

Hole Cut Piping System



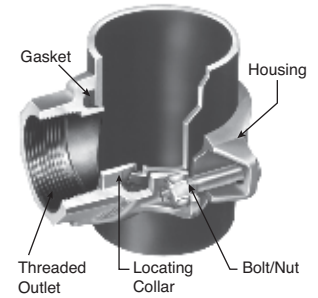
SEE VICTAULIC PUBLICATION 10.01 FOR DETAILS

The bolted mechanical branch connection concept was developed by Victaulic to provide a fast, easy mid-pipe outlet without welding. A hole is first cut or drilled in the pipe to receive the outlet. Positioning in the hole is enhanced with either a locating collar (Styles 920, 920N and 929) or a toe and heel (Styles 923 and 924) and provides a smooth outlet area for maximum flow characteristics.

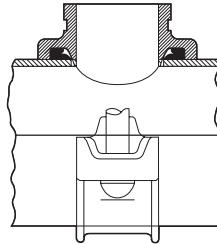
The gasket is molded to conform to the pipe O.D. and is of pressure-responsive design. Gasket seal is further enhanced by pressure or vacuum in the line.

Styles 920, 920N and 929 are ideal for a variety of branch connections. Styles 923 and 924 provide a weldless connection for a variety of gauges, drains and thermometers.

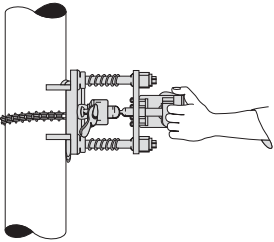
Victaulic hole cut products must be installed on the true centerline of the pipe. Vic Hole Cutting Tools are recommended for preparing pipe to receive all Victaulic hole cut products.



Provides a bolted branch connection



Locating collar assures permanent connection



Fast, easy preparation

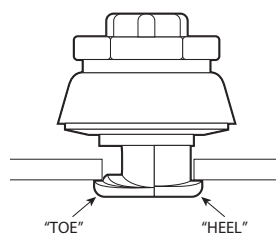


Combines for cross-type connection

VIC-LET™ STYLE 923 AND VIC-O-WELL™ STYLE 924



Weldless connection for gauges, drains, thermometers



Toe and heel engage inside of pipe



Easy one nut assembly



No welding – no special assembly tools

JOB/OWNER

System No. _____

Location _____

CONTRACTOR

Submitted By _____

Date _____

ENGINEER

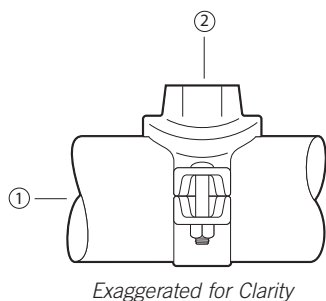
Spec Sect _____ Para _____

Approved _____

Date _____

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FLOW DATA



C_v values for flow of water at +60°F/+16°C are shown in the table below.

Flow test data has shown that the total head loss between points 1 and 2 for the Style 920, 920N and 929 Mechanical-T[®] fittings can best be expressed in terms of the pressure difference across the inlet and branch. The pressure difference can be obtained from the relationship at right.

Formulas for C_v Values:

$$\Delta P = \frac{Q^2}{C_v^2}$$

$$Q = C_v \times \sqrt{\Delta P}$$

Where:

Q = Flow (GPM)

ΔP = Pressure Drop (psi)

C_v = Flow Coefficient

Pipe Size		C_v/K_v Values	Equiv. Feet/ meters of Pipe		Pipe Size		C_v/K_v Values	Equiv. Feet/ meters of Pipe	
Nominal Diameter In./mm	Actual Outside Diameter In./mm			Female Threaded	Nominal Diameter In./mm	Actual Outside Diameter In./mm			Female Threaded
1/2 15	0.840 21.3	17 14.7	–	2.0 0.6	2 50	2.375 60.3	100 86.5	9.0 2.7	10.5 3.2
3/4 20	1.050 26.7	21 18.2	–	4.0 1.2	2 1/2 65	2.875 73.0	135 116.8	11.0 3.4	12.5 3.8
1 25	1.315 33.7	25 21.6	–	5.0 1.5	3 80	3.500 88.9	200 173.0	13.5 4.1	15.5 4.7
1 1/4 32	1.660 42.4	45 38.9	5.5 1.7	6.0 1.8	4 100	4.500 114.3	400 346.0	20.0 6.1	22.0 6.7
1 1/2 40	1.900 48.3	60 51.9	7.0 2.1	8.0 2.4					

STYLES 920 & 920N MECHANICAL-T[®] BOLTED BRANCH OUTLET

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Styles 920 and 920N



Style 920 Cross



Style 920 Threaded Outlet

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INSTALLATION

Reference should always be made to the I-100 Victaulic Field Installation Handbook for the product you are installing. Handbooks are included with each shipment of Victaulic products for complete installation and assembly data, and are available in PDF format on our website at www.victaulic.com.

WARRANTY

Refer to the Warranty section of the current Price List or contact Victaulic for details.

NOTE

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.



For complete contact information, visit www.victaulic.com

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