

KYPipe, LLC

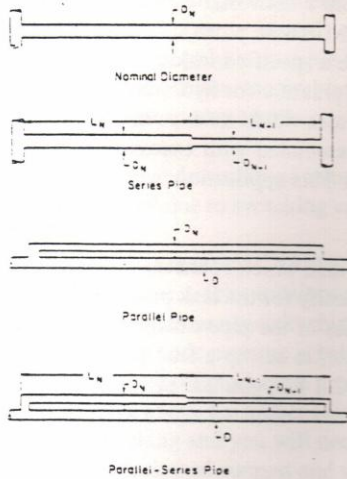
# Figure from KYPipe Reference Manual Appendix

Original Manual date April 1995 - Imaged December 2011

Jana  
[Pick the date]

APPENDIX VII SIZE Program

In Section 8 four alternatives were noted for determining pipe diameters utilizing results which do not represent available diameters. These alternatives are listed below and depicted in a schematic. Not all of these alternatives are feasible for some situations.



1. Select the next largest nominal diameter.
2. Determine the length of sections of a series pipe of the next smallest and next largest nominal pipe equivalent to the calculated diameter, D.
3. Determine the smallest nominal diameter of a pipe parallel to the original pipe which provides a capacity equal or greater than  $D_c$ .
4. Determine lengths of a series pipe installed parallel to the original pipe with a capacity equal to  $D_c$ .

A program called SIZE is provided to enable you to evaluate these options for a particular result. This program selects diameters from a table of available diameters for the alternative designs. You can add or delete items from this table. You then provide required basic data and the calculations are carried out. An example run is shown below for the first results obtained with Example 5C.

To access SIZE get the DOS prompt and type SIZE or select Other from the menu and select SIZE. You then respond to screen prompts as shown.

\*\*\*\*\* TABLE OF NOMINAL DIAMETERS \*\*\*\*\*

1.00	2.00	3.00	4.00	6.00
8.00	10.00	12.00	14.00	15.00
16.00	18.00	21.00	24.00	30.00
36.00	42.00	48.00	60.00	72.00
84.00	96.00			

DO YOU WANT TO A) DD OR D) ELETE A DIAMETER OR C) ONTINUE

Enter Data to Carry Out Pipe Diameter Calculations

Original Length = ? 2100  
 Original Diameter = ? 10  
 Original C Value = ? 120  
 Design C Value = ? 130  
 Calculated Diameter = ? 11.67

\*\*\*\*\* PIPE SIZE ANALYSIS \*\*\*\*\*

design	DC	calc. diameters			series pipe		parallel pipe			(parallel-series)	
		DA	DN	DN-1	LN	LN-1	DC	DN	DN-1	LN	LN-1
130	11.67	11.32	12.00	10.00	1618	482	7.45	8.00	6.00	2100	284

Do you want to do another case (Y or N)? N