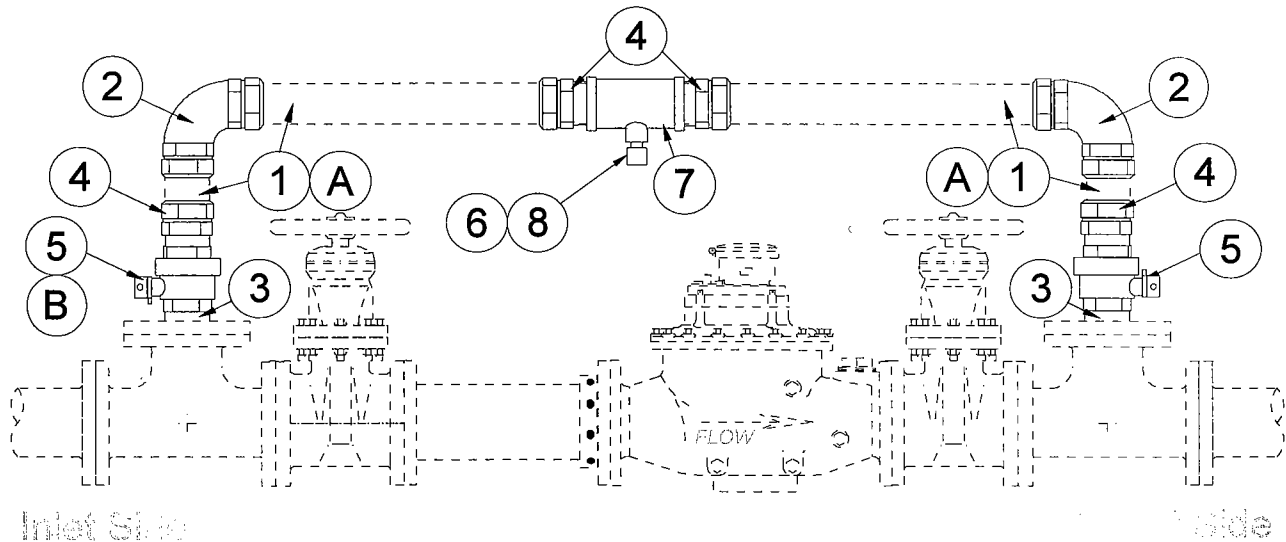


Water T&D Construction Standard

2" BY-PASS ASSEMBLY

APPLICATION: Commercial & Industrial water metering installations.



NOTES

- By-Pass valve shall have security device / barrel lock installed while in the closed position.
- Both gate valves and outlet side by-pass valve shall be left unsecured for customer ON /OFF operation.

(A) 2" Copper tubing is not provided in this assembly. It should be allocated when assembling entire meter set. Length of 2" copper tubing required will depend on size of meter being installed.

(B) Barrel-lock, item # 30-00151 should be allocated when assembling the entire meter set.

2" BY-PASS ASSEMBLY - BOXED			
	30-36002	1	Assembly, 2" By-pass, boxed
INDIVIDUAL MATERIALS			
REF	ITEM NO.	QTY	DESCRIPTION
(1)	30-45402	* As Req'd	Tube, Copper, Type K, 2" x 20'
(2)	30-28472	2	Elbow, 90°, 2" CTS both ends
(3)	30-31586	2	Nipple, Brass, 2" x 2-1/2"
(4)	30-26887	4	Coupling, Cu., 2" CTS x 2" MIP
(5)	30-70624	1	Valve, 2", Ball, Straight, 300 PSIG, FIP x FIP
(6)	30-21147	1	Bushing, Brass, 1/4" FIP x 1/2" MIP
(7)	30-33449	1	Tee, Brass, 2" x 2" x 1/2" threaded end
(8)	30-70116	1	Valve, Needle, Brass 1/4" MIP x 1/4" MIP
(10)	30-00151	* 1	Barrel-lock, Hardened steel, with end cap
* Not included in boxed assembly for 2" by-pass			

Manager, System Integrity & Customer Projects

D. K. Wood

Date: *10/25/02*

Manager, Water T&D Resource Center

B. M. Leach

Date: *10/28/02*