 15.7 psi).



Z1396XL Yard Hydrant – 3/4" Hose Connection				
Static Pressure (psi)	Running Inlet Pressure (psi)	Running Outlet Pressure (psi)	Flow Rate (gpm)	Pressure Drop Across Unit (psi)
10	5.4	0.2	5.8	5.2
20	13.3	2.1	9.0	11.2
30	21.7	4.0	11.4	17.6
40	30.5	6.3	13.5	24.3
50	39.0	8.4	15.3	30.6
60	45.7	10.2	16.6	35.6
70	58.1	13.3	18.7	44.8
80	65.8	15.5	19.9	50.4
90	72.8	17.5	20.9	55.3

