



Quality Products & Sales Inc

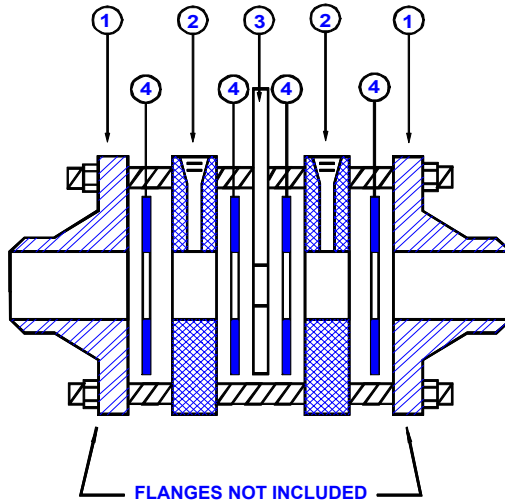
Orifice Metering Division

PO Box 7

Broken Arrow Ok 74013

Local #(918) 251-0115 * Watts #(800) 444-4634 * Fax #(918) 455-1982

150# ORIFICE HOLDING BLOCK UNIONS



- (1) PIPE FLANGES (NOT INCLUDED)
- (2) ORIFICE HOLDING BLOCKS
- (3) ORIFICE PLATE
- (4) NON-ASBESTOS GASKETS

STEP 1: SEPERATE FLANGES TO ALLOW FOR THE BLOCKS, PLATE AND GASKETS

STEP 2: INSTALL THE BOTTOM HALF OF THE STUDS THROUGH THE FLANGES AND HOLDING BLOCKS.

STEP 3: INSTALL THE GASKETS AND ORIFICE PLATE ON TOP OF THE STUDS AS SHOWN.

STEP 4: INSTALL THE REMAINING STUDS AND TIGHTEN ALL THE STUDS.

PIPE SIZE	BORE	OUTER DIAMETER	ORIFICE HOLDING BLOCK THICKNESS	CENTER OF TAP	PRESSURE TAP HOLE SIZE	PRESSURE TAP SIZE (FNPT)	DIAMETER OF BOLT CIRCLE	DIAMETER OF HOLES	NUMBER OF HOLES	SIZE OF STUDS
1	1.049	1.31	1.875	.937	.250	1/2"	3.12	.625	4	1/2 X 8-3/4
1-1/2	1.610	1.87	1.875	.937	.250	1/2"	3.87	.625	4	1/2 X 8-3/4
2	2.067	2.37	1.875	.937	.375	1/2"	4.75	.750	4	5/8 X 9-1/4
2-1/2	2.469	2.87	1.875	.937	.375	1/2"	5.50	.750	4	5/8 X 9-1/4
3	3.068	3.50	1.875	.937	.375	1/2"	6.00	.750	4	5/8 X 9-1/4
4	4.026	4.50	1.875	.937	.500	1/2"	7.50	.750	8	5/8 X 9-1/4
6	6.065	6.62	1.875	.937	.500	1/2"	9.50	.875	8	3/4 X 9-3/4
8	7.981	8.62	1.875	.937	.500	1/2"	11.75	.875	8	3/4 X 9-3/4
10	10.020	10.75	1.875	.937	.500	1/2"	14.25	1.00	12	7/8 X 9-3/4
12	12.000	12.75	1.875	.937	.500	1/2"	17.00	1.00	12	7/8 X 9-3/4

MATERIALS: Domestic A105 (C.S.) AND A182 (S.S.)

Other materials, styles and schedules available

HARDWARE:

Stud Bolts: A193 Gr. B7 Steel

Hex Nuts: A194 Gr. 2H Steel

Jackscrew: C1018 Hardened Square Head Screws

Pipe Plugs: Hex Head, Forged Steel

**Manufactured to meet
ASME SPECIFICATIONS**

Orifice Plates sold separate