



# Quality Products & Sales Inc

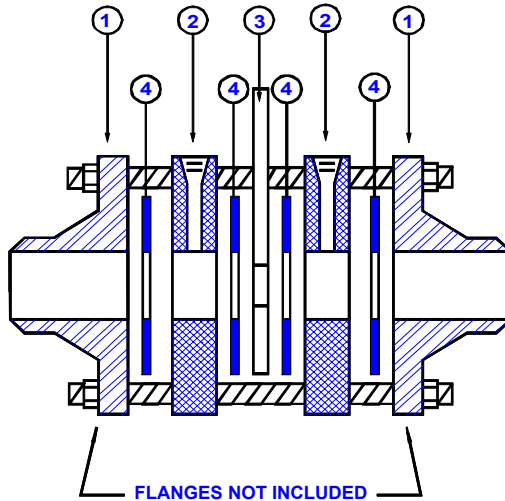
## Orifice Metering Division

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*