



DIMENSION	VALVE SIZE								
	2"	4"	6"	8"	10"	12"	14"	16"	18"
A	9.25	13.91	17.12	20.47	24.06	27.59	33.25	36.75	39.62
B	10.22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
END TO END - MJ/MJ	8.25	10.00	10.50	11.50	12.50	13.59	20.50	20.88	23.00
LAY LENGTH - MJ/MJ	3.25	5.00	5.50	6.50	7.50	8.50	13.50	13.88	16.00
END TO END - FL/FL (CLASS 125)	7.00	9.00	10.50	11.50	13.00	14.00	15.00	16.00	17.00
END TO END - FL/FL (CLASS 250)	N/A	12.00	15.88	16.50	18.00	19.75	18.50	21.00	22.00
END TO END - TY/TY	N/A	13.00	15.88	17.50	18.75	19.75	N/A	N/A	N/A
END TO END - FL/MJ (CLASS 125)	N/A	9.50	10.50	12.38	13.62	14.38	17.75	18.44	20.00
END TO END - FL/TY (CLASS 125)	N/A	11.00	13.19	14.50	15.88	16.88	N/A	N/A	N/A
END TO END - PVC/PVC	10.75	13.00	15.88	17.50	N/A	N/A	N/A	N/A	N/A
END TO END - THREADED	6.25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HANDWHEEL DIAMETER	8.06	10.00	12.00	14.00	15.50	15.50	20.00	20.00	20.00
NO. OF TURNS TO OPEN	9	14	20	26	32	38	44	50	56

NOTES:

1. VERTICAL GATE VALVE ASSEMBLY SHOULD BE FULL BODY DUCTILE IRON.
2. GATE VALVE SHALL BE CONSTRUCTED OF DUCTILE IRON AND SHALL BE FULLY ENCAPSULATED WITH SBR OR EPDM RUBBER.
3. VALVE BODY AND VALVE HAND WHEEL SHALL BE MADE OF DUCTILE IRON.
4. VALVE STEM SHALL BE MADE OF BRONZE IN ACCORDANCE WITH AWWA C509\C515.
5. GATE VALVES SHALL BE NON-RISING STEM TYPE WITH RESILIENT SEATED GATE VALVE UNLESS OTHERWISE SPECIFIED. VALVES SHALL OPEN LEFT, BLACK NUT, IF INSTALLED SOUTH OF GORDON HWY AND OPEN RIGHT, RED NUT, IF INSTALLED NORTH OF GORDON HWY.
6. GATE VALVES SHALL HAVE IDENTIFYING MARK OF THE MANUFACTURER, YEAR OF MANUFACTURE AND PRESSURE RATING CAST ON THE VALVE BODY.
7. SEE VALVE BOX INSTALLATION DETAIL 1.15.

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

APPROVED JAN. 2021

REVISED: JANUARY 2021

VERTICAL GATE VALVE ASSEMBLY

AUD DETAIL 1.3

**AUGUSTA UTILITIES DEPARTMENT
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