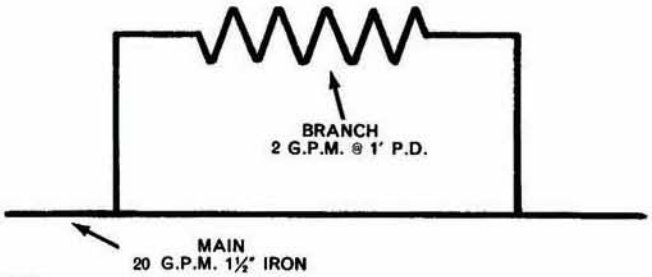
Bell & Gossett
a xylem brand

GUIDELINES
GHS-619B

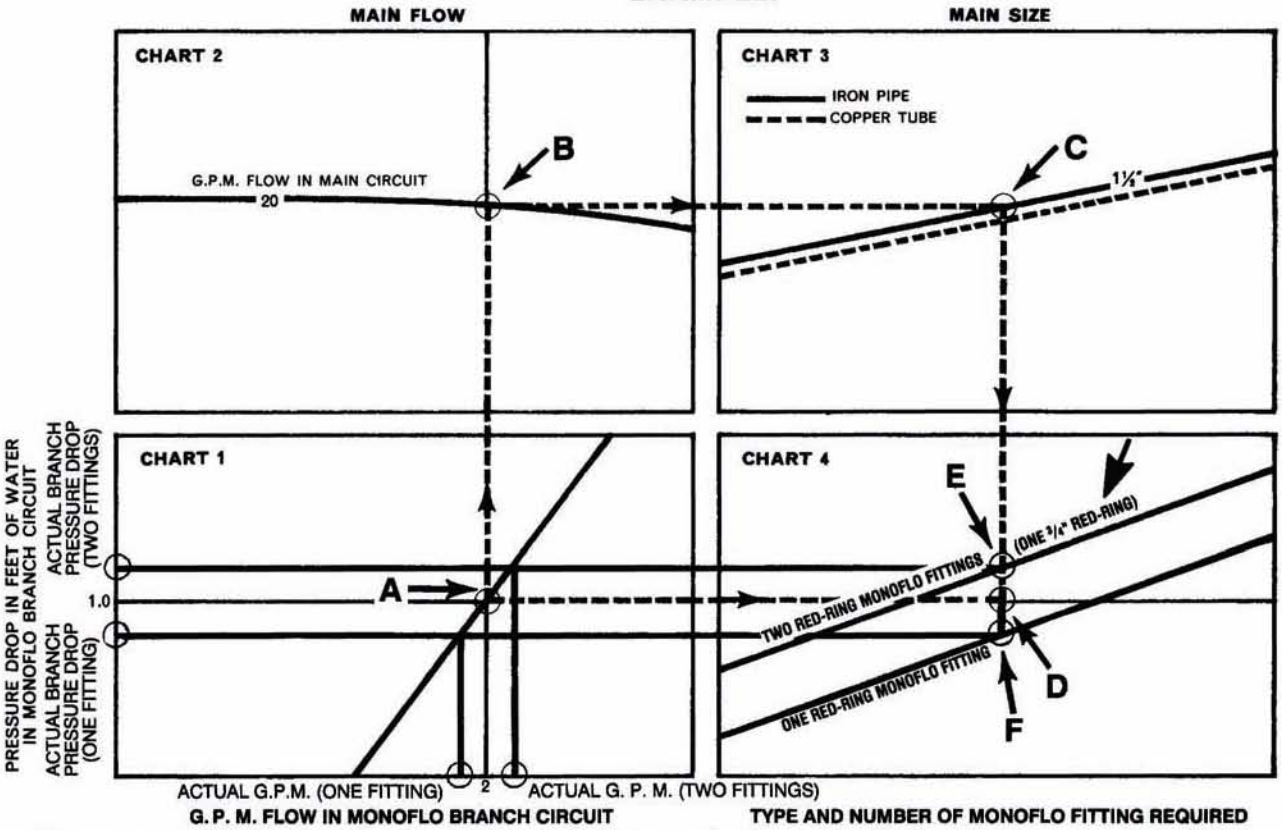
Bell & Gossett® Monoflo Fitting Section Chart

Introduction

The B&G Monoflo Fitting Selection Chart is a specially engineered graphical method of Monoflo fitting selection. It represents a major advance permitting rapid and precise selection of the proper Monoflo fitting combination necessary to accommodate a wide range of side branch flow and pressure drop conditions.



EXAMPLE:



How to use the Monoflo Selection Chart – refer to actual charts on reverse side.

Step 1
The Monoflo fitting selection begins in Chart #1 where the side branch required flow and pressure drop are plotted. This point will be designated "A". If the original selection "A" in Chart #1 doesn't fall on a diagonal line, draw a line through "A" parallel to the diagonal lines.

Step 2
From point "A" run vertically upward to the intersection with the main flow rate in Chart #2 (20 GPM for the example). This point will be designated "B".

Step 3
From point "B" run horizontally to the intersection with the main pipe size in Chart #3 (1½ iron pipe for the example). This point will be designated "C".

Step 4
From point "C" run vertically down to Chart #4. From point "A" run horizontally to Chart #4. The intersection of these lines will be designated point "D".

Step 5
Select the Monoflo fitting or combination which is designated by the first diagonal line above point "D". The proper selection for the example is two Red Ring fittings. The intersection of these lines will be designated point "E". If only one Red Ring fitting is desired, select the diagonal below point "D". The intersection of these lines will be designated point "F".

Step 6
For two fittings, from point "E" run horizontally to the original diagonal line developed in Chart #1. To read the actual GPM flow in the Monoflo branch circuit, go down vertically from the intersection of these lines and read the flow on the x-axis. For one fitting, from point "F" run horizontally to the original diagonal line. To read the actual GPM flow in the Monoflo branch circuit, which will be less than with two fittings, go down vertically from the intersection of these lines and read. To find the actual pressure drop in the circuit continue horizontally from "E" or "F" to the intersection of the y-axis in Chart #1 and read.

B & G MONOFLO FITTING SELECTION CHART

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Let's Solve Water

Xylem Inc.
8200 N. Austin Avenue
Morton Grove, Illinois 60053
Phone: (847) 966-3700
Fax: (847) 965-8379
www.bellgossett.com